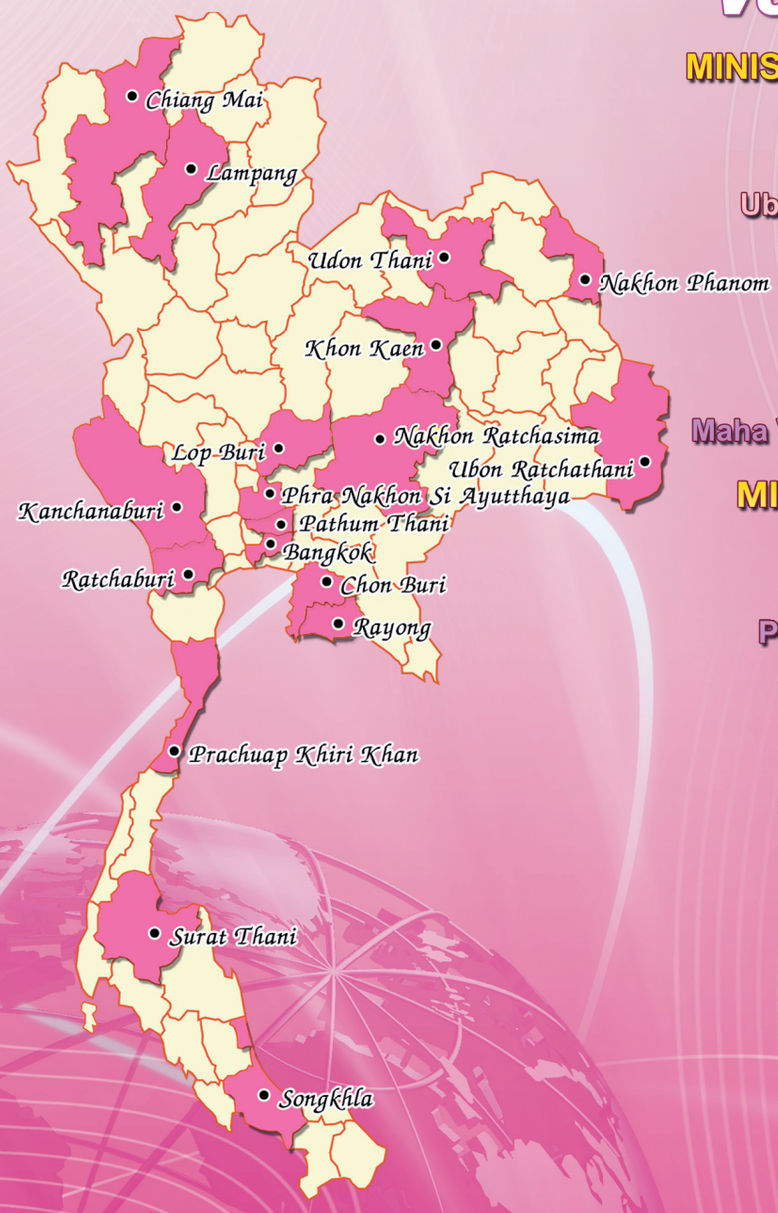
Cancer in Thailand

Volume VI, 2004-2006



MINISTRY OF PUBLIC HEALTH

National Cancer Institute
Lampang Cancer Center
Ubon Rachathani Cancer Center
Udon Thani Cancer Center
Lop Buri Cancer Center
Chon Buri Cancer Center
Surat Thani Cancer Center
Maha Vajiralongkorn Cancer Center

MINISTRY OF EDUCATION

Chiang Mai University
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Prince of Songkhla University

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Foreword

It is our great pleasure to bring to your attention Cancer in Thailand 2004-2006 Vol VI, despite publication somewhat later than desired and planned. At present, there are 18 provinces in the country with population-based cancer registries and data from 16 of these were included in this volume. From the first volume of cancer in Thailand 1998-1991, the extent of coverage both in terms of geography and population has steadily increased over time, allowing more accurate estimates of the national cancer burden. However, the quality of the data as well as the timeliness of publication still need to be improved. Reliable data are important particularly in view of our ongoing National Cancer Control Programme activities which need monitoring and detailed evaluation.

On behalf of the National Cancer Institute, and the editors, I would like to thank our collaborators for their help in providing the data presented in this volume. I would also like to express my gratitude to the devoted cancer registry staff in all the cancer centers for the immense amount of work that has been done in preparing the statistics and graphics for this volume.

I hope that the data and information in this book will be very useful for all those interested in cancer and cancer research as well as for those involved in the strategic planning of policies for cancer control in Thailand.



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On the behalf of the National Cancer Institute and the working committee, I would like to acknowledge the institute, hospitals, universities and all of the persons who are involved in this study for the completion of this monograph.



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1. Chiang Mai University Hospital
2. Nakon Ping Hospital
3. Chiang Mai Army Hospital
4. Chiang Mai Police Hospital
5. Chiang Mai Municipal Hospital
6. McCormick Hospital
7. Lanna Hospital
8. Chiang Mai Ram Hospital
9. Roum-Paeth Hospital
10. Maccane Hospital
11. Central Chiangmai Memorial Hospital
12. Chiang Mai klaimor hospital
13. Changpeuk Hospital
14. Siamrad Chiang Mai Hospital
15. Theppunya Hospital
16. Rajavej Chiangmai Hospital
17. Chom Thong Hospital
18. Mae Chaem Hospital
19. Chiang Dao Hospital
20. Doi Saket Hospital
21. Mae Taeng Hospital
22. Mae Rim Hospital
23. Samoeng Hospital
24. Fang Hospital
25. Mae Ai Hospital
26. Phrao Hospital
27. San Pa Tong Hospital
28. San Kamphaeng Hospital
29. San Sai Hospital
30. Hang Dong Hospital
31. Hot Hospital
32. Doi Tao Hospital
33. Omkoi Hospital
34. Saraphi Hospital
35. Wiang Haeng Hospital
36. Chai Prakan Hospital
37. Mae Wang Hospital
38. King amphur Mae On Hospital
39. King amphur Doi Law Hospital
40. Public Health Centers
41. Provincial Chief Medical Officer's Office

LAMPANG

1. Lampang Provincial Hospital
2. Provincial Public Health Service of Lampang
3. Private Hospitals in Lampang
    - 3.1. Khaelang-Ram Hospital
    - 3.2. Vansanwood Hospital
4. Surasakmontri Military Hospital
5. Community Hospitals
    - 5.1. Koh Kha Hospital
    - 5.2. Ngao Hospital
    - 5.3. Chae Hom Hospital
    - 5.4. Theon Hospital
    - 5.5. Mae Tha Hospital
    - 5.6. Mae Prik Hospital
    - 5.7. Mae Moh Hospital
    - 5.8. Wang Nua Hospital
    - 5.9. Sop Prap Hospital
    - 5.10. Soem Ngam Hospital
    - 5.11. Hang Chat Hospital
    - 5.12. Muang Pan Hospital

UDON THANI

1. Udon Thani Cancer Center
2. Udon Thani Provincial Health Office
3. Udon Thani Province Hospital
4. Kai Prajuksilapakom Hospital
5. Udon Thani analytical Population Center
6. Ban Dung Hospital
7. Ban Phue Hospital
8. Chai Wan Hospital
9. Kumphawapi Hospital
10. Kut Chap Hospital
11. Na Yung Hospital
12. Nam Som Hospital
13. Non Sa-at Hospital
14. Nong Han Hospital
15. Nong Saeng Hospital
16. Nong Wua So Hospital
17. Phen Hospital
18. Phibun Rak Hospital
19. Sang Khom Hospital
20. Si That Hospital
21. Thung Fon Hospital
22. Wang Sam Mo Hospital

NAKHON PHANOM

1. Nakhon Phanom Provincial Health Office
2. Nakhon Phanom Hospital
3. Ban Phaeng Hospital
4. Bangkok Cancer Registry
5. Khon Kaen Cancer Registry
6. Mukdahan Hospital
7. Na Kae Hospital
8. Na Thom Hospital
9. Na Wa Hospital
10. National Cancer Institute
11. Phon Sawan Hospital
12. Pla Pak Hospital
13. Renu Nakhon Hospital
14. Sakhon Nakhon Hospital
15. Si Songkhram Hospital
16. Tha Uthen Hospital
17. That Phanom Hospital
18. Ubon Ratchathani Cancer Registry
19. Udon Thani Cancer Registry
20. Udon Thani Hospital
21. Wang Yang Hospital

KHON KAEN

1. Srinagarind Hospital, Faculty of Medicine Khon Kaen University
2. Khon Kaen Regional Hospital
3. Sripatcharin Army Hospital
4. Rachapruk Hospital
5. Khon Kaen Ram Hospital
6. All community Hospital in Khon Kaen Province,
   24 community Hospitals consist of
   - 6.1 Ban Fang Hospital
   - 6.2 Ban Phai Hospital
   - 6.3 Ban Haet Hospital
   - 6.4 Non Sila Hospital
   - 6.5 Chonnabot Hospital
   - 6.6 Chum Phae Hospital
   - 6.7 Khao Suan Kwang Hospital
   - 6.8 Kranuan Hospital
   - 6.9 Sam Sung Hospital
   - 6.10 Mancha Khiri Hospital
   - 6.11 Khok Pho Chai Hospital
   - 6.12 Nam Phong Hospital
   - 6.13 Nong Ruea Hospital
   - 6.14 Nong Song Hong Hospital
   - 6.15 Phon Hospital

6.16 Phra Yuen Hospital
6.17 Phu Pha Man Hospital
6.18 Phu Wiang Hospital
6.19 Nong Na Kham Hospital
6.20 Pueai Noi Hospital
6.21 Si Chomphu Hospital
6.22 Ubolratana Hospital
6.23 Waeng Noi Hospital
6.24 Waeng Yai Hospital

UBON RATCHATHANI

1. Ubonratchathani Cancer center
2. Ubonratchathani Public Health
3. Sap Pa Sitthi Prasong Hospital
4. Khongchiam Hospital
5. Sirinthorn Hospital
6. Warin Chamrap Hospital
7. Samrong Hospital
8. TanSum Hospital
9. Phibunmangsahan Hospital
10. Somdet Phra Yuppharat Hospital
11. Thung Si Udom Hospital
12. Nam Yuen Hospital
13. Buntharik Hospital
14. Khai Sap Sitthi Prasong Hospital
15. Na Chaluai Hospital
16. Khuang Nai Hospital
17. Muang Samsip Hospital
18. Trakan Phuetphon Hospital
19. Pho Sai Hospital
20. Si Mueang Mai Hospital
21. Don Mot Daeng Hospital
22. Kut Khaopun Hospital
23. Khemarat Hospital

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1. Maharat Nakhon Ratchasima Hospital
2. Kaengsanamnang Hospital
3. Mueangyang Hospital
4. Khamthaleso Hospital
5. Khamsakasang Hospital
6. Khong Hospital
7. Khonburi Hospital
8. Chakkarat Hospital
9. Mueangyang Hospital

10. Chum Phuang Hospital
11. Chokchai Hospital
12. Dankhuntod Hospital
13. Nondaeng Hospital
14. Nonthai Hospital
15. Nonsung Hospital
16. Buayai Hospital
17. Banlueam Hospital
18. Prathai Hospital
19. Pakthongchai Hospital
20. Pakchongnana Hospital
21. Pratongkom Hospital
22. Phimai Hospital
23. Lamthamenchai Hospital
24. Wangnamkhiao Hospital
25. Sikhiu Hospital
26. Sungnoen Hospital
27. Soengsang Hospital
28. Nongbunmak Hospital
29. Huaitha laeng Hospital
30. Korat Memorial Hospital
31. Saint Mary's Hospital
32. Bangkok Ratchasima Hospital

LOP BURI

1. King Narai Hospital
2. King narai Cytotechnician
3. Anandamahidol Hospital
4. Phatthana Nikhom Hospital
5. Khok Samrong Hospital
6. Tha Wung Hospital
7. Ban Mi Hospital

KANCHANABURI

1. Phahonpolpayuhasaena Hospital
2. Makarak Hospital
3. Thong Pha Phum Hospital
4. Dan Makham Tia Hospital
5. Thamuang Hospital
6. Sai Yok Hospital
7. Bo Phloi Hospital
8. Sathan Phrabarami Hospital
9. Lao Khwan Hospital
10. Suksirisisawat Hospital
11. Somdejphrapiyamaharajrommaneeyaket Hospital

12. Sangkhlaburi Hospital
13. Huaikrachao Hospital
14. Fort Surasi Hospital
15. Kanchanaburi Memoria Hospital
16. Thanakan Hospital
17. Tharuea Hospital

PHRA NAKHON SI AYUTTHAYA

1. Phra Nakhon Si Ayutthaya Hospital
2. Sena Hospital
3. Tharuea Hospital
4. Bang say Hospital
5. Bang Sai Hospital
6. Bang Ban Hospital
7. Bang Pahan Hospital
8. Bang Pa In Hospital
9. Ban Phraek Hospital
10. Phak Hai Hospital
11. Phachi Hospital
12. Maharat Hospital
13. Lat Bua Luang Hospital
14. Wangnoi Hospital
15. Somdet Phra Sangkharat Hospital
16. U Thai Hospital
17. Navanakorn Hospital
18. Ratthanee Hospital
19. Supamitrsena Hospital

BANGKOK

1. Aekamarin General Hospital (Bangkae)
2. Ananta Pattana Hospital
3. Bamrasnaradura I.D. Hospital
4. Bangkok Adventist Hospital
5. Bangkok Cancer Center Hospital
6. Bangkok Chest Hospital
7. Bangkok General Hospital
8. Bangkok Metropolitan Administration General Hospital
9. Bangkok Nursing Home Hospital
10. Bangkok Pathology-Laboratory
11. Bangmod I Hospital
12. Bangmod II Hospital
13. Bangmod III Hospital
14. Bangna I Hospital
15. Bangna II Hospital

16. Bangpai Hospital
17. Bangpakok I Hospital
18. Bangpakok II Hospital
19. Bangpakok III Hospital
20. Bangpo General Hospital
21. Bhumibol Adulyadej Hospital
22. Bumrungrad Hospital
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37. Institute of Pathology
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39. Jongjin Foundation Hospital
40. Karuna Pitak Hospital
41. Kasemrad Hospital Bang Khae
42. Kasemrad Hospital Prachachuen
43. King Chulalongkorn Memorial Hospital
44. Klongtun Hospital
45. Kluaynamthai Hospital
46. Krungdhon I Hospital
47. Krungdhon II Hospital
48. Ladkrabang Hospital
49. Ladprao General Hospital
50. Lerdsin Hospital
51. Mahachai II Hospital
52. Mahaesuk Hospital
53. Mayo Hospital
54. Metropolitan Electricity Authority Hospital
55. Mitraparp Wong Wian Yai Hospital
56. Mettapracharak Hospital
57. Mongkutwattana Hospital
58. Nakorn Thon Hospital
59. National Cancer Institute

60. Navaminthra Hospital
61. Nopparut Ratchatani Hospital
62. Pakkred Vejchakarn General Hospital
63. Paolo Memorial Hospital
64. Petcharavej Hospital
65. Piyavate Hospital Public company Limited
66. Phaya Thai I Hospital
67. Phaya Thai II Hospital
68. Phaya Thai III Hospital
69. Phra Monkutklao Hospital
70. Phranungklao Hospital
71. Police General Hospital
72. Praram 2 Hospital
73. Prasat Neurological Institute
74. Priest's Hospital
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76. Prommitr Hospital
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79. Rajburana Hospital
80. Rama 9 Hospital
81. Ramasuksawat Hospital
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83. Ramkhamhaeng Hospital
84. Rattarin Hospital
85. Registration Processing Center
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87. Saint Louis Hospital
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89. Samitivej Hospital
90. Samitivej Srinakarin Hospital
91. Samrong Hospital
92. Siam Hospital
93. Sikarin Hospital
94. Sin Phaet Hospital
95. Somdej Prapinklaow Hospital
96. Srisiam Hospital
97. Srivichai I Hospital
98. Srivichai II Hospital
99. Srivichai III Hospital
100. St. Carlos Group of Health Services
101. Sukumvit Hospital
102. Surgical Pathology – Cytology Service
103. Taksin Hospital

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108. Theptarin Hospital
109. Thon Buri I Hospital
110. Thon Buri II Hospital
111. Thain Fah Hospital
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113. Vejthani Hospital
114. Vejsawad Hospital
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119. Vichanyud Hospital
120. Yanhee General Hospital
121. Yaowarak Hospital
122. Yosae Hospital

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1. Ratchaburi Hospital
2. Damnoensaduak Hospital
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13. Kai Prajuksilapakom Hospital
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1. Thammasat university hospital
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9. Khlong Luang Hospital
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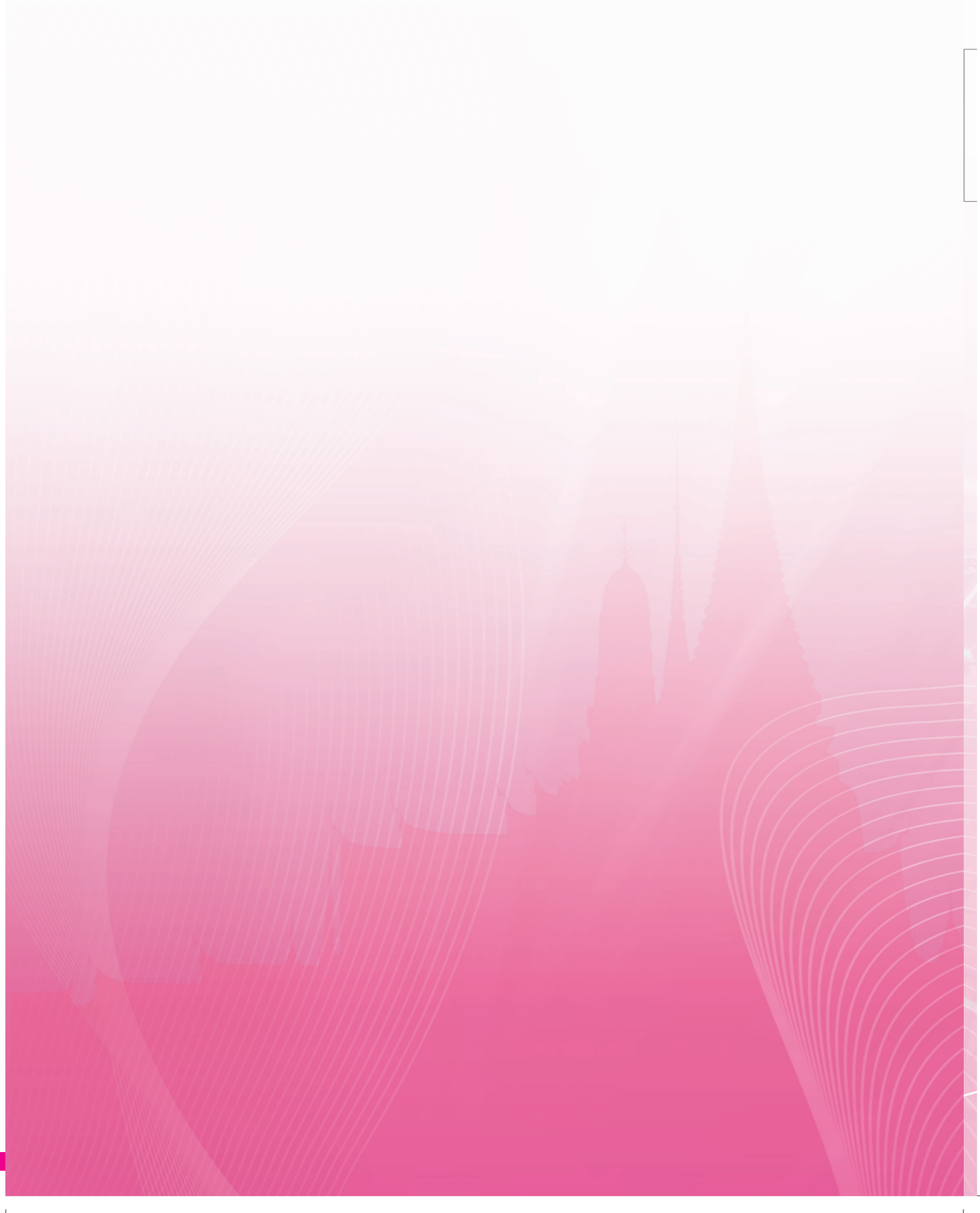
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Chapter I

Registry Procedure and Statistical Methods



Registry Procedure and Statistical Methods

Pattarawin Attasara, M.D.
Hutcha Sriplung, M.D.

The methods specific to each registry are described in the appendix. Briefly, data on cancer cases are collected from hospitals, laboratories and death certificates. The data collected for each cancer patient consists of registry number, name, residential address, date of birth, age, sex, date and method of diagnosis, topographic site, histology and extent of cancer, and vital status of cancer patient. The data collection in details may differ from one to another registry.

Copies of death certificates are collected from the Chief Medical Officer's Offices. All certificates of death are reviewed and matched with the incident case records of the registries. The cases with no matching record are tracked back to the data sources for relevant information. Cases unable to be traced are registered as diagnosed by death certificate only.

The primary site and histology of cancer are coded according to the ICD-O 3rd edition (Fritz *et al*., 2000). Second and subsequent primary cancers are also registered. A new registration number is given for each new primary and subsequent cancer as indicated by the 3-digit code as specified in the ICD-O manual.

Cases of carcinoma in situ are registered but not included in the calculation of incidence rates. Those carcinoma in situ cases later become invasive cancers are registered as malignant and included in the calculation of incidence rates. The most valid basis of diagnosis is recorded for all registered cases.

All registered cases are followed up by passive and active procedures. Registered cases are matched with death certificates. For the remaining cases, follow up in formation was obtained by scrutiny of hospital records, postal enquiries, and through the network of health care system.

Population denominators

The population denominator used for the calculation of rates were estimated from 1990 and 2000 censuses published by the National Statistical Office (Nation Statistical Office, 1994; National Statistical Office, 2002) which provided annual estimate by age group and sex for each province in Thailand. Inter-census estimates of the population in 2005 by age group and sex were calculated with the assumption of an exponential change of the population between the two censuses.

The annual populations at risk were calculated for the period 2001-2003 in each registry area. They are shown in the section of each particular registry. The populations of Thailand and the four regions in 2002 were estimated based on the two censuses with the procedure described above.

National estimate

The data from the two northern cancer registries of Chiang Mai and Lampang were first pooled by adding together the cases and the person-years at risk from the two registries. The same procedure was done in the northeastern region by adding together cases and person-years at risk from Khon Kaen, Nakhon Phanom, Ubon Ratchatani and Udon Thani. Lop Buri, Kanchanaburi, Phra Nakhon Si Ayutthaya, Ratchaburi, Chonburi, Bangkok, Rayong and Prachuap Khiri khan were representatives of the central region. Songkhla and Surat Thani were the representation of cancer registry in the southern region.

Then the age (five-year age groups) and sex specific rates for the four regions of Thailand excluding Bangkok were calculated. When expected cases for the four regions and the actual cases of Bangkok were combined together, the expected number of cases and estimated ASRs for 2005 by sex and site for the whole Kingdom of Thailand were finally obtained.

Crude incidence rate (CR)

Crude incidence rate is the number of new cancer cases observed during a defined period of population divided by the population at risk in the same period. It is expressed per 100,000 population.

Age-specific incidence rate

Age-specific incidence rate is the incidence rate in a specific age group. The age-specific rates are calculated by dividing the number of cancer cases in each five years age and sex structure of population in the age group multiplied by 100,000. The rates are expressed per 100,000 populations.

$$AR = Ni/Pi \times 100,000$$

Ni = Number of new cancer occurring in the age group

Pi = Population of the age group

Age-standardized incidence rate (ASR)

The age-standardized incidence rate is a summary measure of a rate that a population will have if it has a standard age structure. It is calculated first by estimating the age-specific incidence rates and applying these rates to the standard population. The world standard population is used in this book. It is also expressed per 100,000 populations. Standardization is necessary when comparing several populations that differ with respect to age because it has powerful influence on the risk of cancer.

Cumulative rate

The cumulative rate is the summation of the age-specific rates over each year of age from birth to a defined upper age limit. As age-specific incidence rates are usually computed for five-year age intervals, the cumulative rate is five times the sum of the age-specific rates calculated over the five-year age groups, assuming the age-specific rates are the same for all ages within the five-year age stratum (Bray, 2002).

Quality control was carried out through the following indices:

1. Percentage of morphologically verified cases (%MV): The percentage of cases where diagnosis was based on cytology or histology examination of tissue from primary site or from metastatic site, bone morrow, cytology and peripheral blood for leukemia.
2. Percentage of death certificate only cases (%DCO): The percentage of cases where diagnosis was based on information obtained from a death certificate.

Chapter II

Cancer Incidence in Thailand



Cancer Incidence in Thailand

Pattarawin Attasara, M.D.
Hutcha Sriplung, M.D.

The first population-based cancer registry started in 1986 in Chiang Mai, followed by Khon Kaen in 1988, Songkhla and Bangkok in 1990 and Lampang in 1993. The first volume of Cancer in Thailand was published in 1993 with co-operation of the registries of Chiang Mai, Khon Kaen, Songkhla, the National Cancer Institute (Bangkok), and the International Agency for Research on Cancer (Vatanasapt *et al.,* 1993). The second (Deerasamee *et al.,* 1999) and third (Sriplung *et al*., 2003) volumes were published in series.

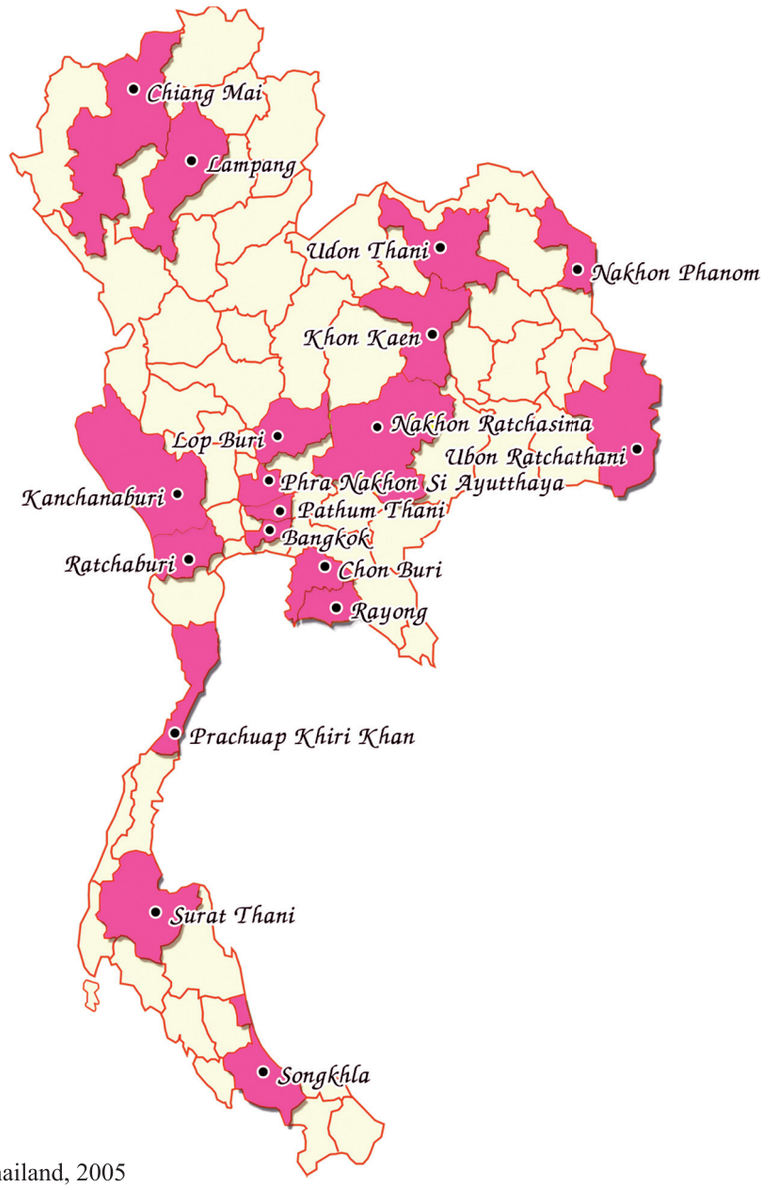
Registration area

Thailand is located in Southeast Asia between latitudes 5:37 N and 20:27 N and between longitudes 97:22 E and 105:37 E, It is bordered to the north by Laos and Burma, to the east by Laos and Cambodia, to the south by the Gulf of Thailand and Malaysia, and to the west by the Andaman Sea and Burma. Its maritime boundaries include Vietnam in the Gulf of Thailand to the southeast and Indonesia and India in the Andaman Sea to the southwest. The total area is 513,155 square kilometers. The climate of the country as a whole is tropical and characterized by monsoons. Thailand is divided into 76 provinces, within four geographical regions: the Northern, Northeastern, Southern and Central. The geographic area covered by the nine population based cancer registries are shown in Table 1 and the estimated population in each province by sex is shown in Table 2.1.1

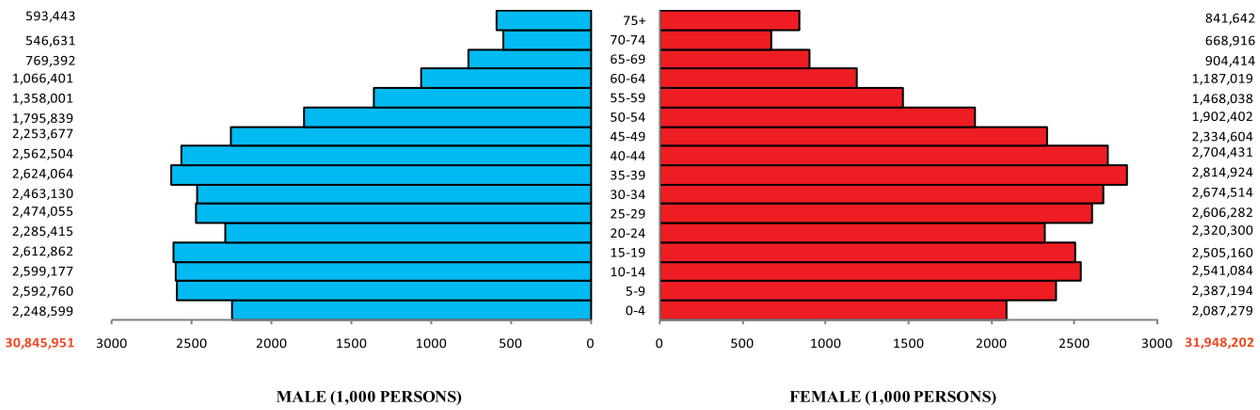
Table 2.1.1 Land area and estimated population in 2005

Provinces	Population Density (person / km^2)	Land area (km^2)	Estimated population Male	Estimated population Female
Chiang Mai	76.25	20,107	749,736	783,471
Lampang	62.78	12,534	389,802	397,079
Udon Thani	133.43	11,730	732,880	832,215
Nakhon Phanom	129.73	5,512	356,128	358,937
Khon Kaen	161.79	10,886	877,137	884,081
Ubon Ratchathani	100.97	15,745	795,128	794,680
Nakhon Ratchasima	127.43	20,493	1,280,642	1,330,947
Lop Buri	120.94	6,200	371,930	377,875
Kanchanabulri	39.73	19,483	383,737	390,386
Phra Nakhon Si Ayutthaya	288.42	2,556	356,245	381,131
Pathum Thani	558.15	1,525	413,635	438,026
Bangkok	4057.96	1,569	3,020,604	3,346,334
Ratchaburi	137.61	5,196	356,128	358,937
Chon Buri	261.14	4,363	568,049	571,299
Rayong	156.69	3,552	280,978	275,601
Prachuap Khiri Khan	72.27	6,368	229,051	231,177
Surat Thani	72.02	12,891	463,441	465,002
Songkhla	179.61	7,394	648,276	679,751
Thailand	**121.63**	**513,155**	**30,845,951**	**31,948,202**

Figure 2.1.1 Thailand regions and area covered by the cancer registries



Population pyramid, Thailand, 2005



The age-standardized incidence rates (ASR) of cancer at all sites ranged from 122.1 (Males) and 103.1 (Females) in Surat Thani to 198.3(Males) in Udon Thani and 175.8 (Females) in Ubon Ratchathani (Table 2.1.2, Figure 2.1.2).

Table 2.1.2 Age-standardized incidence rates (ASR), all sites, 2004-2006

Provinces	Male		Female	
	Cases 2004-2006	ASR 2005	Cases 2004-2006	ASR 2005
Chiang Mai	3,949	156.4	4,467	158.2
Lampang	2,505	171.1	2,517	156.2
Udon Thani	3,836	198.3	3,230	143.2
Nakhon Phanom	1,604	173.6	1,578	140.5
Khon Kaen	3,630	146.6	3,366	113.8
Ubon Ratchathani	4,355	197.1	4,408	175.8
Lop Buri	1,520	123.0	1,581	112.8
Kanchanabulri	1,380	130.4	1,597	126.4
Phra Nakhon Si Ayutthaya	1,603	147.1	1,835	139.1
Bangkok	12,566	147.1	15,138	136.6
Ratchaburi	1,887	150.3	1,829	118.6
Chon Buri	2,684	195.2	3,016	174.9
Rayong	1,250	183.6	1,362	167.2
Prachuap Khiri Khan	869	137.9	925	119.1
Surat Thani	1,563	122.1	1,561	103.1
Songkhla	2,592	139.0	2,339	106.2
Thailand	145,788	158.8	150,768	138.3

Figures 2.1.3, 3.1-3.18 show the 10 leading cancers in Thailand and each registry, in terms of the age-standardized incidence rate.

The detailed results from each of the eighteen registries are shown in the tables of chapter III. The figures for the estimate populations and two tables for each registry: for each sex, the number of cases registered in 2005 (2004-2006) are shown by site with summary rate (Crude rate, cumulative rate, age-standardized rate). The percentages of microscopically verified and death certificate only cases are the measures of data quality.

Figure 2.1.2 Age-standardized incidence rates (ASR), all sites, 2004-2006

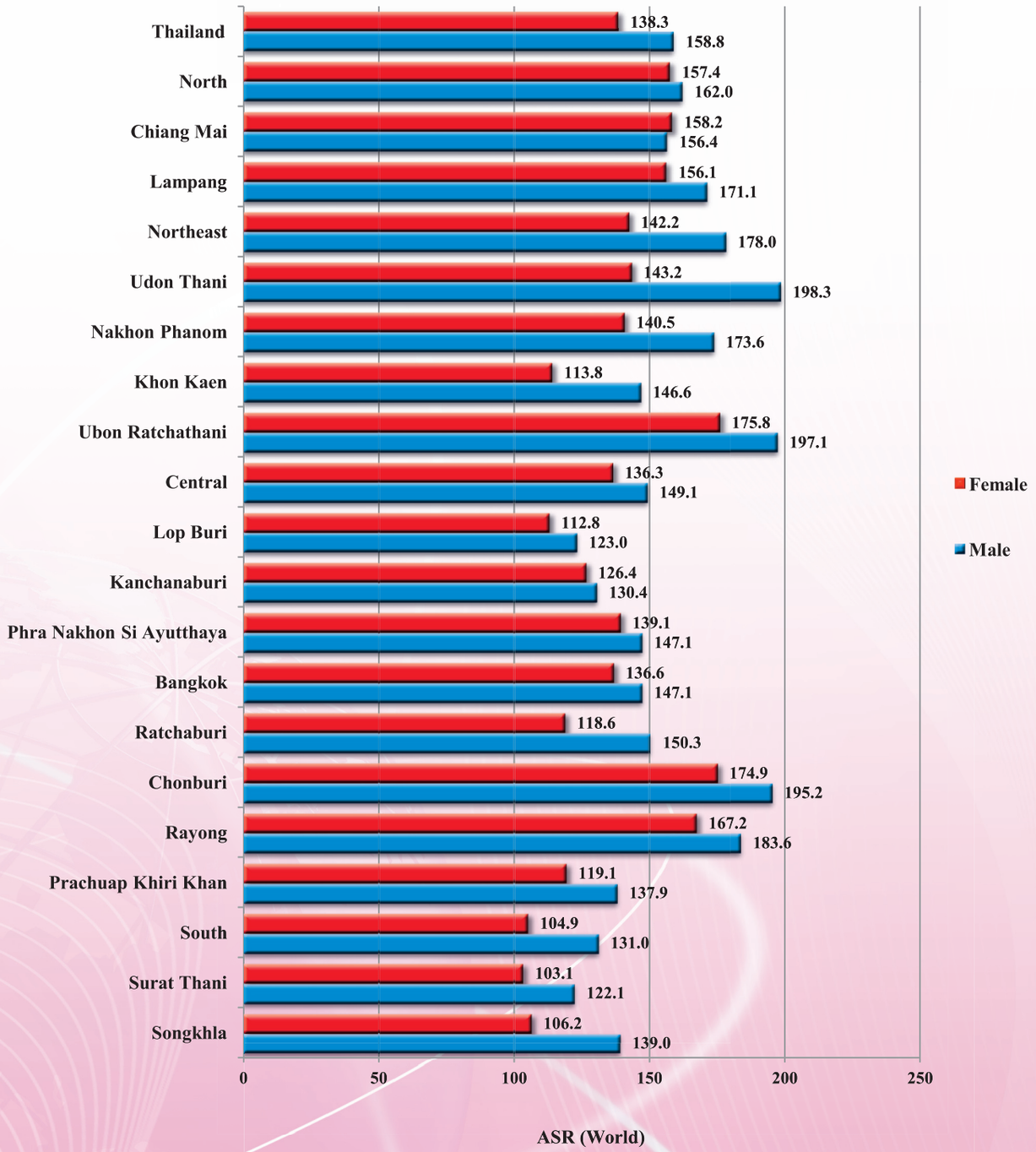
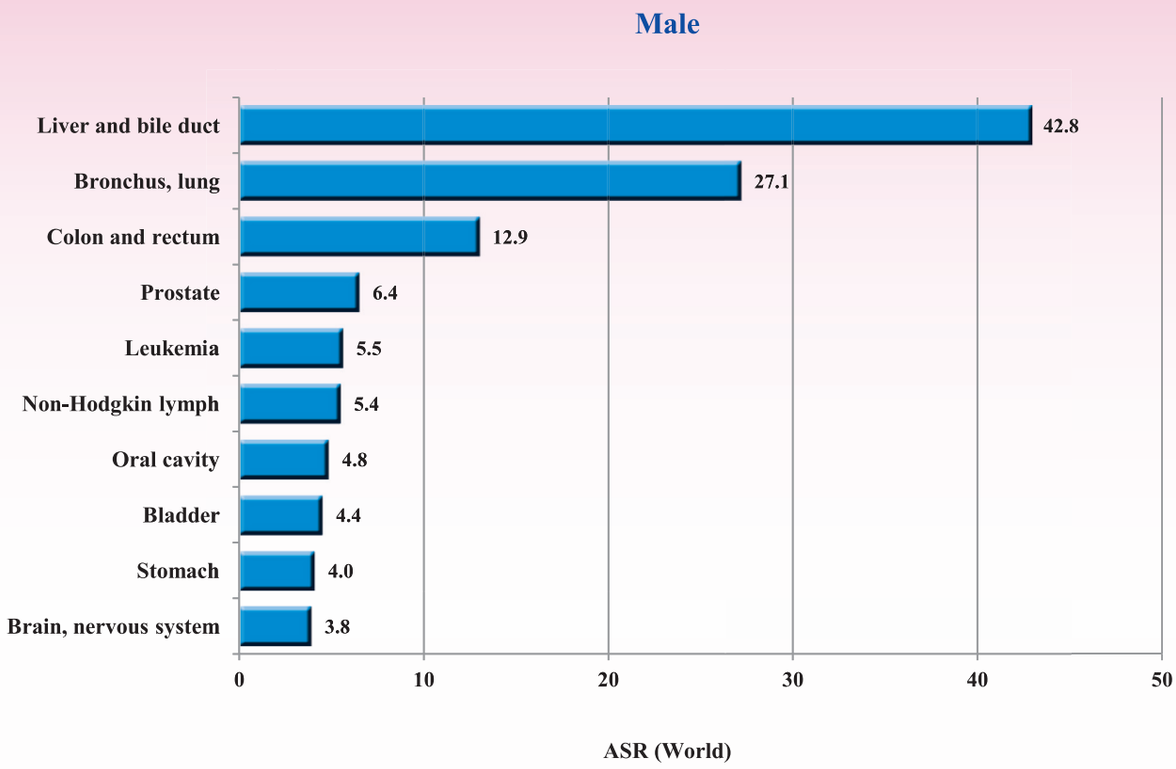


Figure 2.1.3 Leading cancer in Thailand (estimated), 2004-2006



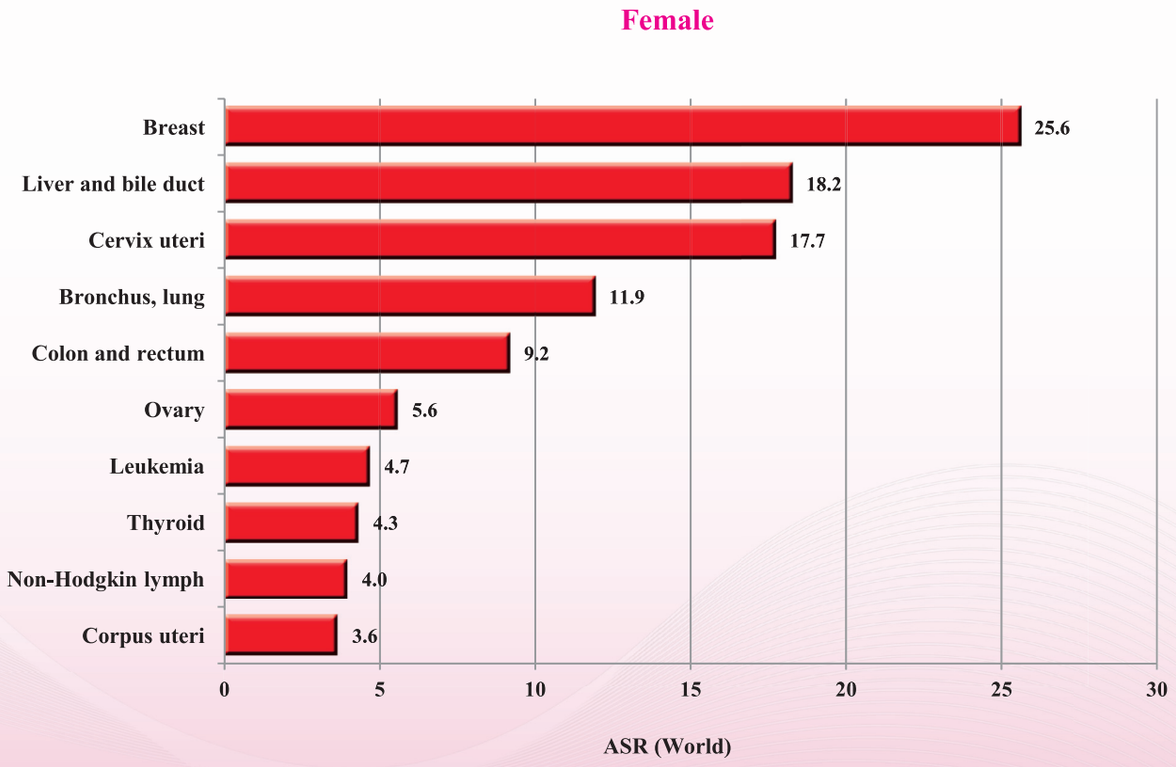


Table 3.1.1 Thailand (2004-2006), Annual Incidence per 100000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.4	1.0	0.6	2.5	0.1	0.1	C00
Tongue	1,955	0.1	0.0	0.0	0.1	0.0	0.1	0.2	1.0	1.9	3.5	4.9	4.3	8.4	9.0	12.0	18.9	2.1	2.1	C01-02
Mouth	1,921	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.5	1.2	1.7	4.9	5.1	5.9	12.5	15.6	24.1	2.1	2.1	C03-06
Salivary glands	421	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.4	0.8	0.7	1.1	1.9	1.6	3.3	2.7	0.5	0.5	C07-08
Tonsil	830	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.3	0.8	2.1	2.0	2.1	1.9	4.0	4.9	7.5	0.9	0.9	C09
Other oropharynx	230	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.3	0.3	0.9	1.2	2.6	3.0	0.2	0.3	C10
Nasopharynx	3,228	0.1	0.0	0.4	0.4	0.7	0.8	1.4	2.8	3.9	7.0	10.1	11.9	10.2	9.4	10.6	11.9	3.5	3.2	C11
Hypopharynx	1,128	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.4	2.7	4.1	3.8	6.3	8.3	12.4	1.2	1.2	C12-13
Pharynx unspecified	228	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.9	0.7	0.9	1.2	3.5	0.2	0.2	C14
Esophagus	2,885	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.1	3.3	6.9	10.4	11.5	22.1	23.3	25.9	3.1	3.2	C15
Stomach	3,720	0.0	0.0	0.0	0.0	0.1	0.5	0.8	1.1	3.0	4.7	8.0	11.7	12.4	23.9	29.8	35.2	4.0	4.0	C16
Small intestine	246	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.3	0.5	1.3	1.2	1.8	2.5	0.3	0.3	C17
Colon	7,391	0.1	0.0	0.1	0.2	0.7	1.0	1.6	4.0	4.4	7.6	12.5	20.9	28.0	41.2	69.0	81.6	8.0	8.1	C18
Rectum	4,320	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.6	3.2	5.3	8.2	11.1	19.4	28.7	33.0	42.9	4.7	4.7	C19-20
Anus	138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.3	0.2	1.0	1.2	1.2	0.1	0.1	C21
Liver and bile duct	39,884	0.8	0.4	0.2	0.5	0.7	2.6	6.0	16.5	31.1	56.4	99.8	144.9	183.5	242.5	263.7	252.5	43.1	42.8	C22,C24
Gallbladder	989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.9	1.9	3.1	4.1	7.0	8.7	12.2	1.1	1.1	C23
Pancreas	1,716	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.5	1.5	2.2	3.4	5.6	6.8	11.2	11.6	16.7	1.9	1.9	C25
Nose, sinuses etc.	608	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.4	0.6	1.4	1.1	1.2	1.9	2.1	2.2	4.8	0.7	0.6	C30-31
Larynx	2,406	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.5	1.0	2.2	4.5	7.1	11.0	16.0	24.0	26.9	2.6	2.7	C32
Trachea, Bronchus, and lung	24,299	0.3	0.1	0.0	0.2	0.9	1.6	4.0	6.5	10.7	21.9	43.2	67.7	100.9	189.9	238.2	244.7	26.3	27.1	C33-34
Other thoracic organs	390	0.0	0.0	0.2	0.5	0.4	0.4	0.3	0.3	0.2	0.5	0.7	1.0	1.2	0.9	1.5	1.2	0.4	0.4	C37-38
Bone	1,048	0.0	0.3	0.7	1.7	1.1	0.9	0.3	0.4	0.8	1.1	2.0	1.8	3.1	3.9	4.8	3.8	1.1	1.1	C40-C41
Melanoma of skin	460	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.6	0.3	1.1	1.2	1.6	2.1	3.0	5.6	0.5	0.5	C43
Other skin	3,468	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.3	2.1	2.8	5.8	8.2	13.1	16.6	27.3	53.6	3.7	3.8	C44
Mesothelioma	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	C45
Kaposi sarcoma	29	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	C46
Connective tissue	945	0.3	0.2	0.2	0.6	0.5	0.6	0.4	0.7	1.1	1.4	1.7	2.5	2.1	3.3	4.4	5.6	1.0	1.0	C47,C49
Breast	357	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.6	0.4	0.9	1.3	1.3	1.1	2.4	1.7	0.4	0.4	C50
Penis	1,248	0.0	0.0	0.0	0.1	0.2	0.4	0.7	0.9	0.9	1.4	2.8	3.1	4.4	5.8	8.4	12.5	1.3	1.3	C60
Prostate	5,502	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.8	3.3	7.4	18.3	37.4	75.1	126.1	5.9	6.4	C61
Testis	469	0.4	0.1	0.3	0.3	0.6	0.6	0.8	0.8	0.5	0.4	0.4	0.9	0.5	0.6	0.6	1.3	0.5	0.5	C62
Other male genital organs	42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.2	0.1	0.6	0.0	0.0	C63
Kidney	1,290	0.9	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.8	2.3	3.1	4.0	4.1	7.3	8.8	9.6	1.4	1.4	C64
Renal pelvis	236	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.4	0.8	0.9	1.7	2.4	2.0	0.3	0.3	C65
Ureter	41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.3	0.7	0.0	0.0	C66
Bladder	3,946	0.1	0.1	0.1	0.0	0.2	0.1	0.3	0.8	1.1	3.5	6.0	8.1	13.0	26.1	41.4	64.5	4.3	4.4	C67
Other urinay organs	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.0	0.0	C68
Eye	248	1.0	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.4	0.3	0.8	0.5	0.0	0.5	1.4	0.3	0.3	C69
Brain, nervous system	3,558	1.4	1.8	1.9	1.7	1.1	1.6	2.2	3.0	3.1	4.3	5.9	7.1	10.1	14.9	20.7	17.4	3.8	3.8	C70-72
Thyroid	1,774	0.0	0.0	0.2	0.3	0.5	0.9	0.7	1.6	1.9	2.1	3.7	4.7	5.4	8.2	10.3	14.1	1.9	1.9	C73
Adrenal gland	100	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.7	0.2	0.5	0.1	0.1	C74
Other endocrine	117	0.1	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.3	0.1	0.1	C75
Hodgkin disease	500	0.2	0.3	0.5	0.5	0.5	0.6	0.4	0.4	0.6	0.5	0.9	0.4	1.0	1.2	1.3	1.4	0.5	0.5	C81
Non-Hodgkin lymphoma	5,125	0.8	0.8	0.7	1.3	1.3	1.9	3.0	4.0	5.1	6.3	10.8	12.4	15.4	23.7	30.7	35.4	5.5	5.4	C82-85,C96
Immunoproliferative diseases	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	724	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.4	0.5	1.3	1.2	2.8	3.0	5.3	4.6	4.6	0.8	0.8	C90
Lymphoid leukemia	1,624	3.5	3.3	2.5	1.8	0.6	0.5	0.6	0.7	0.9	0.7	1.3	2.2	2.7	3.5	4.4	6.1	1.8	2.0	C91
Myeloid leukemia	1,952	0.8	0.5	0.9	0.9	1.0	1.6	1.6	2.0	1.8	1.8	2.7	3.5	5.8	6.9	9.3	12.0	2.1	2.1	C92-94
Leukemia unspecified	1,319	1.6	0.7	0.6	0.7	0.5	0.9	0.4	0.9	0.7	1.7	1.4	3.2	2.1	5.5	8.1	9.0	1.4	1.5	C95
Other and unspecified	10,571	0.4	0.3	0.2	0.6	1.1	1.7	2.9	4.6	7.3	13.5	19.7	31.5	43.2	67.2	81.3	89.6	11.4	11.5	O&U
All sites	**145,788**	**13.7**	**10.1**	**10.5**	**13.3**	**14.4**	**21.6**	**32.6**	**61.2**	**97.6**	**172.4**	**292.9**	**424.2**	**568.4**	**877.7**	**1118.6**	**1314.8**	**157.5**	**158.8**	

Table 3.1.2 Thailand (2004-2006), Annual Incidence per 100000 by Age Group (years) –Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	910	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.5	1.7	2.8	5.2	9.5	13	0.9	0.9	C00
Tongue	809	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.9	1.4	1.5	2.4	2.5	3.0	3.3	5	0.8	0.7	C01-02
Mouth	1,763	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.5	0.5	1.0	1.7	3.5	5.3	9.6	12.8	23	1.8	1.6	C03-06
Salivary glands	425	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.6	0.5	0.6	1.0	0.8	1.0	1.3	0.9	2	0.4	0.4	C07-08
Tonsil	233	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.5	0.6	0.8	2.2	2	0.2	0.2	C09
Other oropharynx	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0	0.0	0.0	C10
Nasopharynx	1,290	0.0	0.0	0.1	0.2	0.5	0.6	0.8	1.2	1.9	2.5	2.7	3.2	2.9	3.8	5.2	4	1.3	1.2	C11
Hypopharynx	169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.3	1.1	1.5	1.4	1	0.2	0.2	C12-13
Pharynx unspecified	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.3	0.1	0	0.1	0.0	C14
Esophagus	811	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.3	0.6	1.0	1.8	3.4	4.0	6.7	8	0.8	0.8	C15
Stomach	2,757	0.0	0.0	0.0	0.1	0.2	0.5	1.2	1.7	2.9	3.5	6.0	6.6	7.8	12.0	14.2	18	2.9	2.5	C16
Small intestine	257	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.4	0.7	1.2	1.0	1.5	1	0.3	0.2	C17
Colon	6,254	0.0	0.0	0.0	0.3	0.2	0.8	1.9	2.1	3.7	8.0	11.6	16.4	21.4	31.2	36.4	50	6.5	5.8	C18
Rectum	3,430	0.0	0.0	0.0	0.0	0.3	0.5	0.7	1.6	2.4	4.5	6.1	10.2	11.9	15.4	25.4	20	3.6	3.2	C19-20
Anus	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.8	0.8	0.8	1.1	2	0.2	0.2	C21
Liver and bile duct	19,239	0.3	0.1	0.0	0.2	0.3	1.5	2.6	4.8	10.2	18.4	38.8	59.6	83.0	114.0	122.8	118	20.1	18.2	C22,C24
Gallbladder	1,229	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5	1.2	3.0	5.1	7.8	9.8	13	1.3	1.2	C23
Pancreas	1,629	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.3	1.1	1.7	2.0	4.1	5.3	9.3	13.8	14	1.7	1.5	C25
Nose, sinuses etc.	412	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.3	0.5	0.7	0.8	0.9	1.6	1.4	2	0.4	0.4	C30-31
Larynx	382	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.3	0.3	0.4	1.1	1.2	2.1	3.4	3	0.4	0.4	C32
Trachea, Bronchus, and lung	12,658	0.0	0.0	0.1	0.2	0.6	1.8	2.7	3.7	6.6	10.7	21.6	35.4	47.0	73.8	90.6	93	13.2	11.9	C33-34
Other thoracic organs	276	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.4	0.6	0.5	1.0	0.8	1.2	2	0.3	0.3	C37-38
Bone	910	0.0	0.5	1.0	1.2	0.5	0.5	0.4	0.5	0.5	0.9	0.6	2.0	2.0	2.8	4.6	3	0.9	0.9	C40-C41
Melanoma of skin	454	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.2	0.3	0.6	1.0	1.1	1.2	2.0	2.4	3	0.5	0.4	C43
Other skin	3,505	0.0	0.2	0.1	0.1	0.2	0.5	0.6	1.0	1.1	2.1	3.6	6.7	9.4	18.0	25.0	49	3.7	3.2	C44
Mesothelioma	17	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0	0.0	0.0	C45
Kaposi sarcoma	9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	C46
Connective tissue	900	0.5	0.5	0.4	0.3	0.7	0.6	0.5	0.9	0.7	1.5	1.7	2.1	1.9	1.4	1.9	3	0.9	0.9	C47,C49
Breast	29,167	0.1	0.1	0.1	0.2	1.0	3.7	12.9	28.5	53.2	78.6	85.8	83.9	69.1	64.5	67.9	53	30.4	25.6	C50
Vulva	432	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.4	0.6	0.5	0.9	1.4	2.7	2.7	3	0.5	0.4	C51
Vagina	254	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.7	1.1	1.0	0.9	2	0.3	0.2	C52
Cervix uteri	20,216	0.1	0.0	0.0	0.1	0.6	2.9	10.2	23.3	36.4	50.0	54.1	51.1	49.2	50.9	51.6	47	21.1	17.7	C53
Corpus uteri	3,958	0.0	0.1	0.1	0.0	0.1	0.3	0.5	1.9	4.2	7.1	14.0	16.6	14.5	13.7	12.6	8	4.1	3.6	C54
Uterus unspecified	766	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.3	2.6	2.7	1.7	0.7	2.1	0.9	1	0.8	0.7	C55
Ovary	6,116	0.6	0.3	0.7	1.2	2.3	2.5	3.4	4.8	7.4	14.3	17.9	17.2	14.3	14.2	13.6	13	6.4	5.6	C56
Other female genital	77	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.3	0.0	0.2	0	0.1	0.1	C57
Placenta	198	0.0	0.0	0.0	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0	0.2	0.2	C58
Kidney	637	0.7	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.4	0.8	0.9	1.7	1.8	2.2	3.0	5	0.7	0.6	C64
Renal pelvis	119	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.2	0.2	0.1	0.9	0.7	1	0.1	0.1	C65
Ureter	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	1.0	0	0.1	0.1	C66
Bladder	1,308	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.2	1.2	0.6	1.0	2.7	4.7	5.4	11.9	16	1.4	1.2	C67
Other urinay organs	29	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0	0.0	0.0	C68
Eye	190	0.8	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1	2	0.2	0.2	C69
Brain, nervous system	2,995	0.8	1.6	1.5	1.2	1.4	1.5	1.9	2.7	3.0	4.5	4.5	6.1	6.5	9.3	9.4	11	3.1	2.9	C70-72
Thyroid	4,827	0.1	0.2	0.6	1.5	2.3	3.9	5.1	6.6	5.9	9.3	8.5	8.0	7.9	11.6	12.6	16	5.0	4.3	C73
Adrenal gland	84	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.1	0.3	0	0.1	0.1	C74
Other endocrine	86	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0	0.1	0.1	C75
Hodgkin disease	231	0.0	0.0	0.1	0.0	0.3	0.5	0.3	0.4	0.1	0.3	0.1	0.3	0.5	0.7	0.9	0	0.2	0.2	C81
Non-Hodgkin lymphoma	4,213	0.5	0.3	0.9	0.8	1.6	2.3	2.4	2.8	3.3	5.0	7.6	9.3	11.9	16.1	22.7	22	4.4	4.0	C82-85,C96
Immunoproliferative diseases	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0	0.0	0.0	C88
Multiple myeloma	755	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.2	0.6	1.7	2.5	3.2	4.9	4.7	4	0.8	0.7	C90
Lymphoid leukemia	1,312	2.8	2.7	1.5	1.0	0.4	0.7	0.7	1.0	0.8	0.8	0.8	1.1	2.0	1.9	4.5	4	1.4	1.5	C91
Myeloid leukemia	1,781	0.9	0.4	0.8	0.9	1.0	1.4	1.2	1.6	1.8	2.5	2.5	2.3	4.0	5.3	6.6	7	1.9	1.7	C92-94
Leukemia unspecified	1,444	1.1	0.7	0.4	0.5	0.5	1.1	0.9	1.3	1.1	1.5	1.8	1.6	3.6	5.5	5.1	8	1.5	1.4	C95
Other and unspecified	8,497	0.5	0.3	0.3	0.3	0.6	1.7	2.5	4.8	6.7	9.6	17.0	21.9	26.9	43.7	47.3	55	8.9	7.9	O&U
All sites	**150,768**	**11.0**	**8.7**	**9.4**	**11.6**	**17.5**	**32.5**	**57.2**	**102.7**	**164.1**	**251.7**	**328.3**	**396.6**	**445.6**	**580.8**	**679.5**	**731**	**157.3**	**138.3**	

Oral cavity

Figure 2.2.1 Oral cavity cancer in different regions, 2004-2006

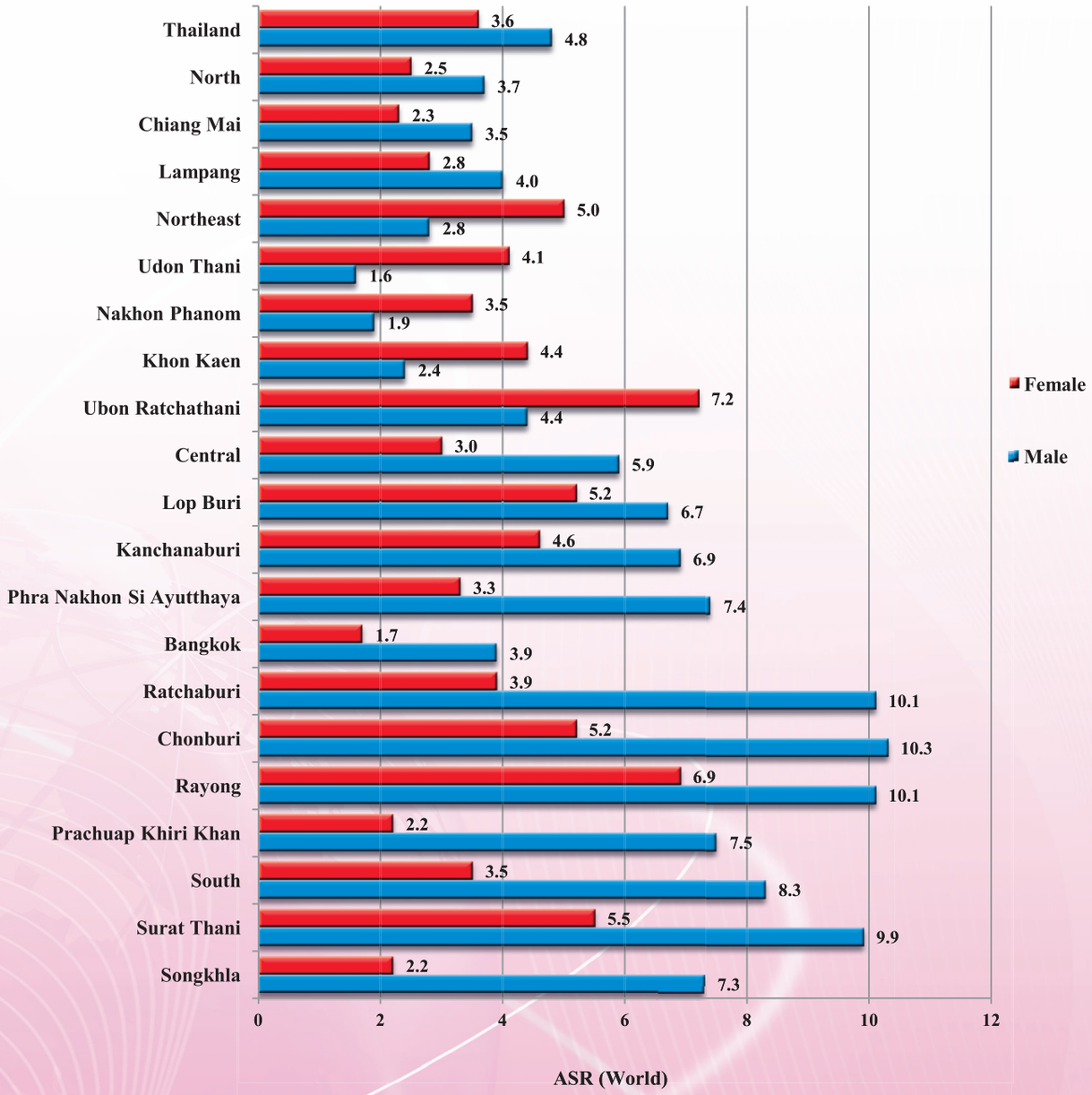
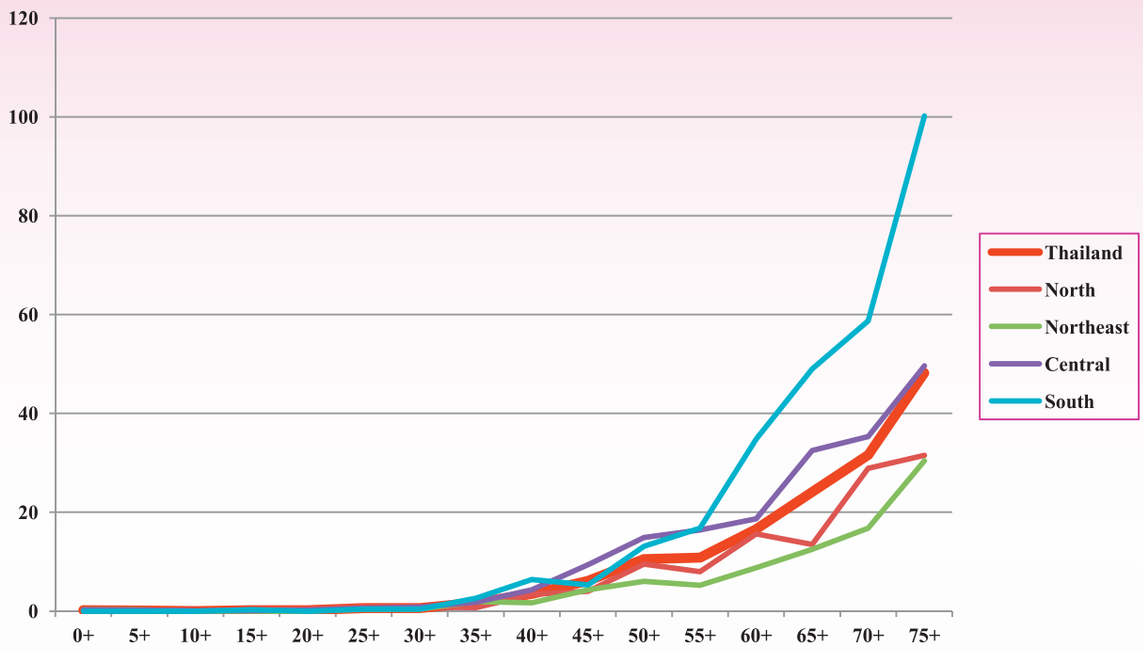


Figure 2.2.2 Age-specific incidence rates of oral cavity cancer, 2004-2006

Male



Female

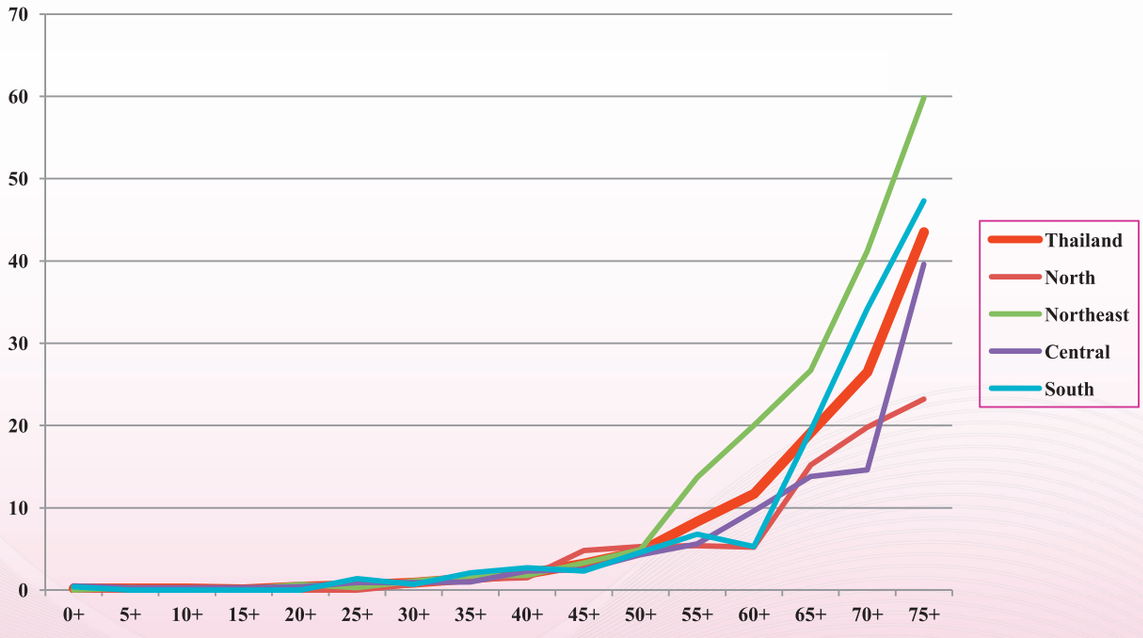
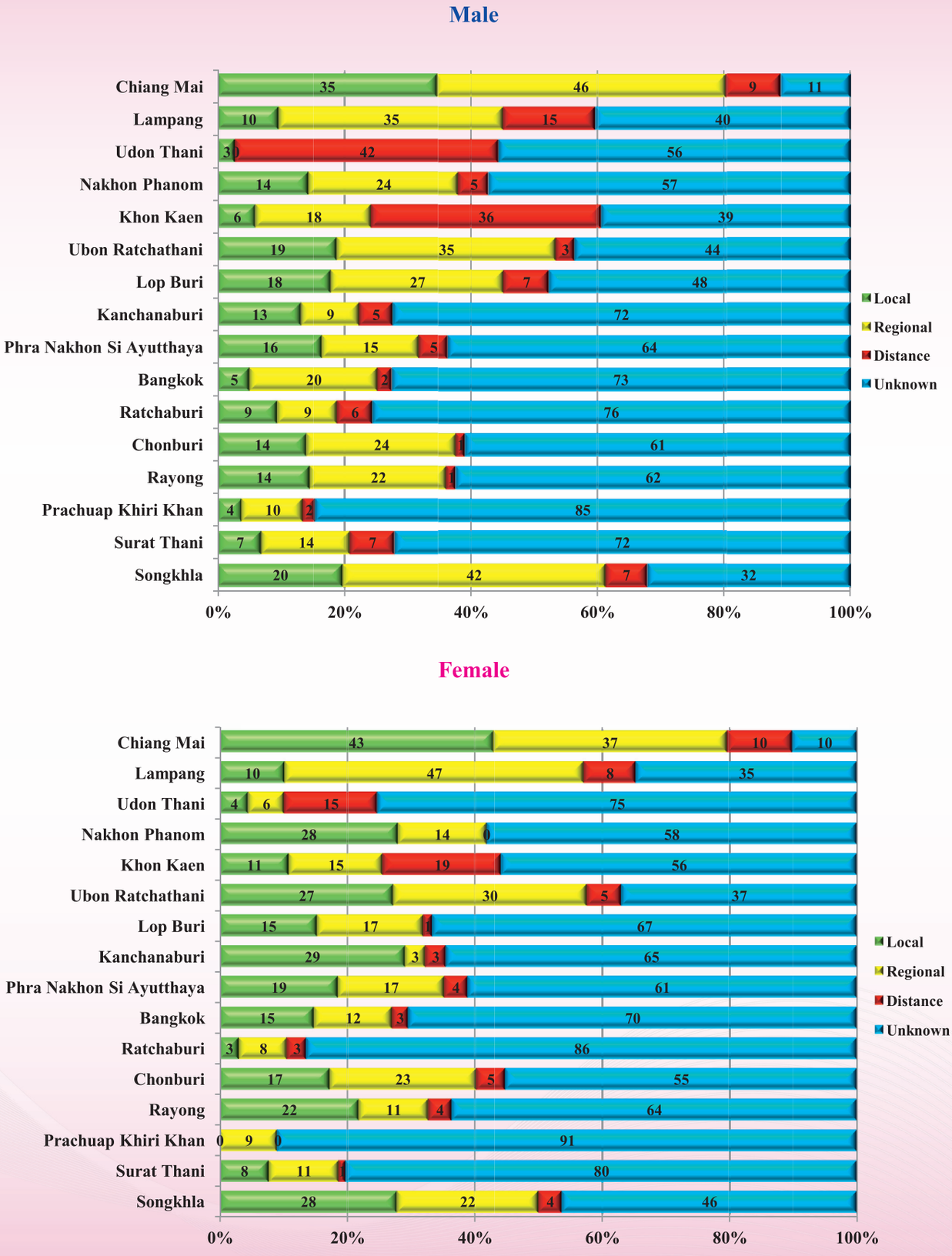


Figure 2.2.3 Stage distribution of Oral cavity cancer, 2004-2006



Oropharynx

Figure 2.3.1 Oropharynx cancer in different regions, 2004-2006

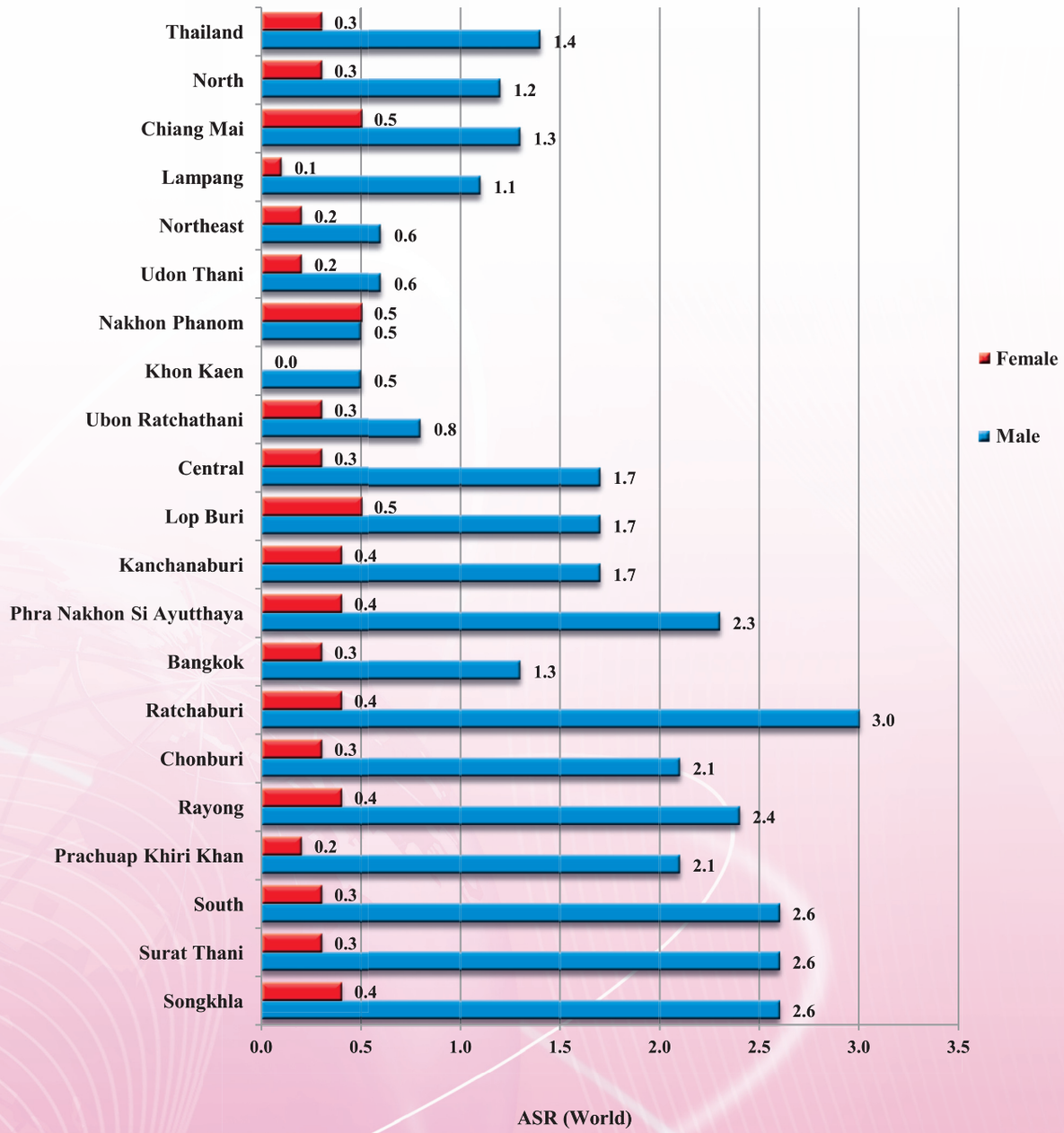
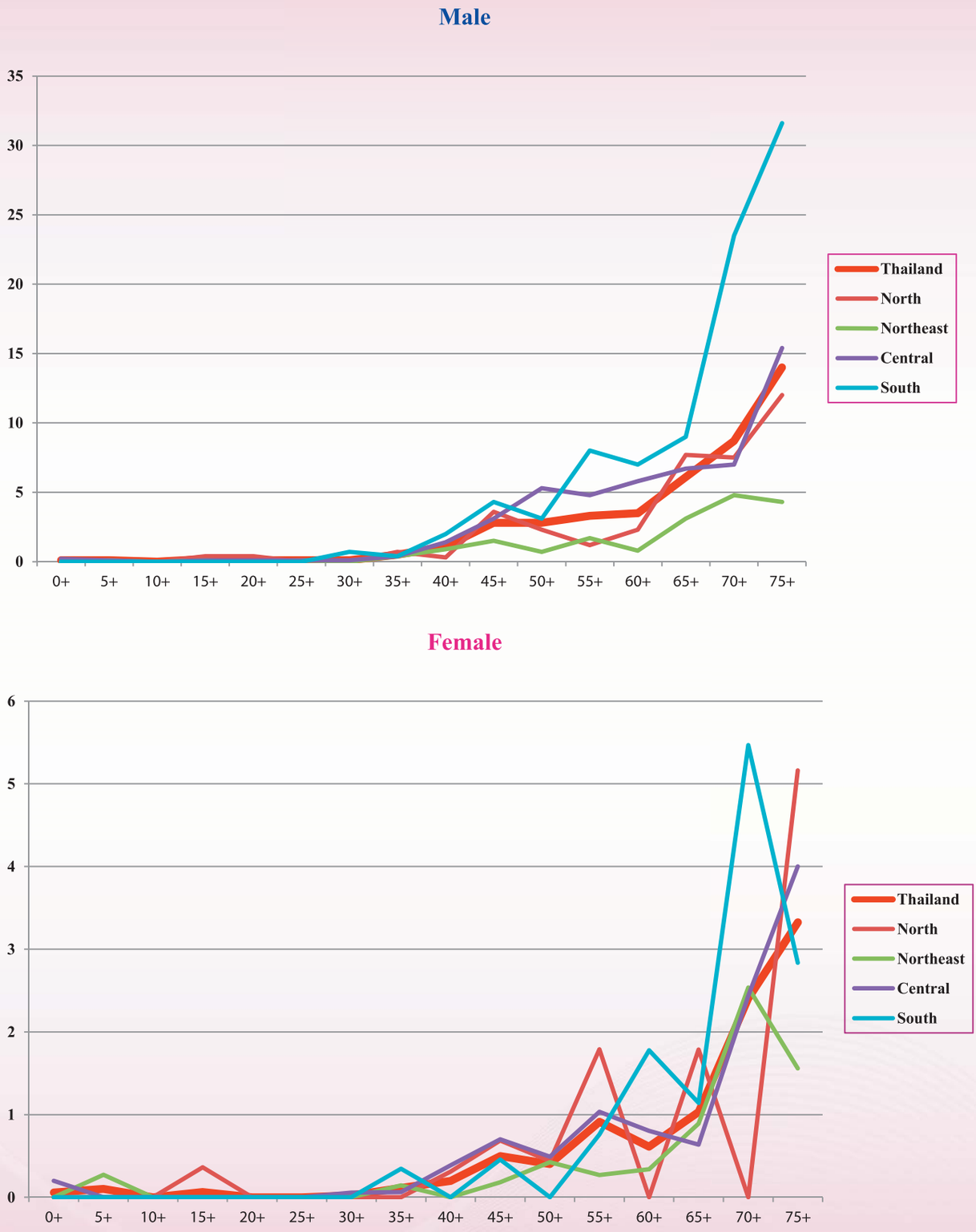


Figure 2.3.2 Age-specific incidence rates of oropharynx cancer, 2004-2006



Nasopharynx

Figure 2.4.1 Nasopharynx cancer in different regions, 2004-2006

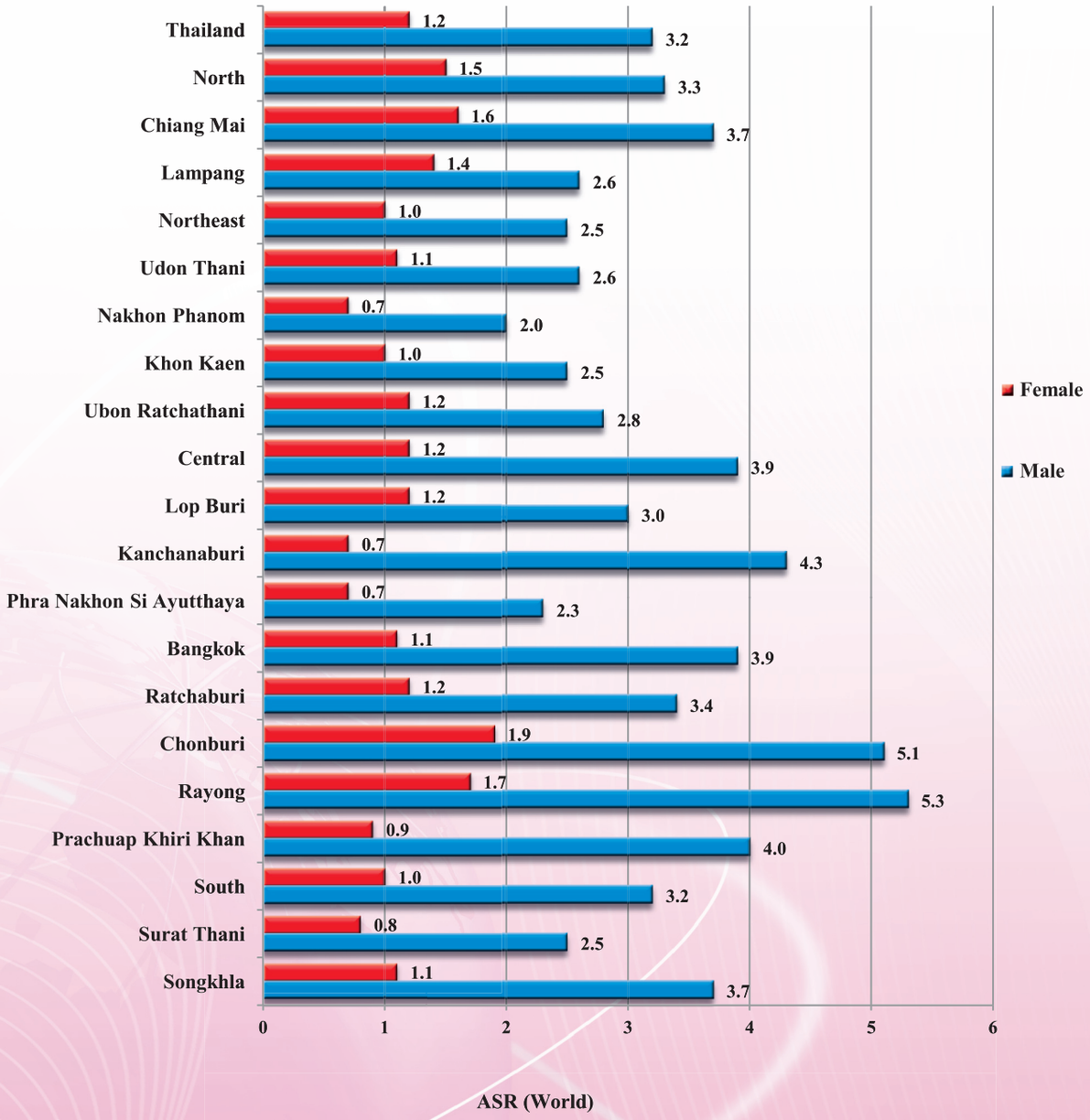


Figure 2.4.2 Age-specific incidence rates of nasopharynx cancer, 2004-2006

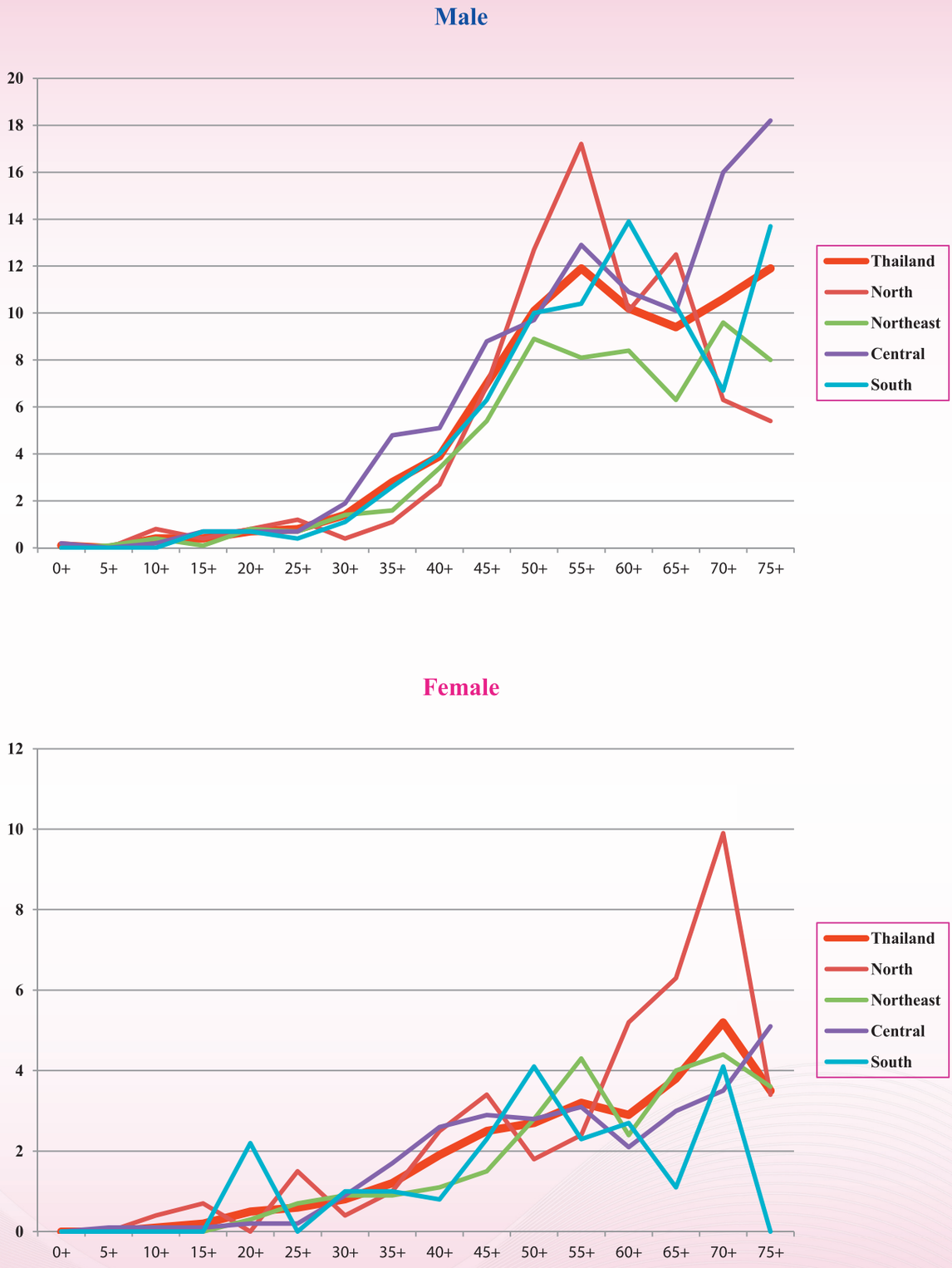
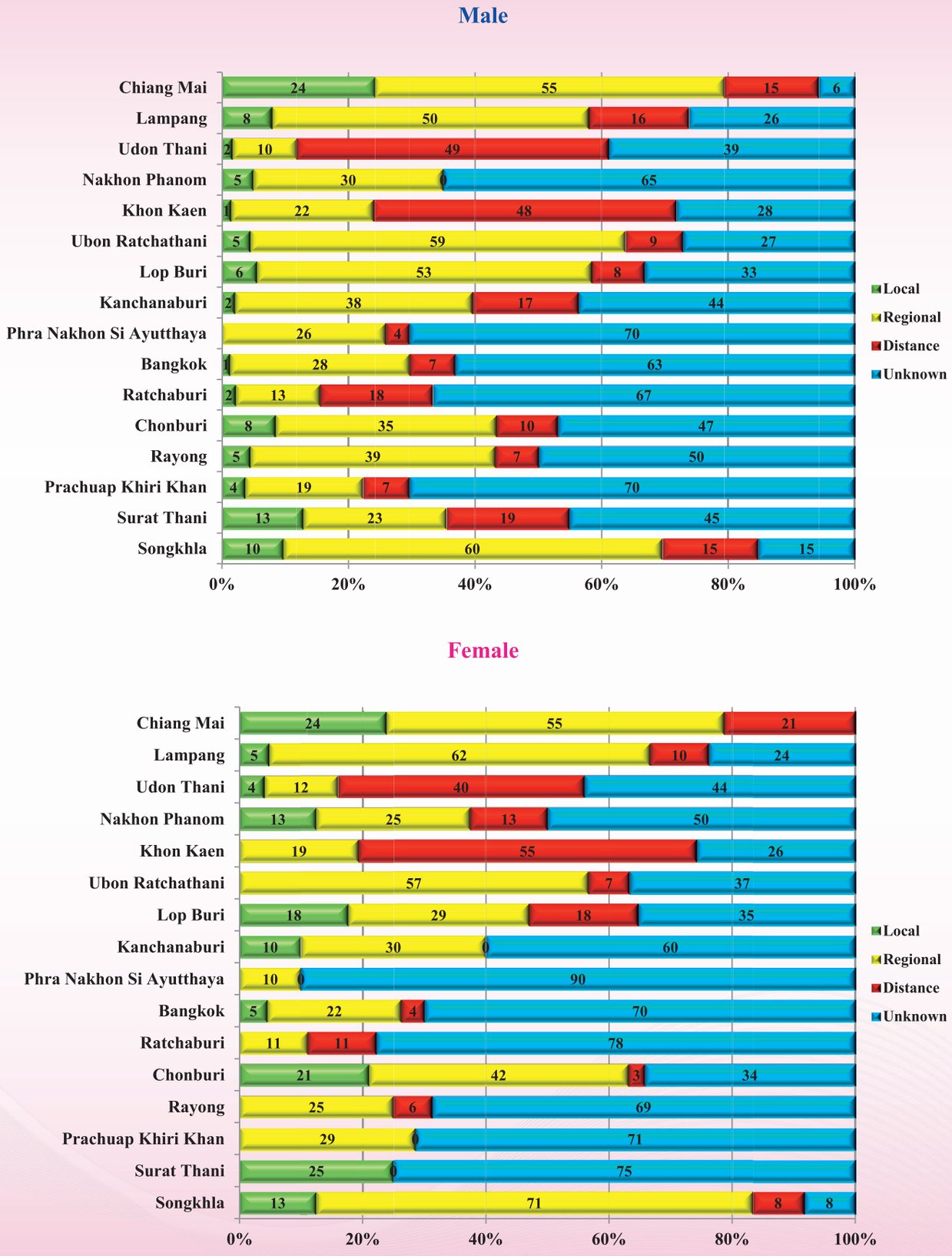


Figure 2.4.3 Stage distribution of nasopharynx cancer, 2004-2006



Hypopharynx

Figure 2.5.1 Hypopharynx cancer in different regions, 2004-2006

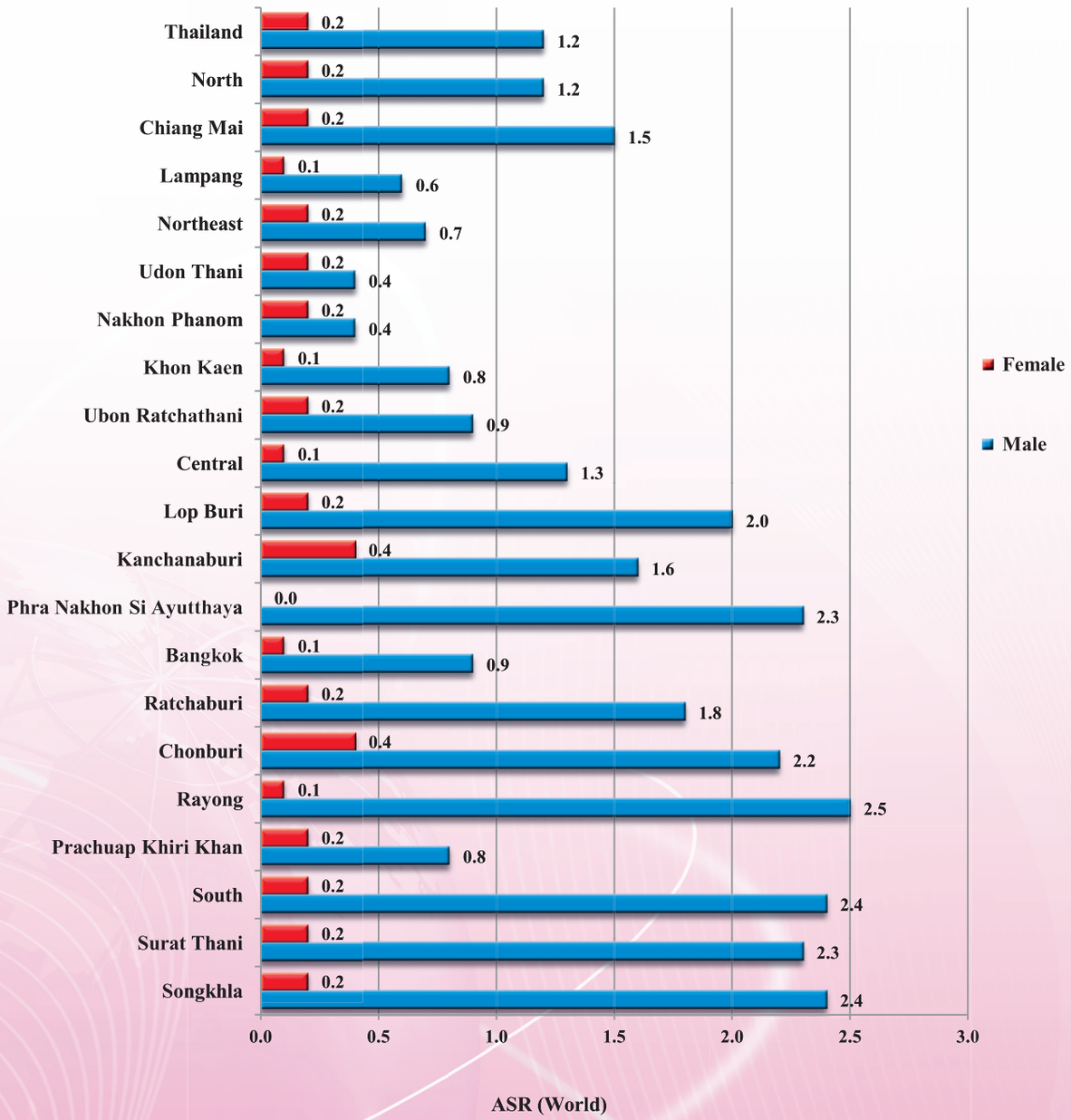
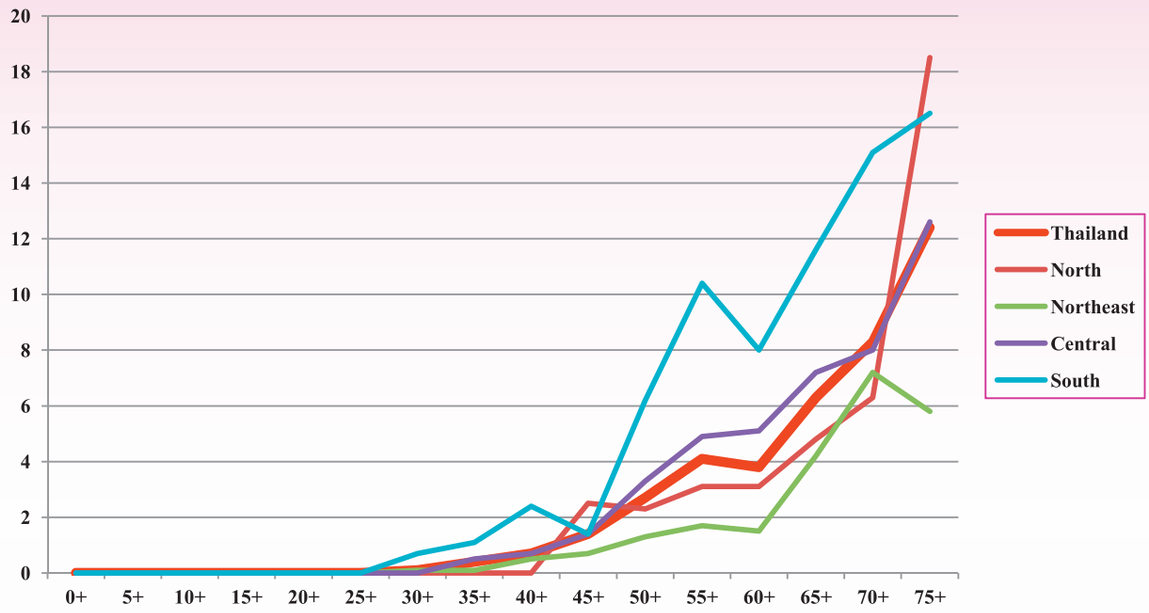
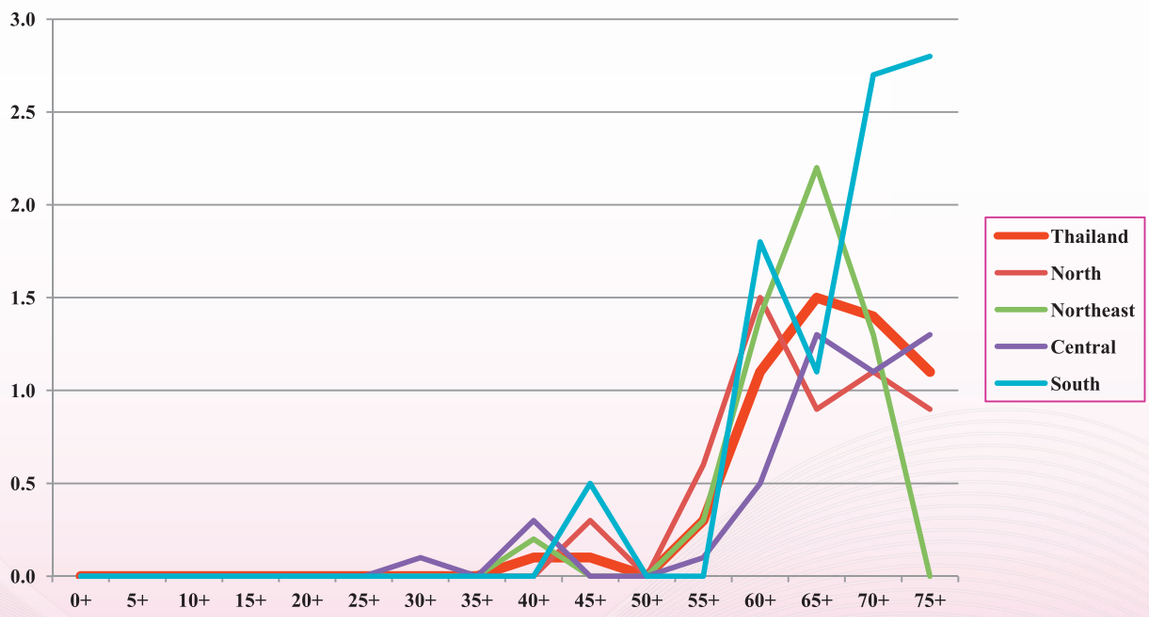


Figure 2.5.2 Age-specific incidence rates of hypopharynx cancer, 2004-2006

Male



Female



Esophagus

Figure 2.6.1 Esophagus cancer in different regions, 2004-2006

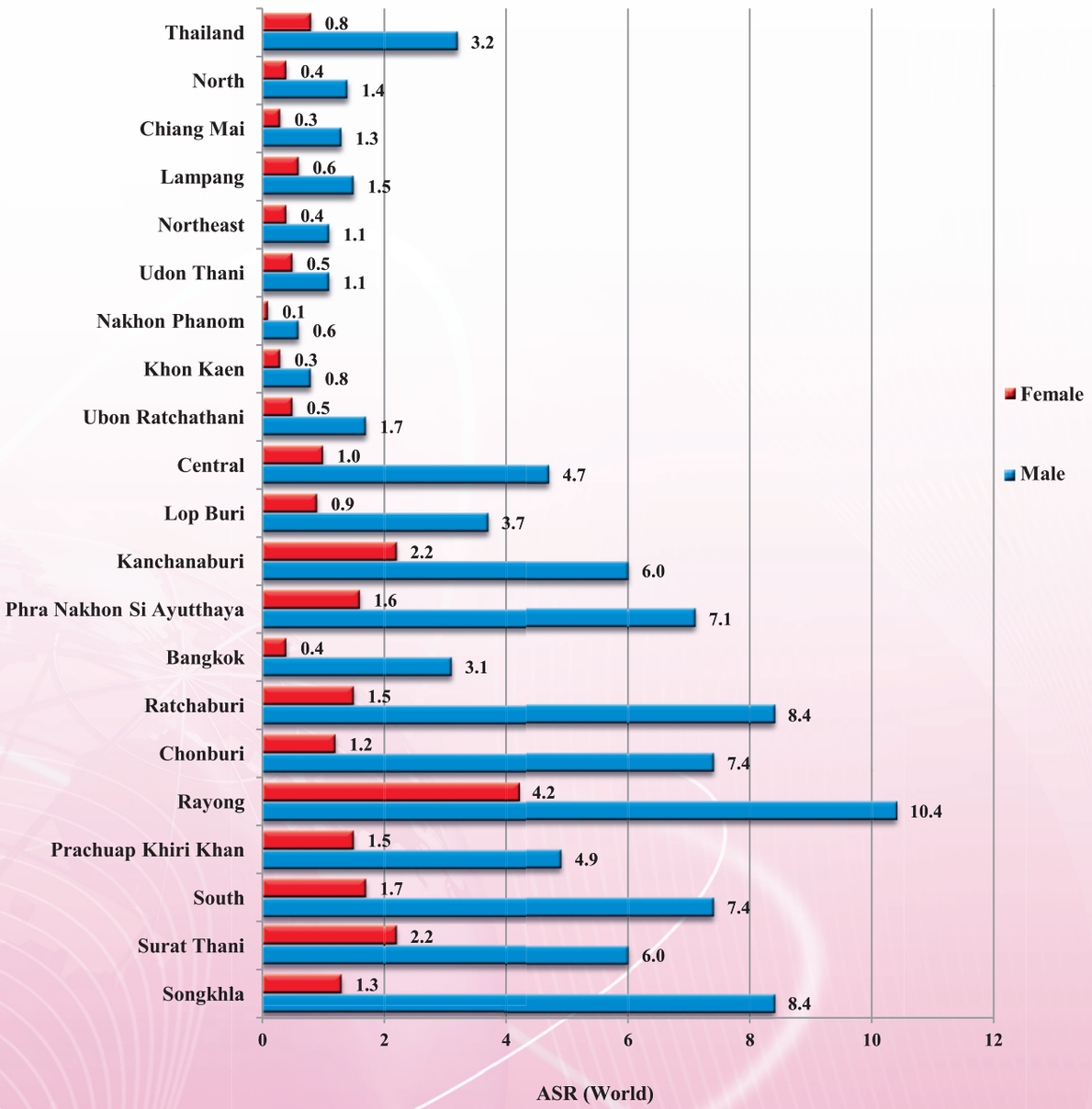
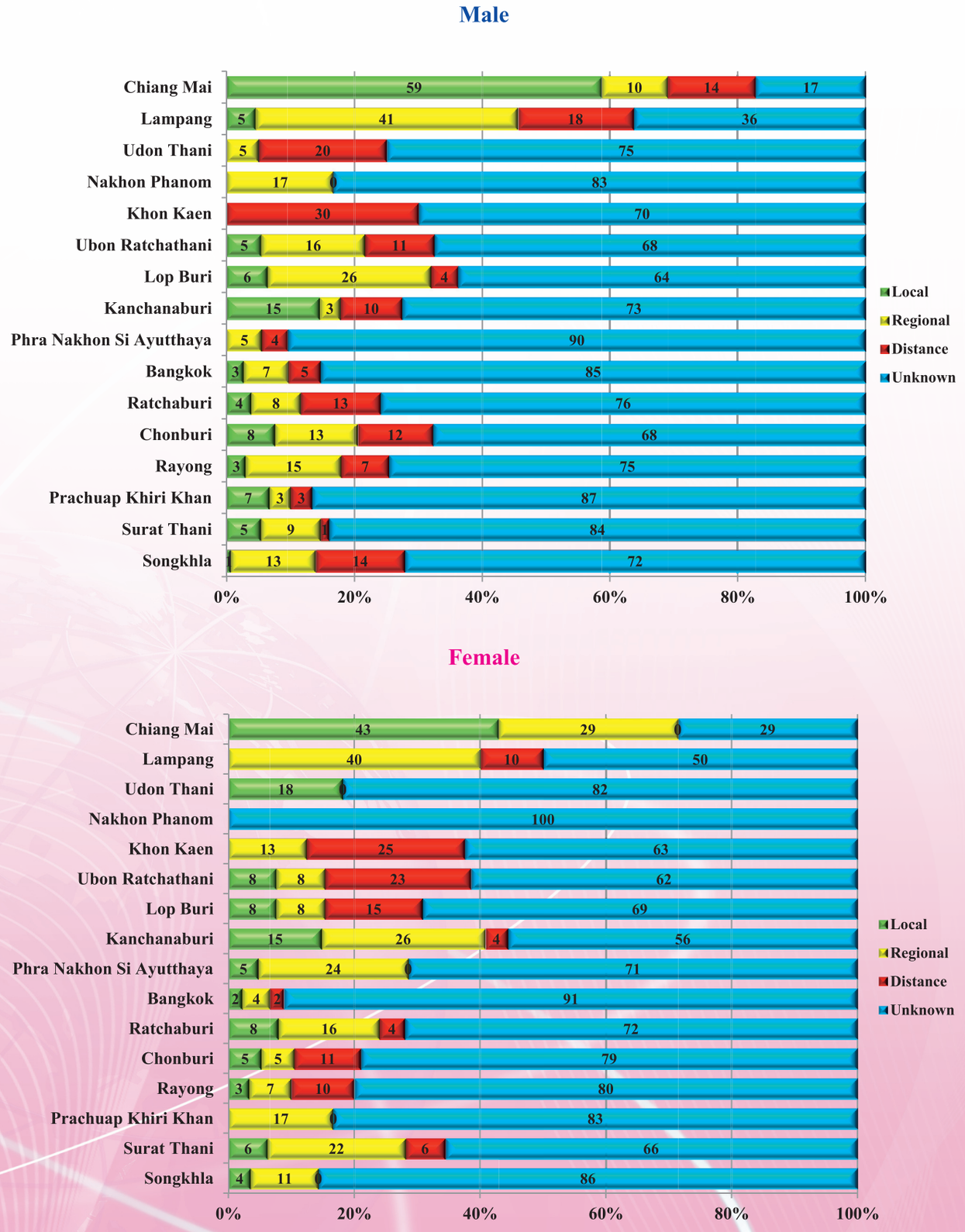


Figure 2.6.2 Age-specific incidence rates of esophagus cancer, 2004-2006



Figure 2.6.3 Stage distribution of esophagus cancer, 2004-2006



Stomach

Figure 2.7.1 Stomach cancer in different regions, 2004-2006

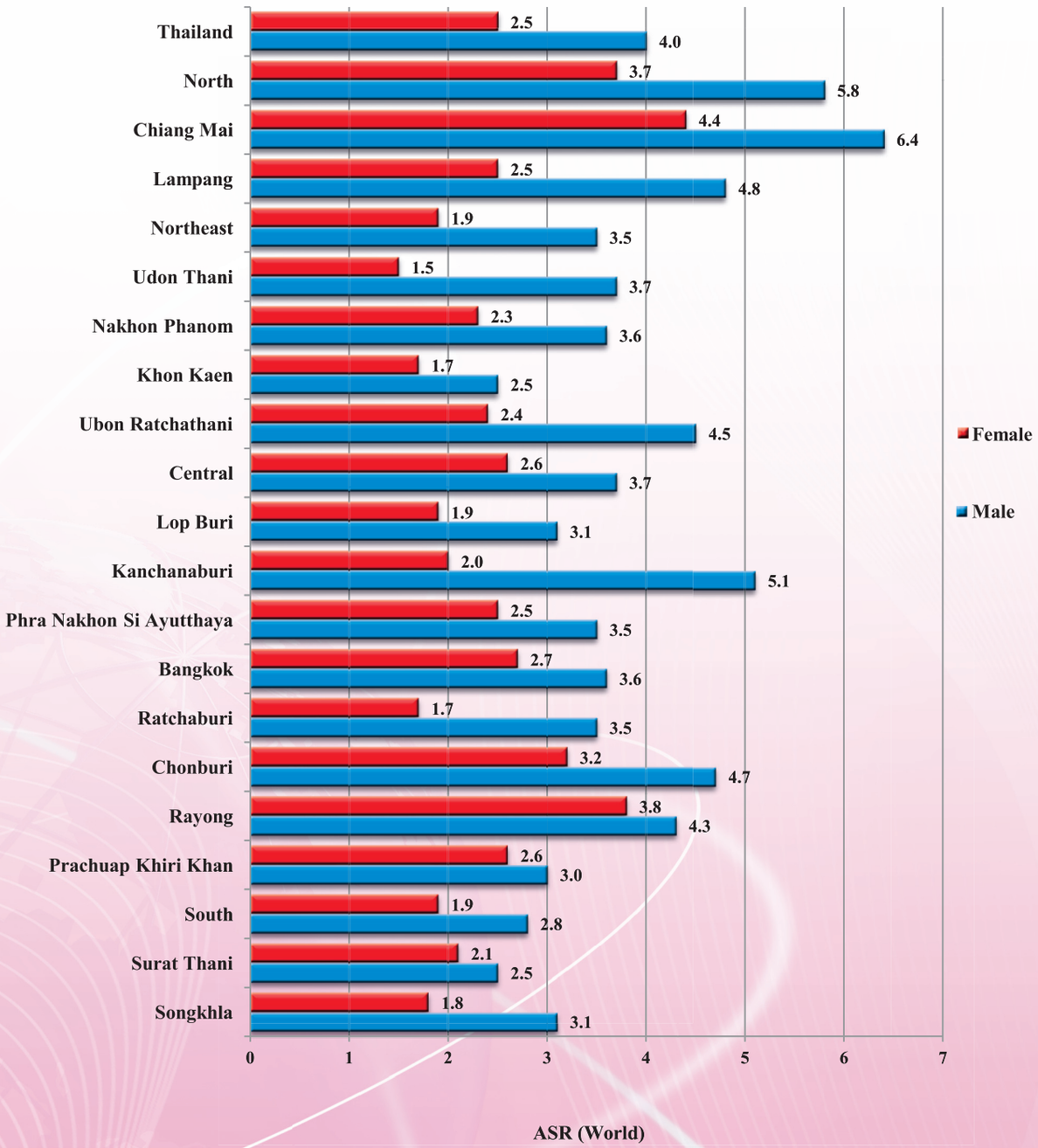


Figure 2.7.2 Age-specific incidence rates of stomach cancer, 2004-2006

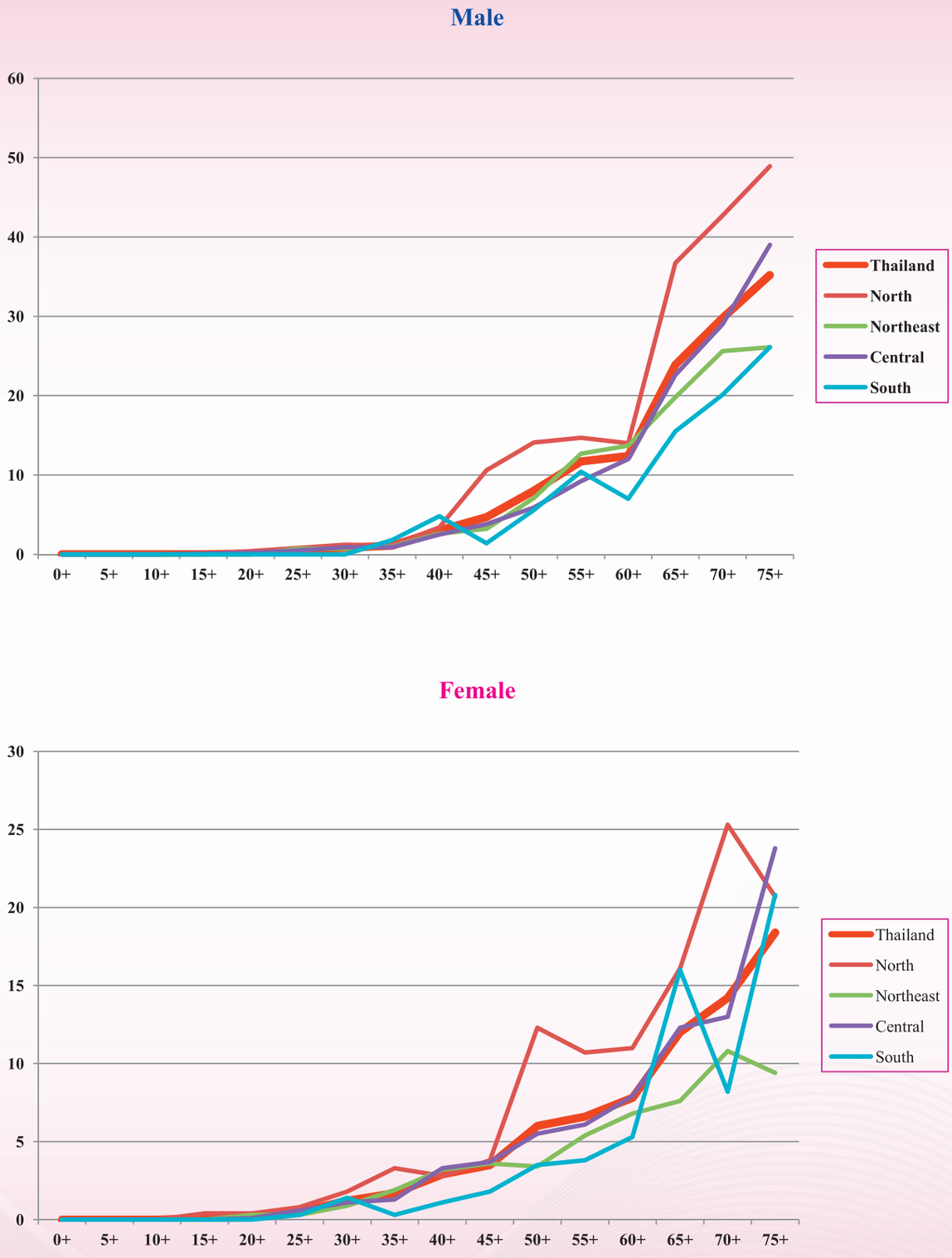
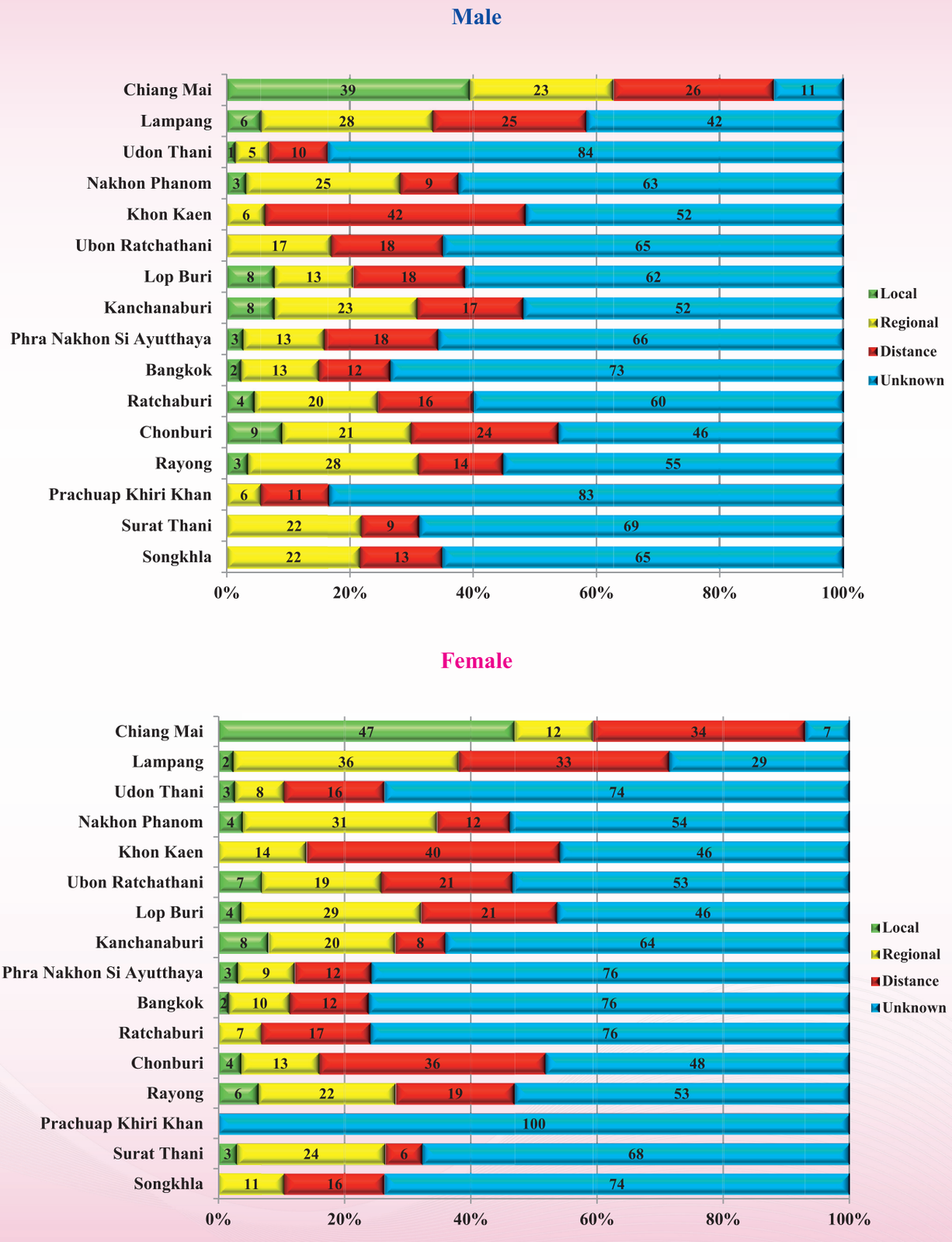


Figure 2.7.3 Stage distribution of stomach cancer, 2004-2006



Colon and Rectum

Figure 2.8.1 Colon and Rectum cancer in different regions, 2004-2006

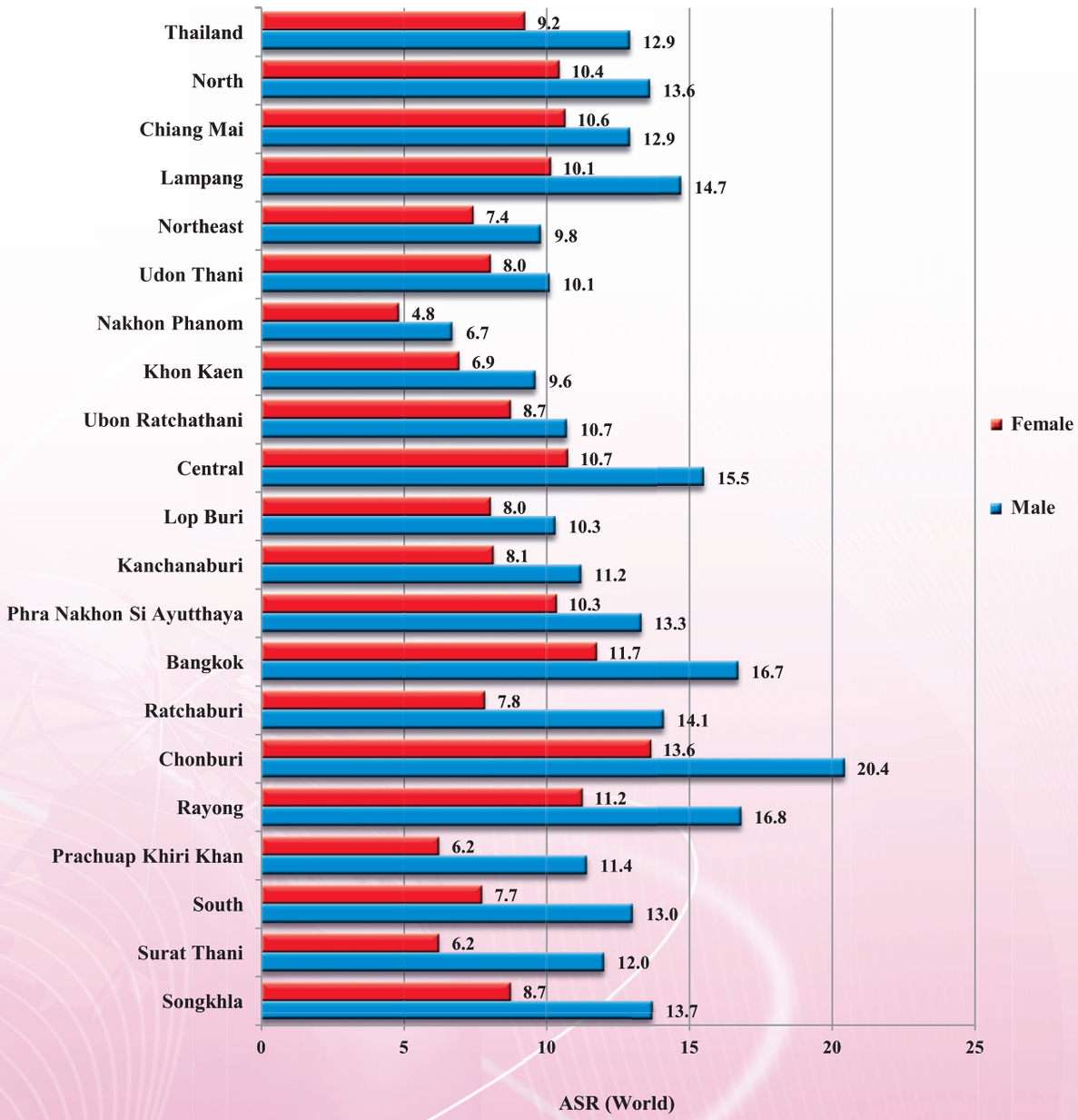


Figure 2.8.2 Age-specific incidence rates of colon and rectum cancer, 2004-2006

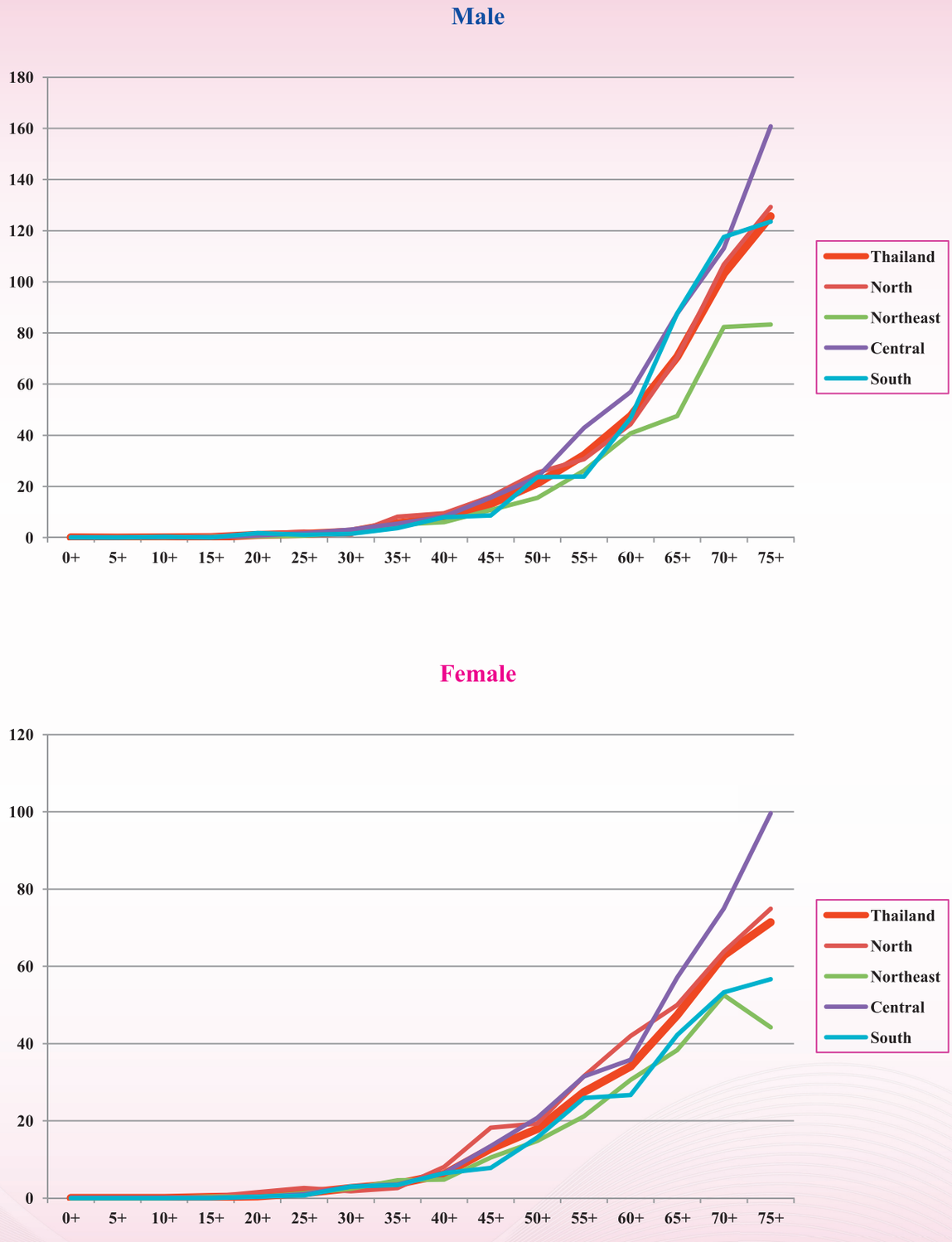
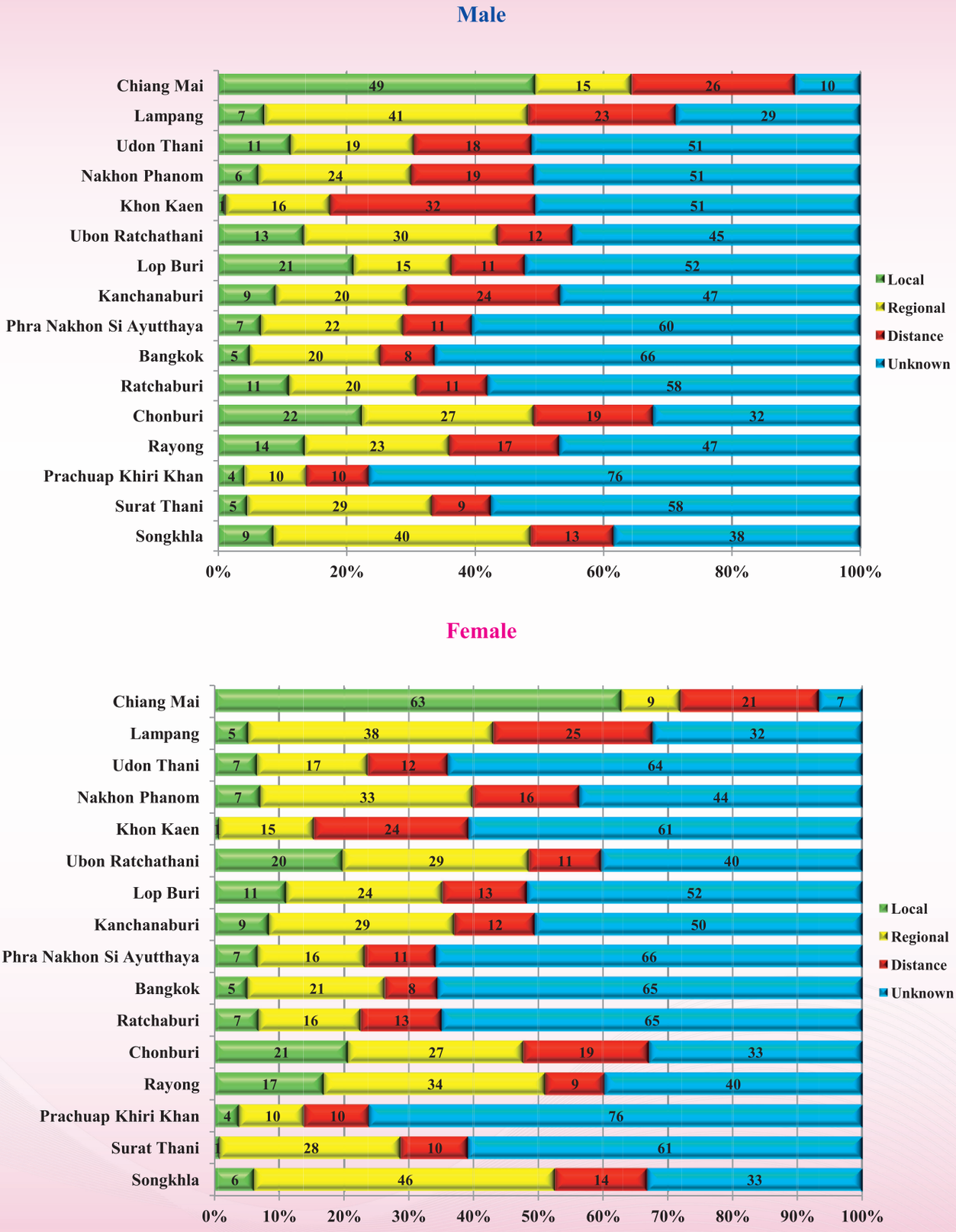


Figure 2.8.3 Stage distribution of Colon and Rectum cancer, 2004-2006



Liver and Bile duct

Figure 2.9.1 Liver and Bile duct cancer in different regions, 2004-2006

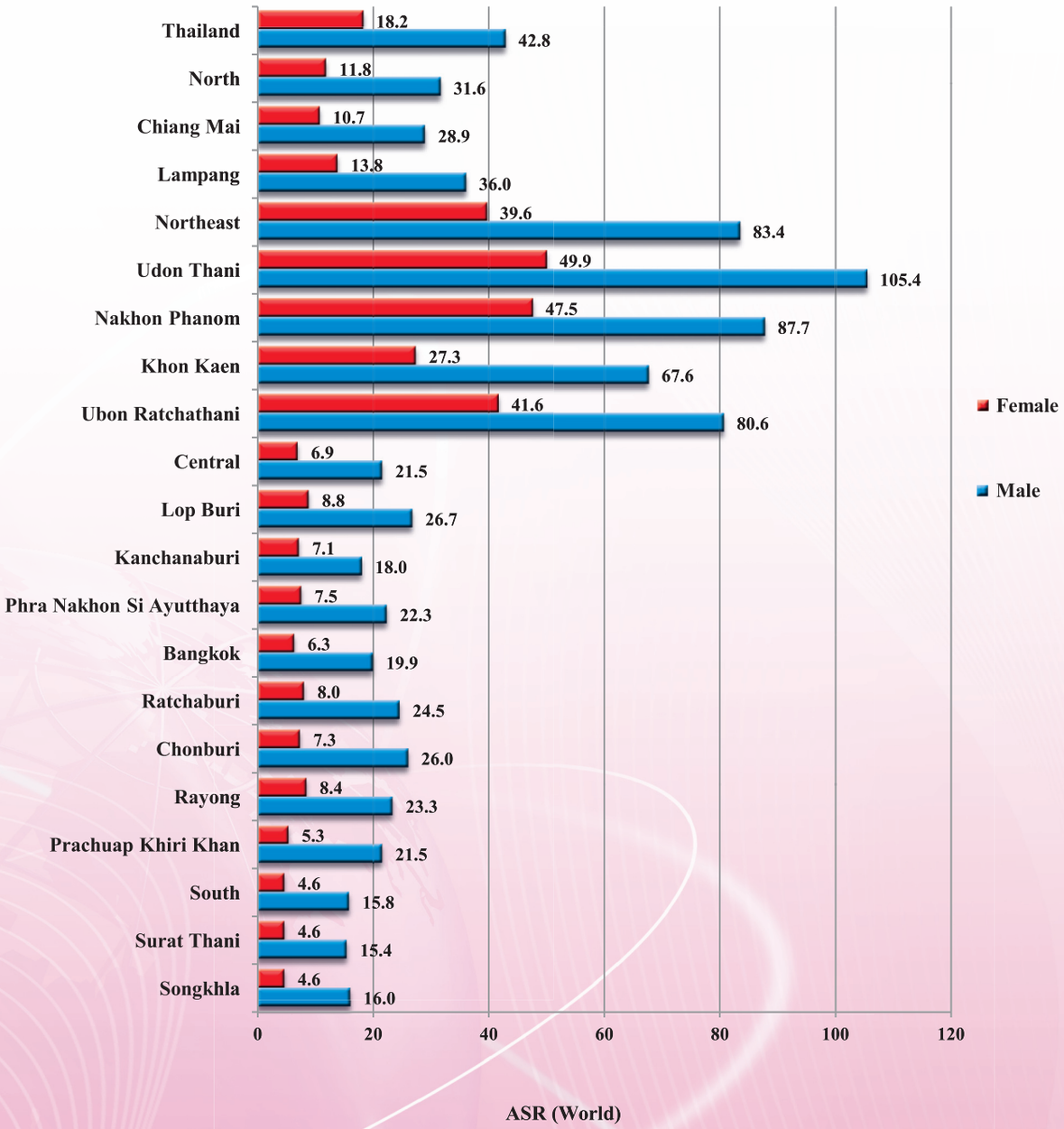


Figure 2.9.2 Age-specific incidence rates of liver and bile duct cancer, 2004-2006

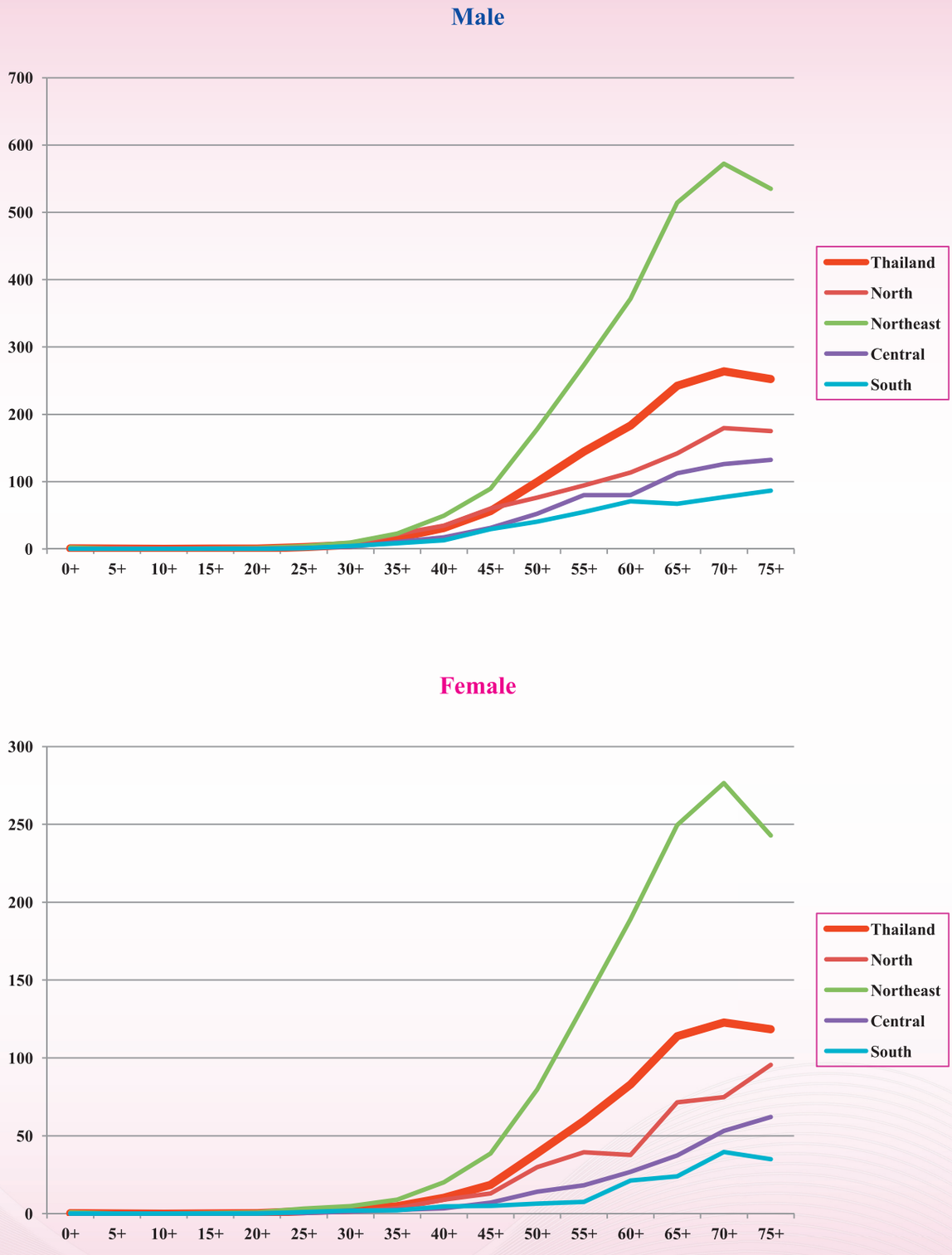
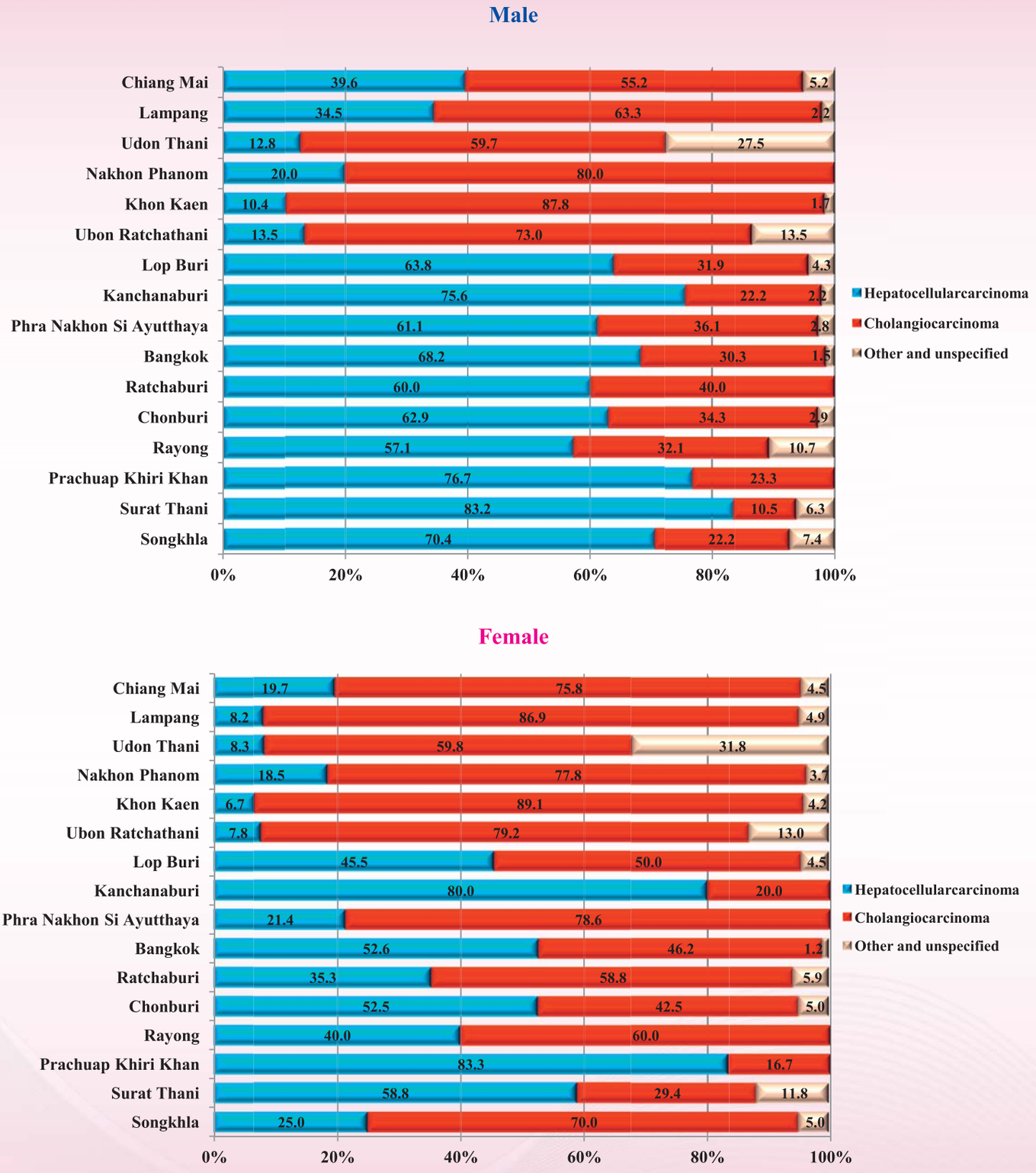


Figure 2.9.3 Histological types of liver and bile duct cancer, 2004-2006



Larynx

Figure 2.10.1 Larynx cancer in different regions, 2004-2006

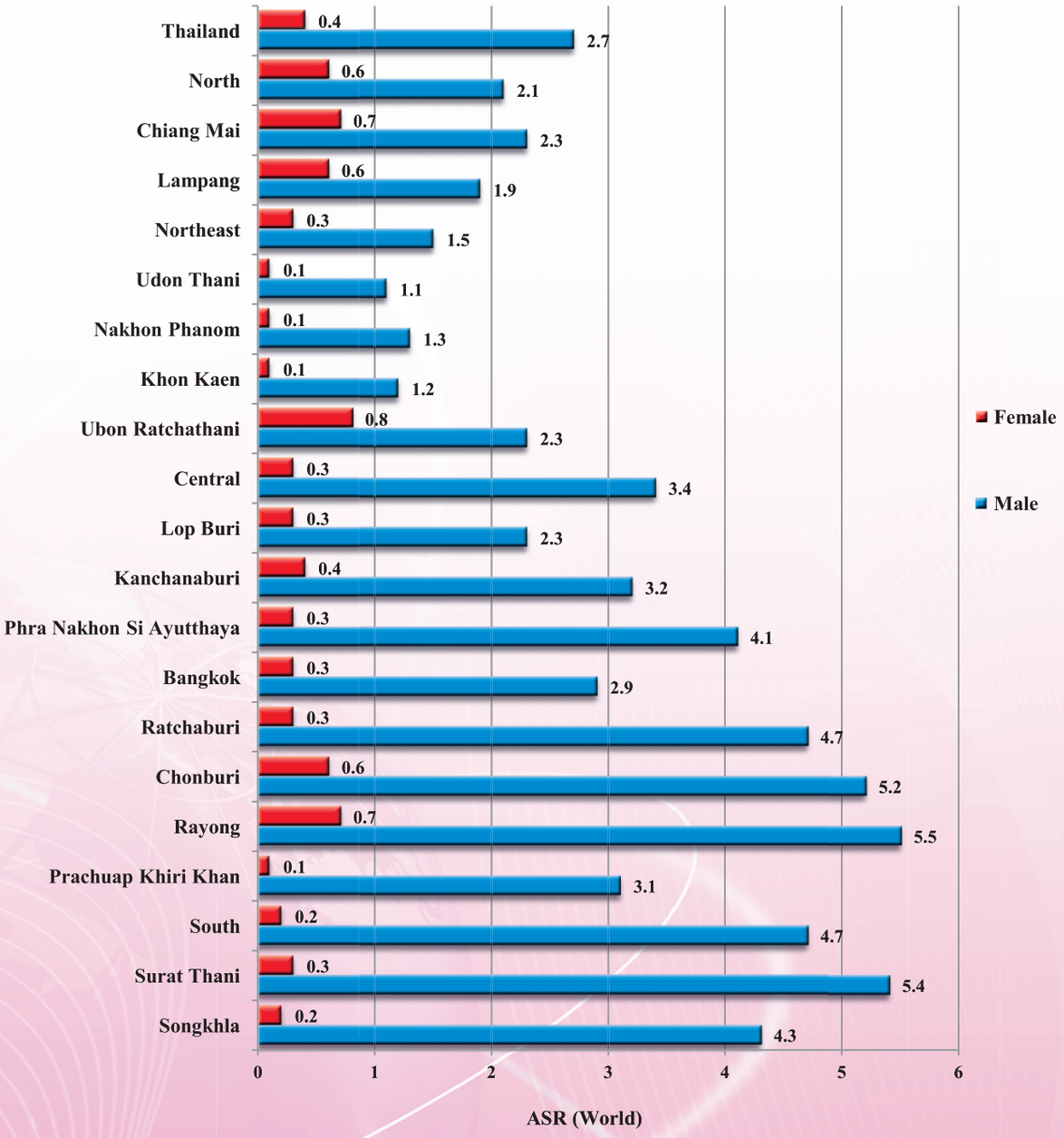
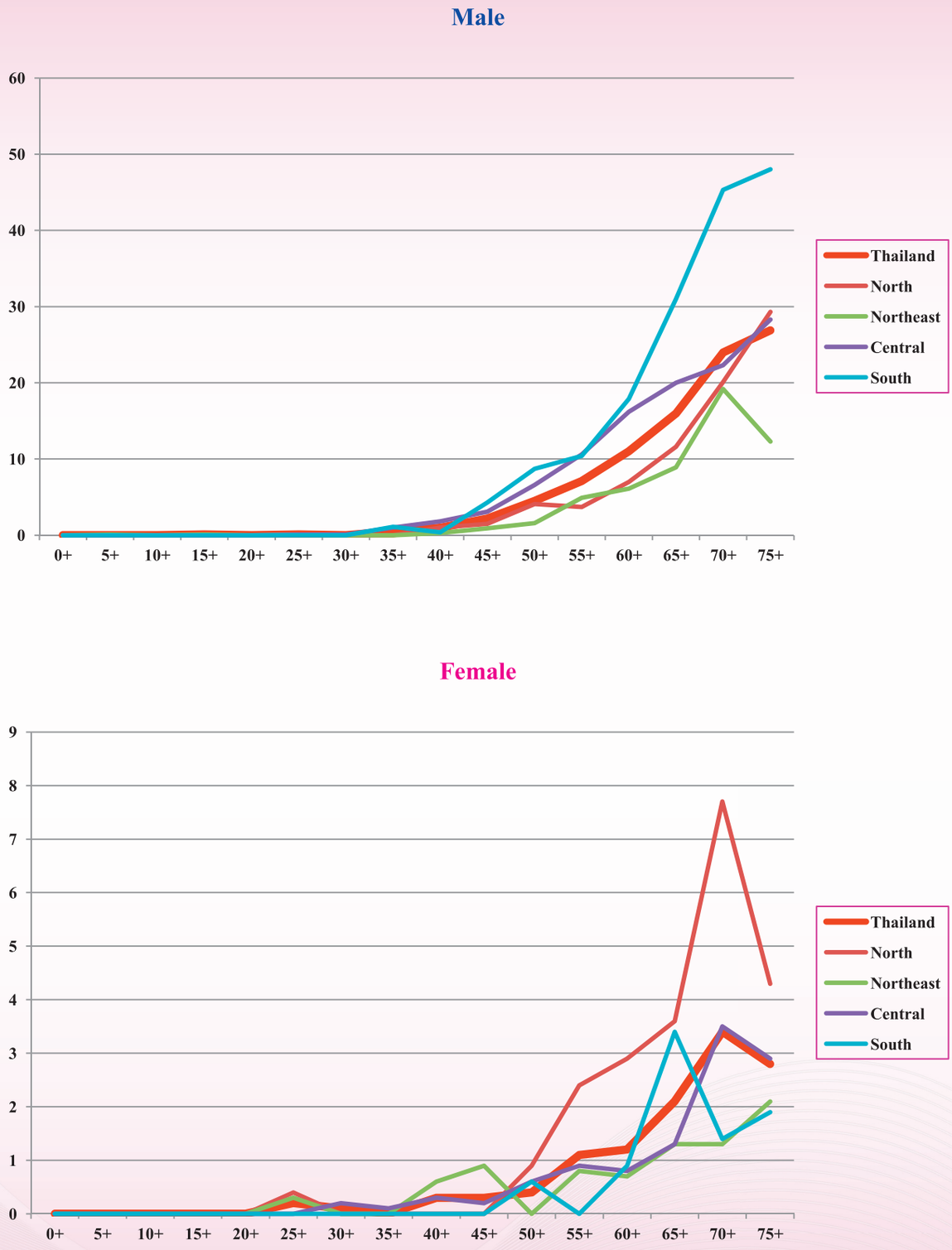


Figure 2.10.2 Age-specific incidence rates of larynx cancer, 2004-2006



Trachea, bronchus and lung

Figure 2.11.1 Trachea, bronchus and lung cancer in different regions, 2004-2006

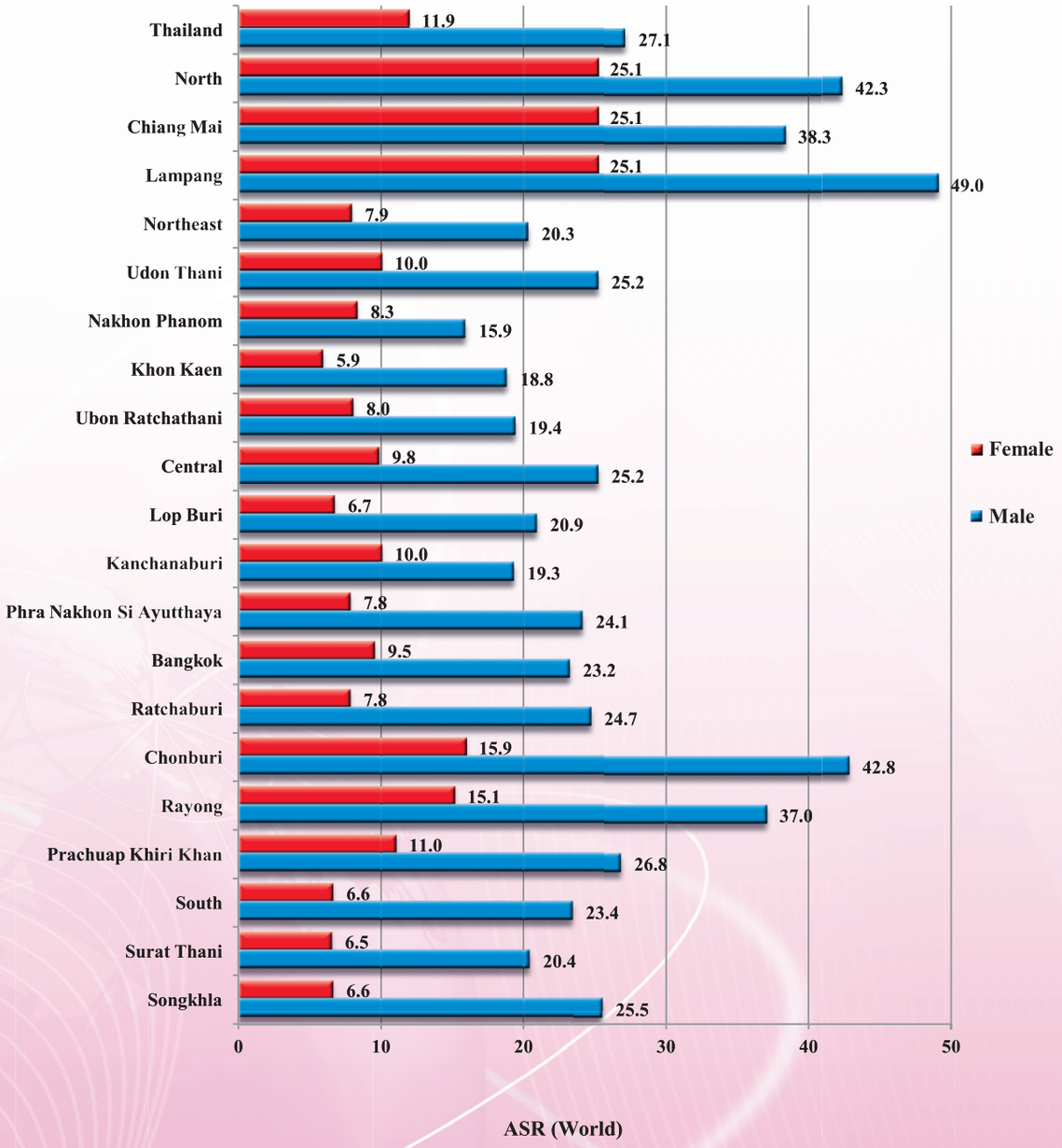
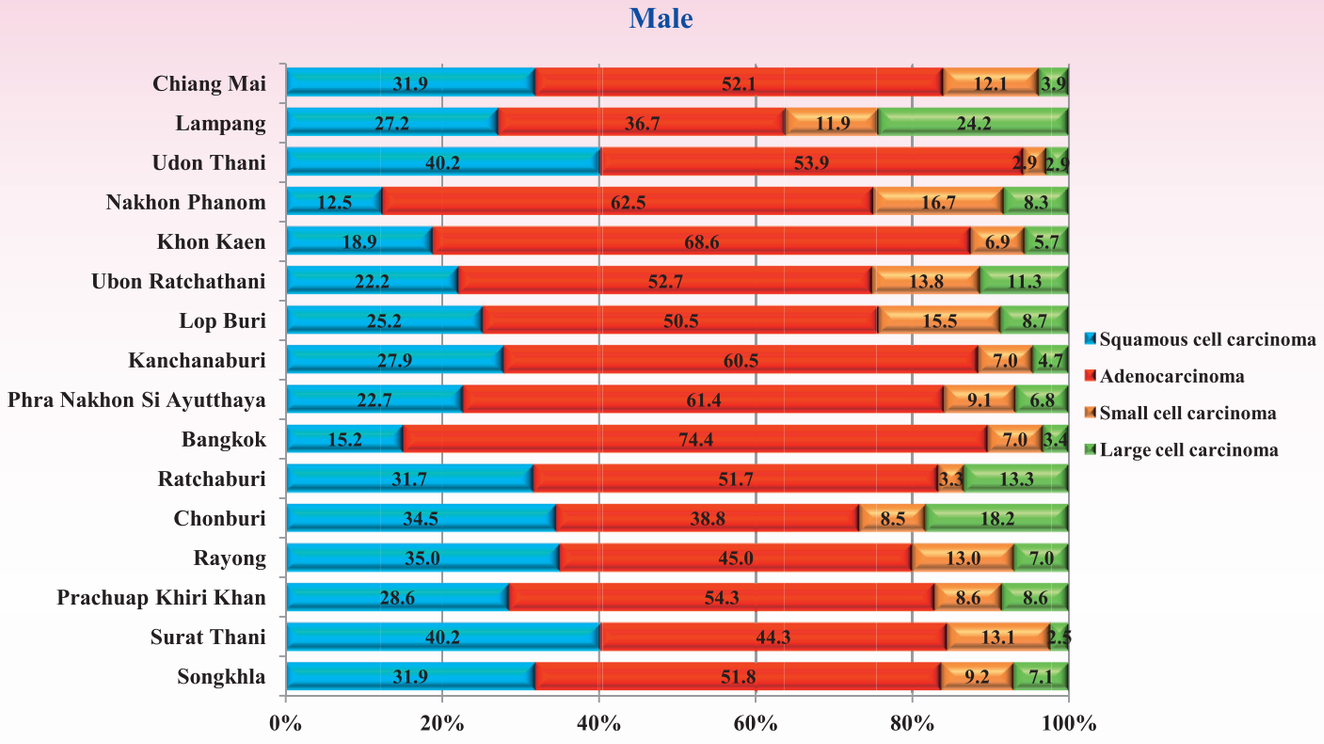


Figure 2.11.2 Age-specific incidence rates of trachea, bronchus and lung cancer, 2004-2006



Figure 2.11.3 Histological types of trachea, bronchus and lung cancer, 2004-2006



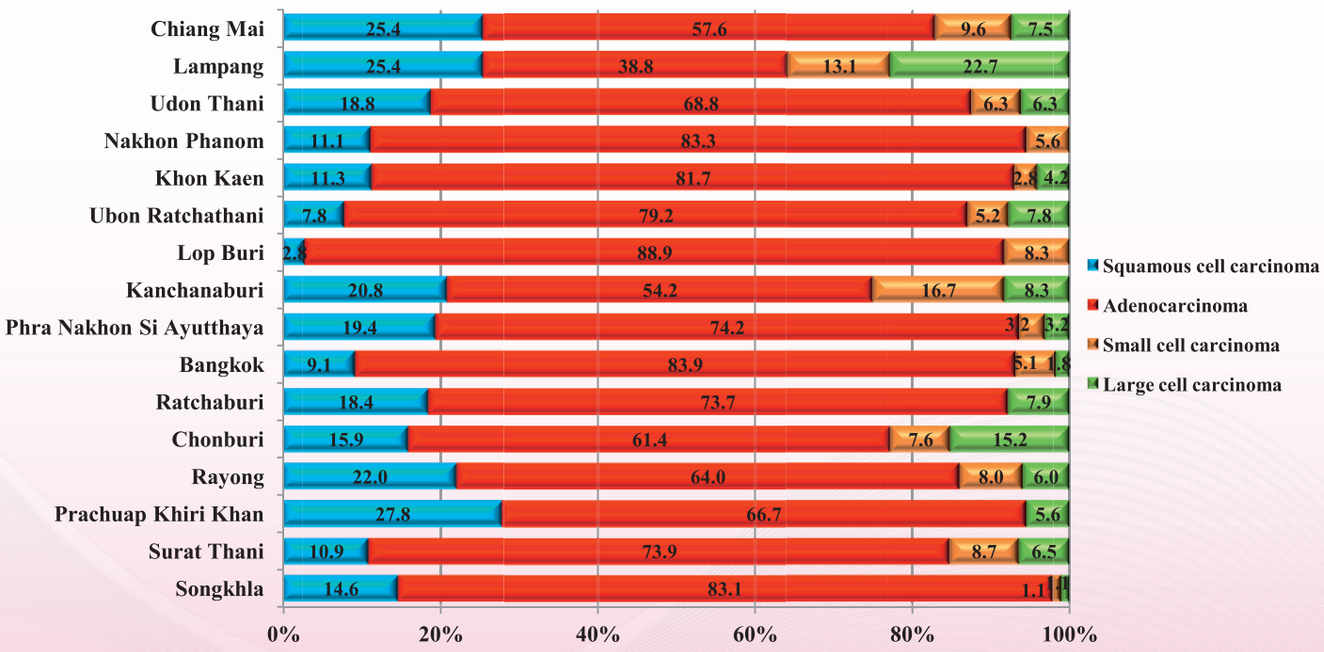
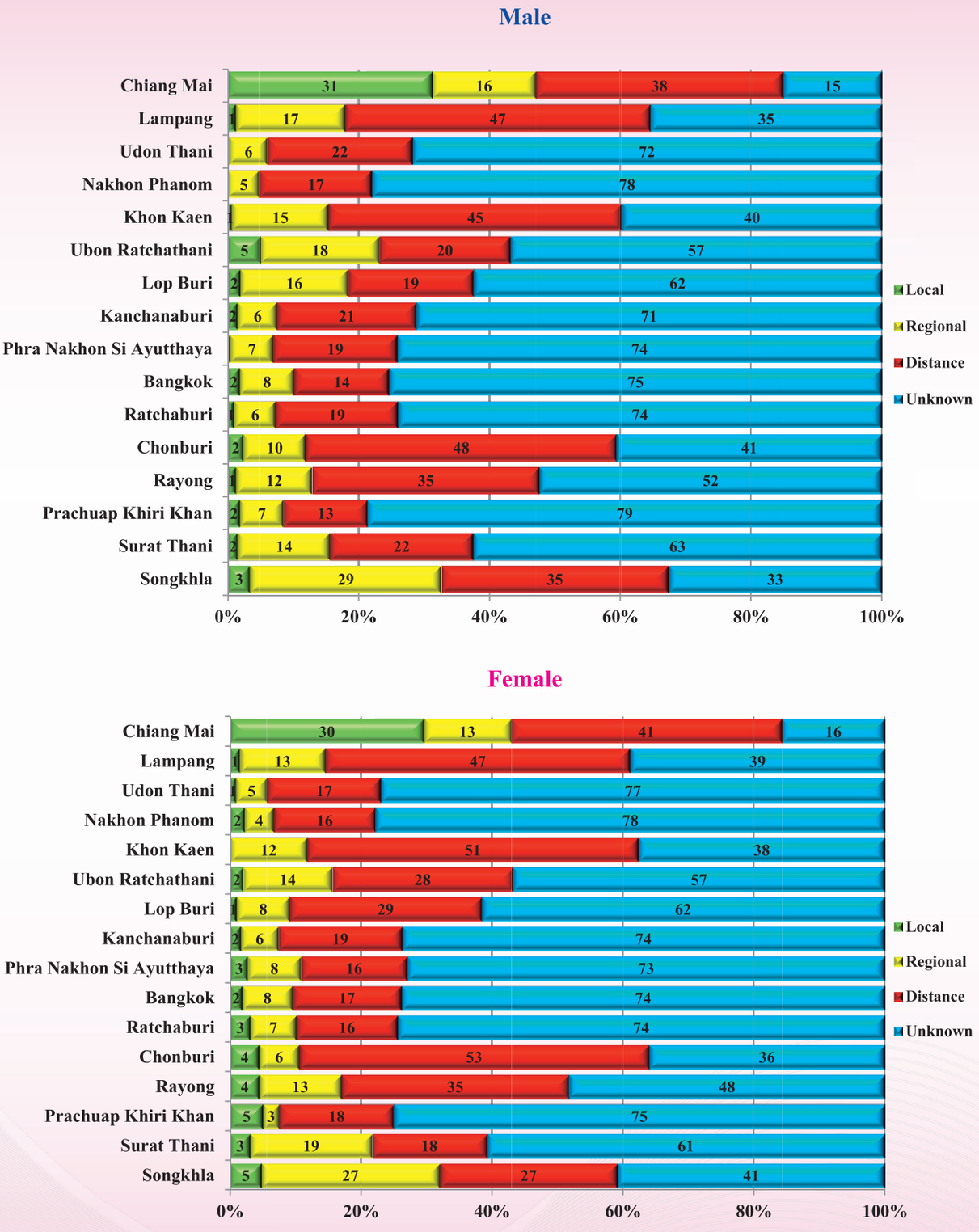


Figure 2.11.4 Stage distribution of trachea, bronchus and lung cancer, 2004-2006



Skin

Figure 2.12.1 Skin cancer in different regions, 2004-2006

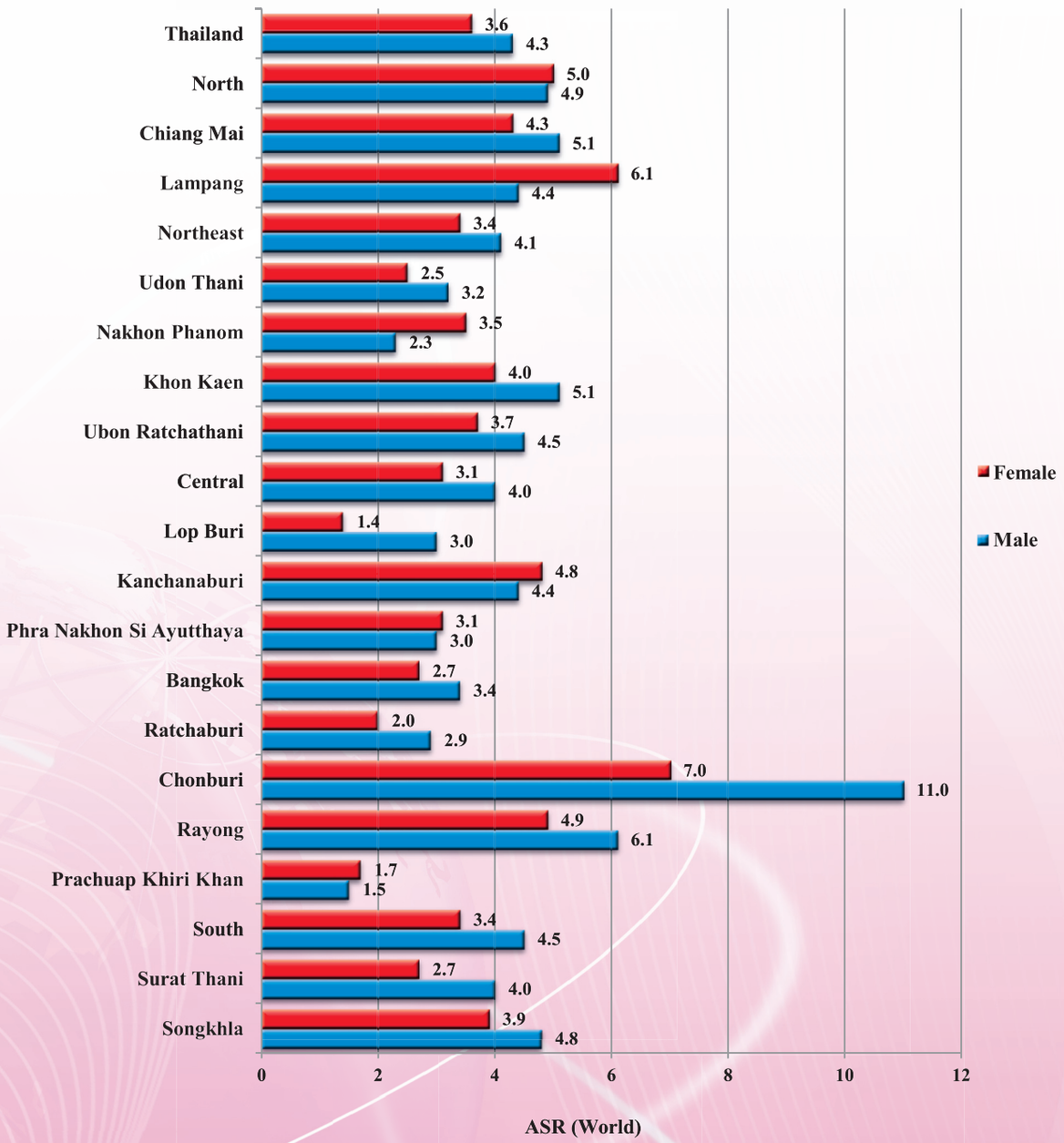


Figure 2.12.2 Age-specific incidence rates of skin cancer, 2004-2006

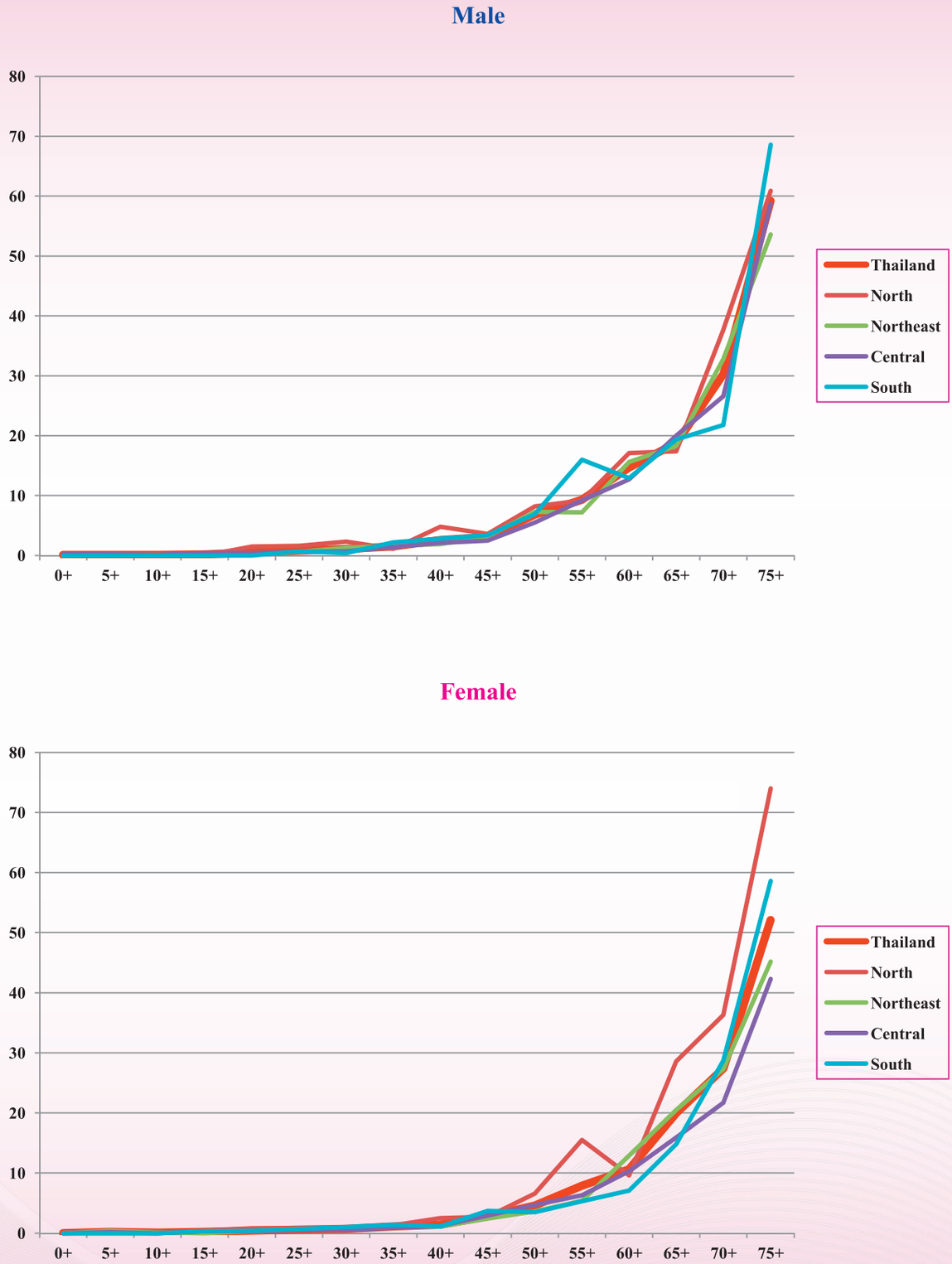
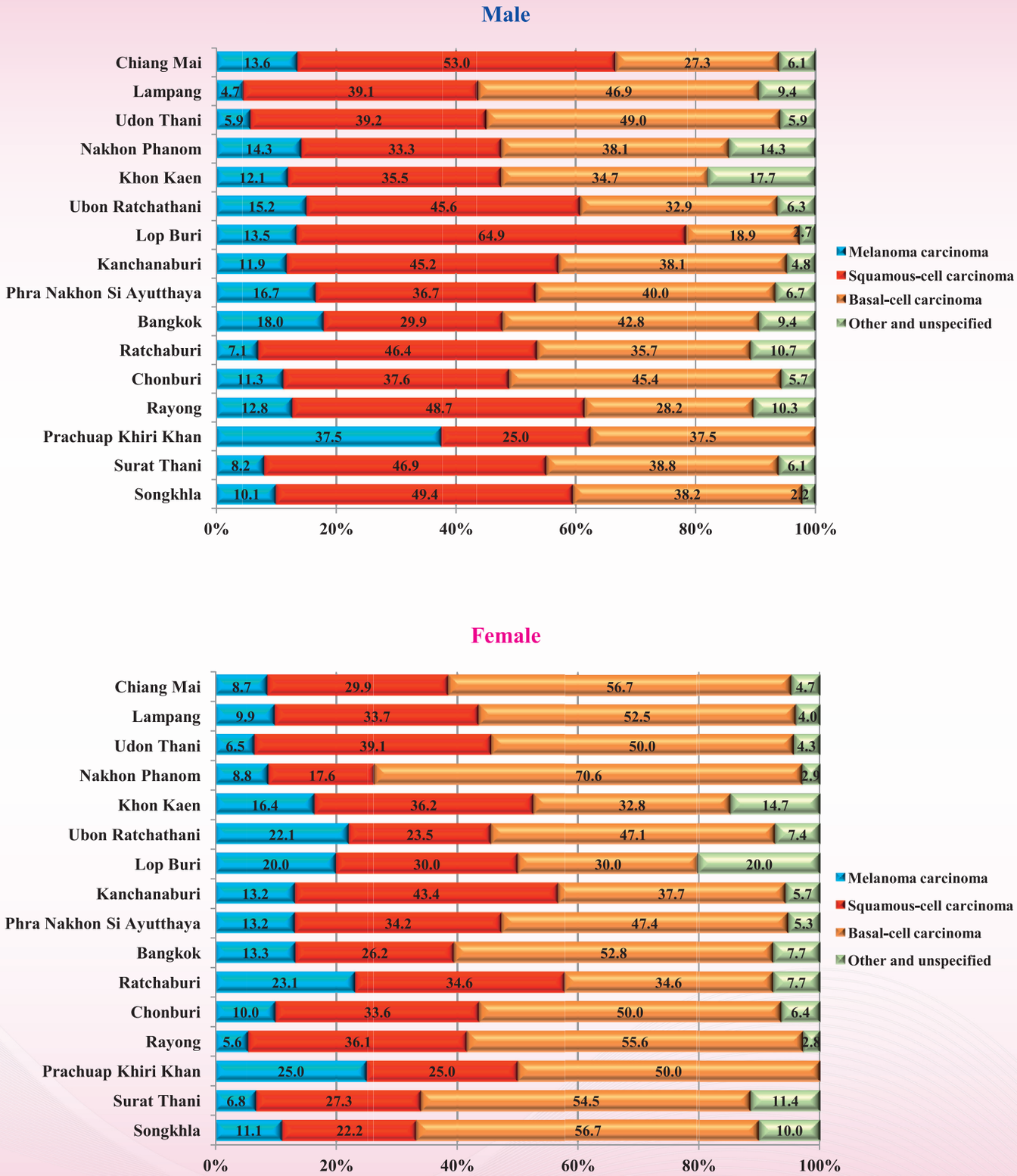


Figure 2.12.3 Histological types of skin cancer, 2004-2006



Breast

Figure 2.13.1 Breast cancer in different regions, 2004-2006

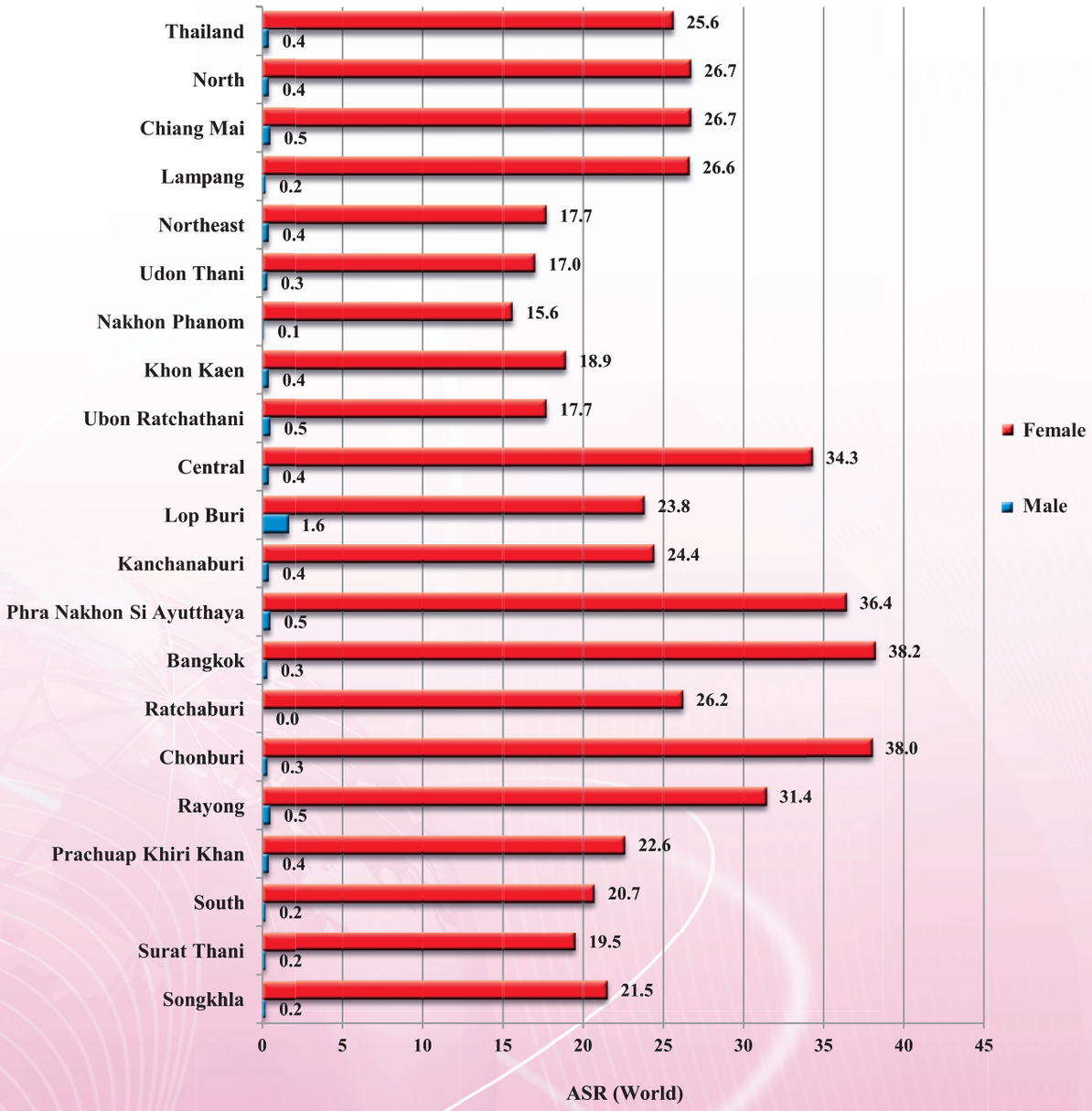


Figure 2.13.2 Age-specific incidence rates of breast cancer, 2004-2006

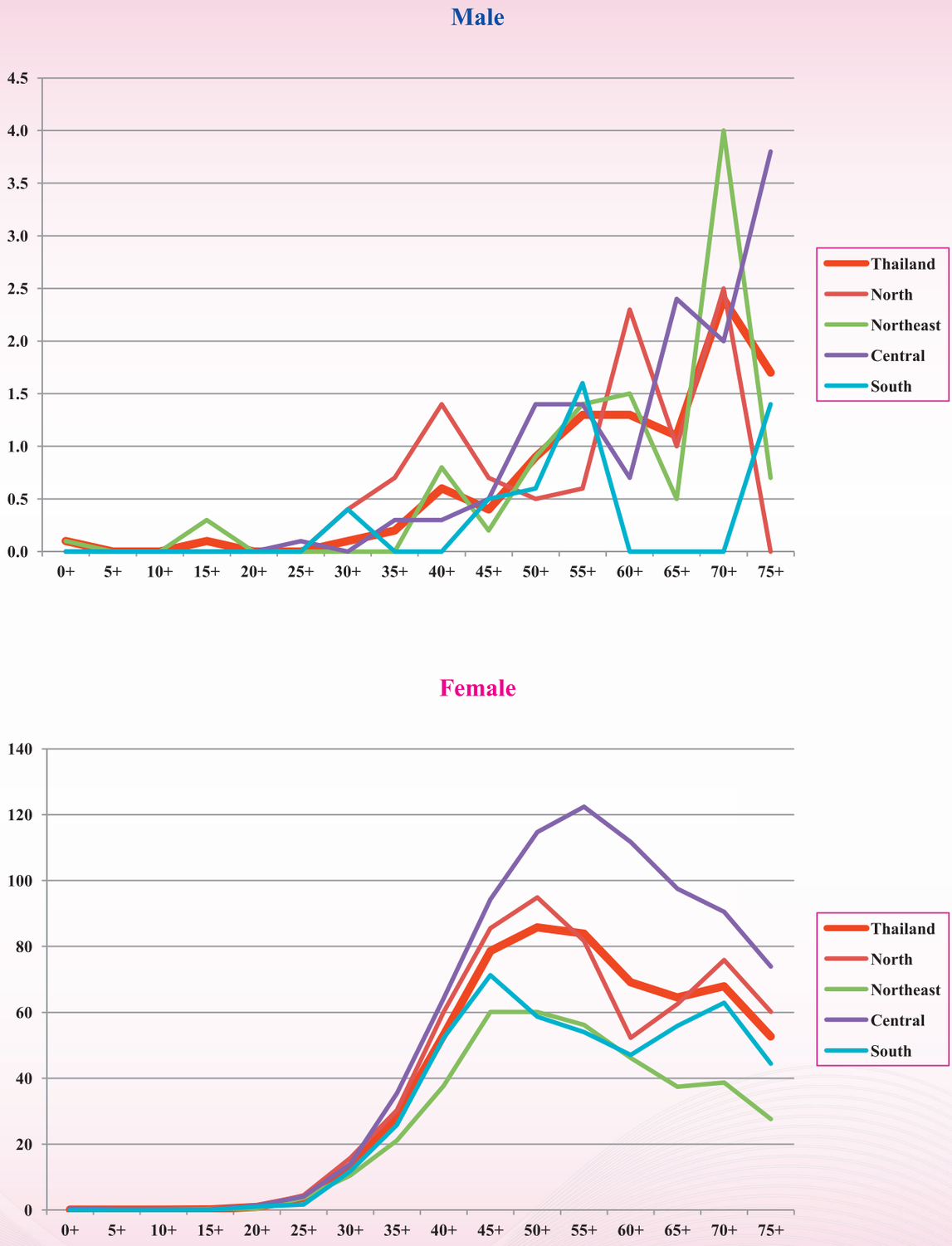


Figure 2.13.3 Histological types of breast cancer, 2004-2006

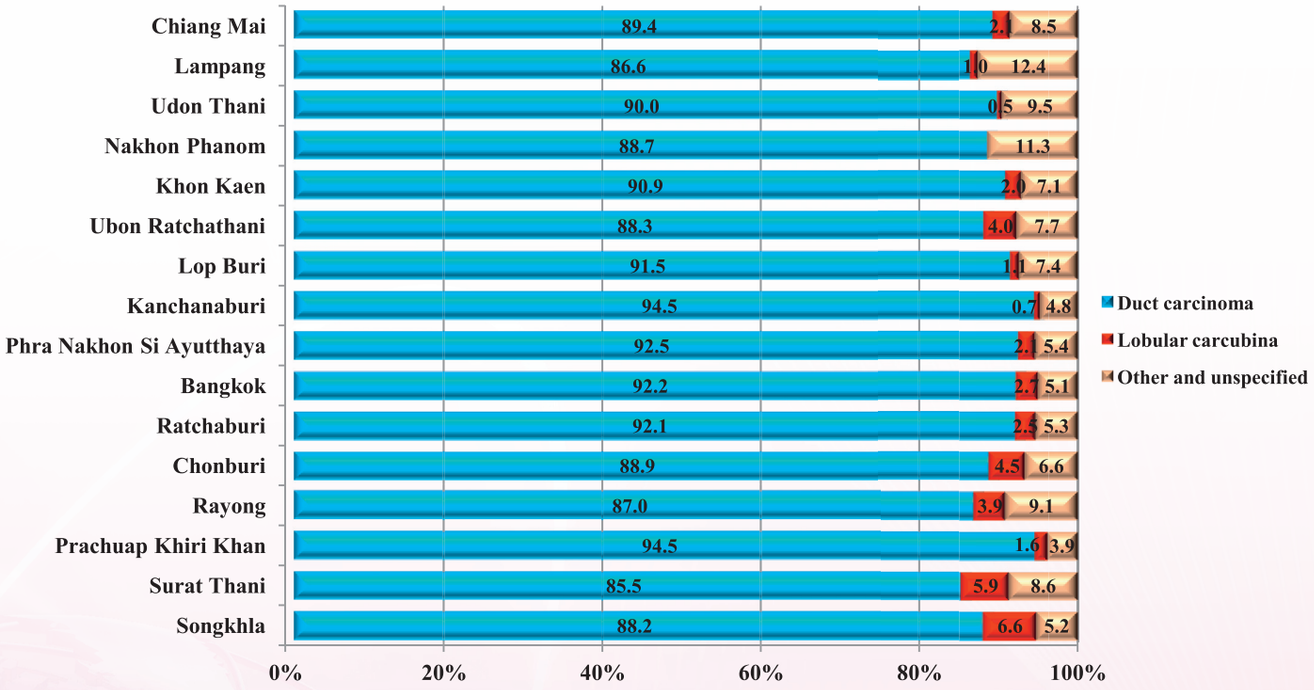
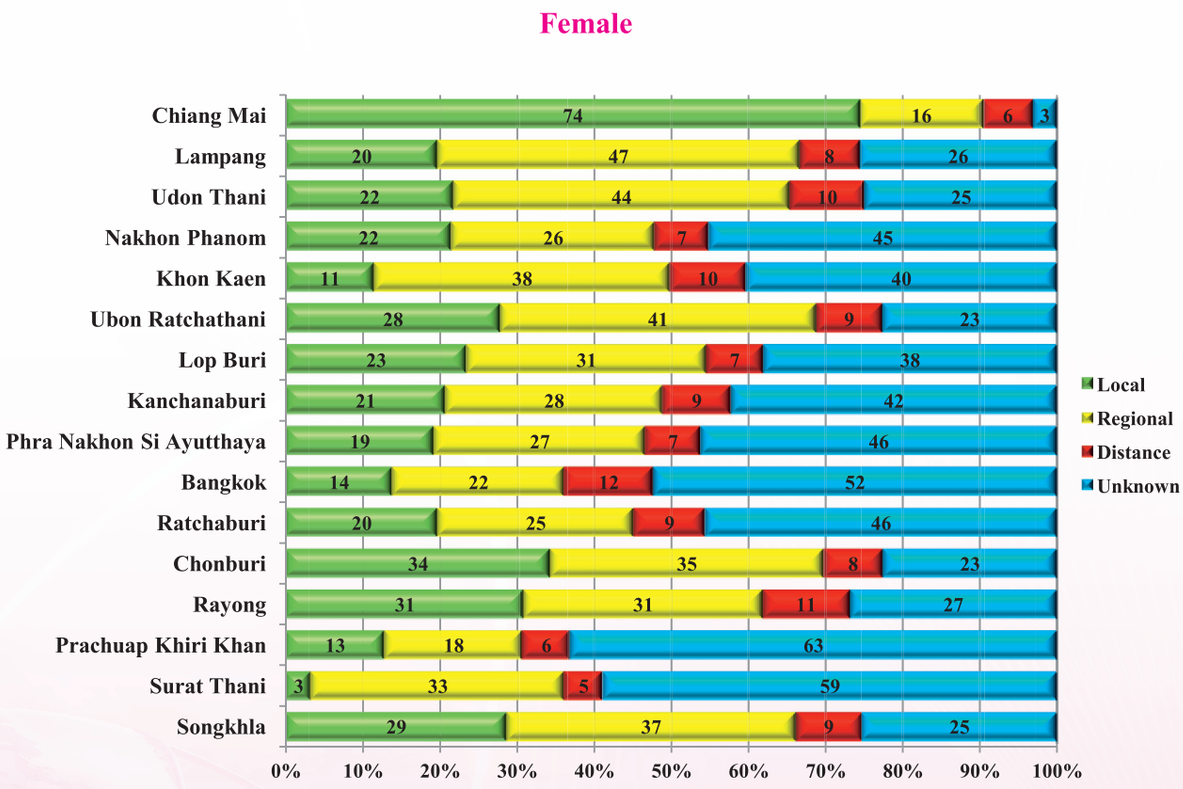


Figure 2.13.4 Stage distribution of breast cancer, 2004-2006



Cervical

Figure 2.14.1 Cervical cancer in different regions, 2004-2006

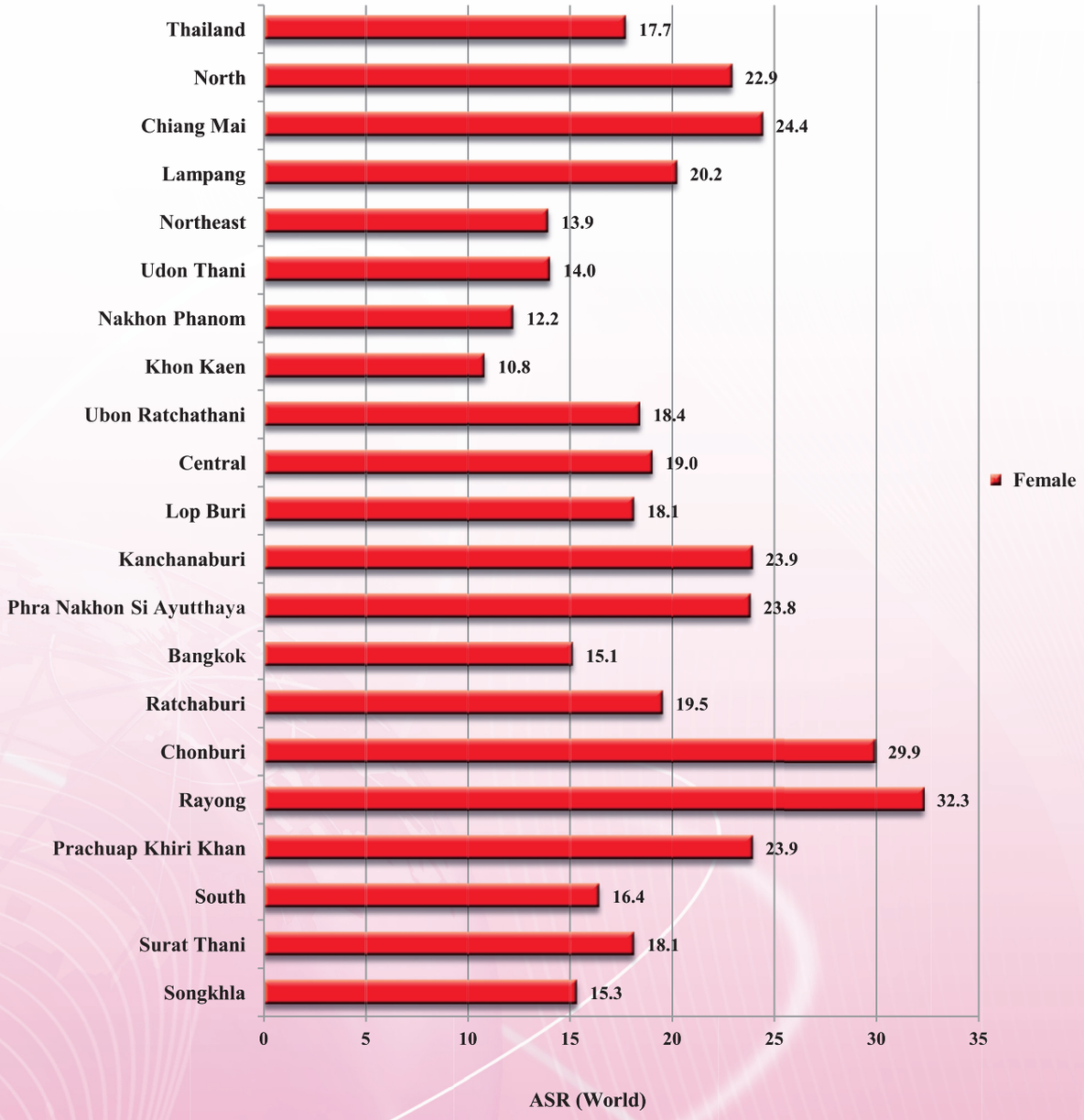


Figure 2.14.2 Age-specific incidence rates of cervical cancer, 2004-2006

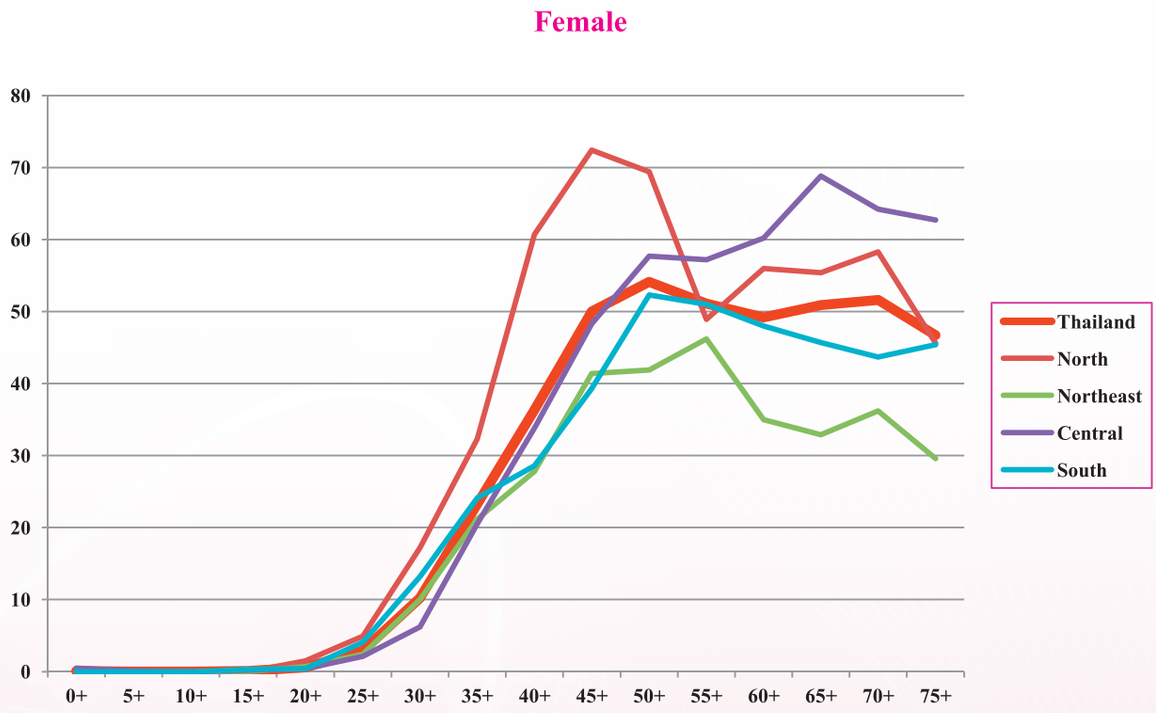


Figure 2.14.3 Cervical cancer : percentage distribution of histological types among microscopically verified, 2004-2006

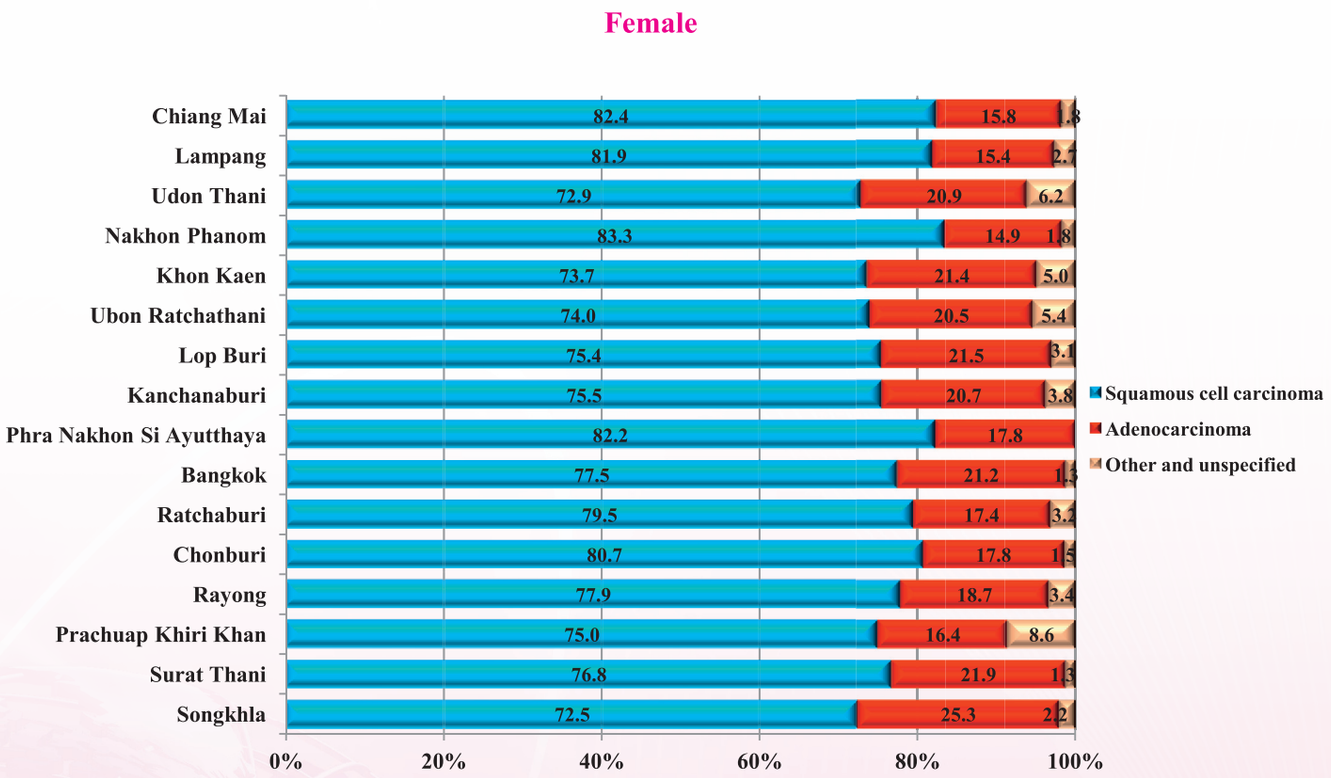
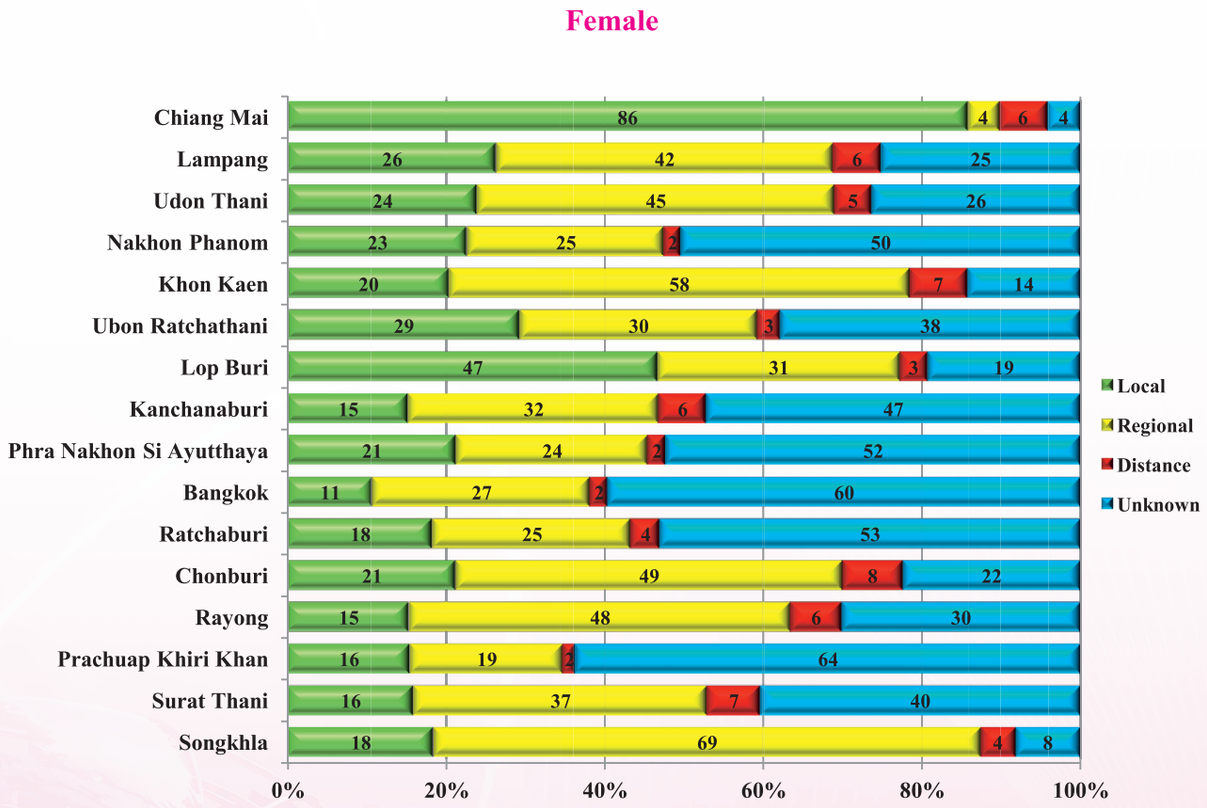


Figure 2.14.4 Stage distribution of cervical cancer, 2004-2006



Corpus Uteri

Figure 2.15.1 Corpus Uteri cancer in different regions, 2004-2006



Figure 2.15.2 Age-specific incidence rates of corpus uteri cancer, 2004-2006

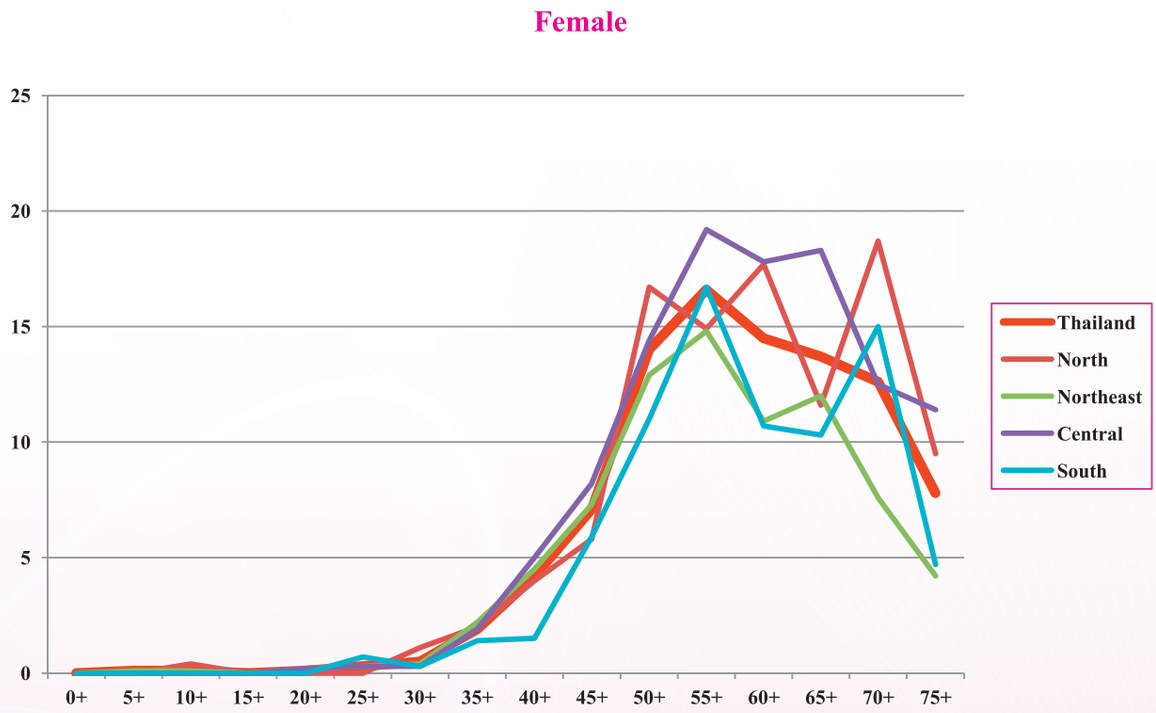
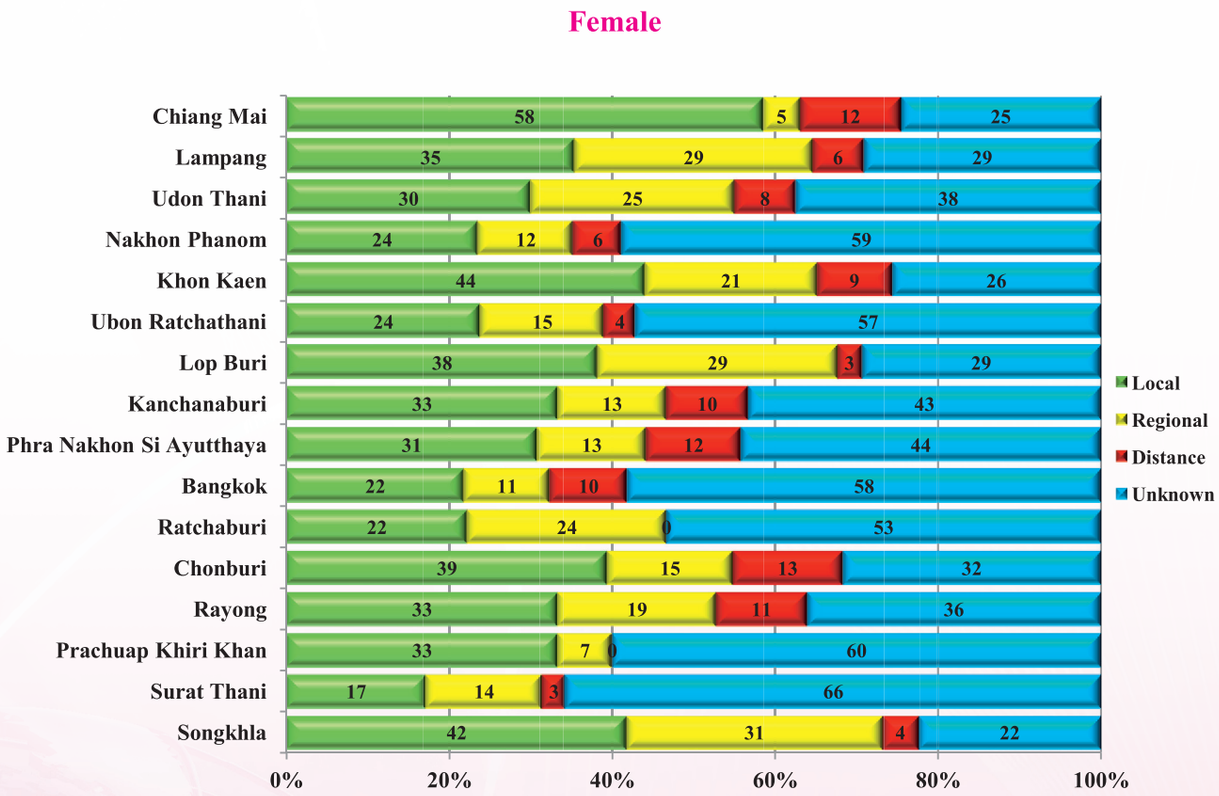


Figure 2.15.3 Stage distribution of corpus uteri cancer, 2004-2006



Ovarian

Figure 2.16.1 Ovarian cancer in different regions, 2004-2006

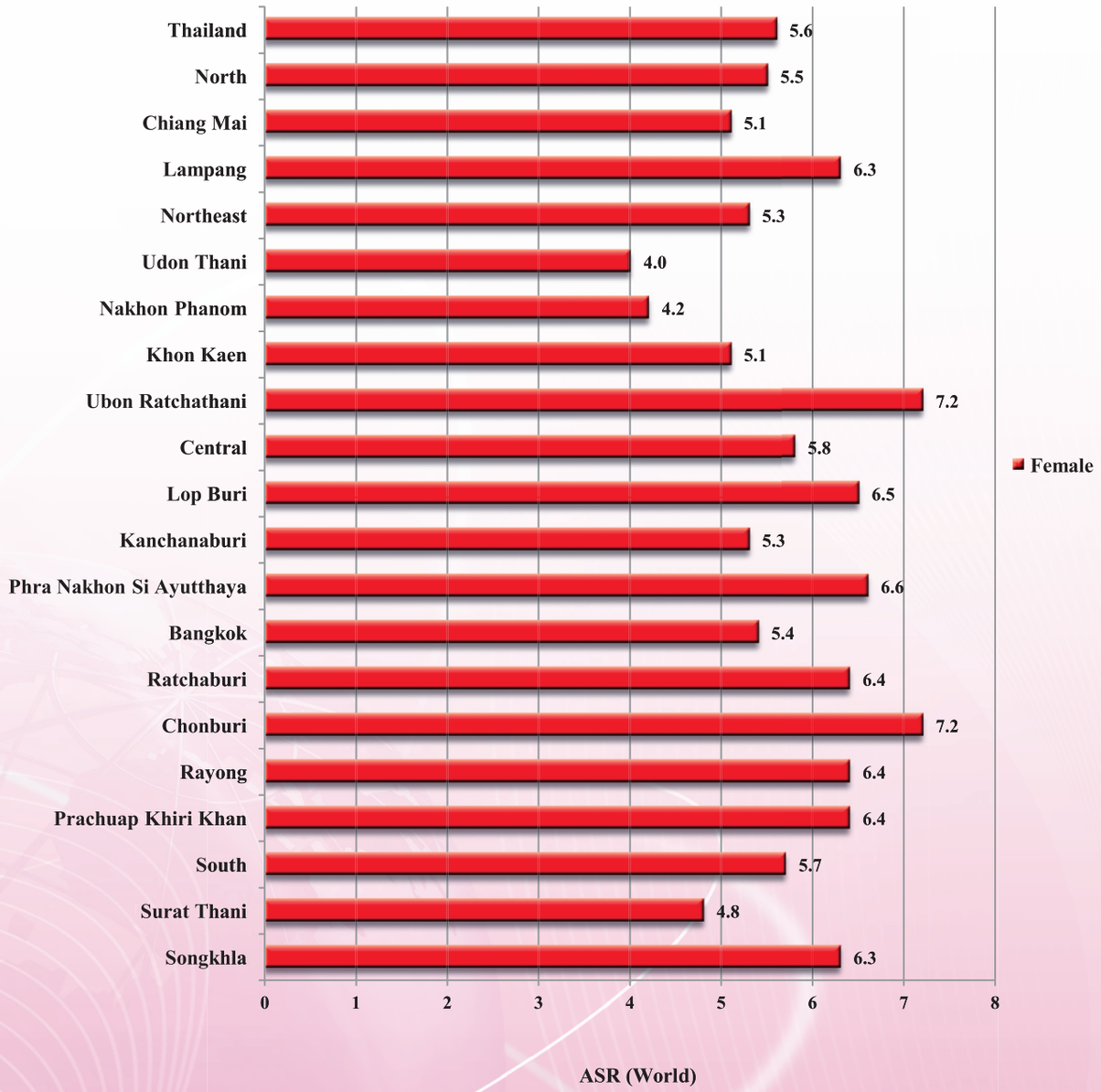


Figure 2.16.2 Age-specific incidence rates of ovarian cancer, 2004-2006

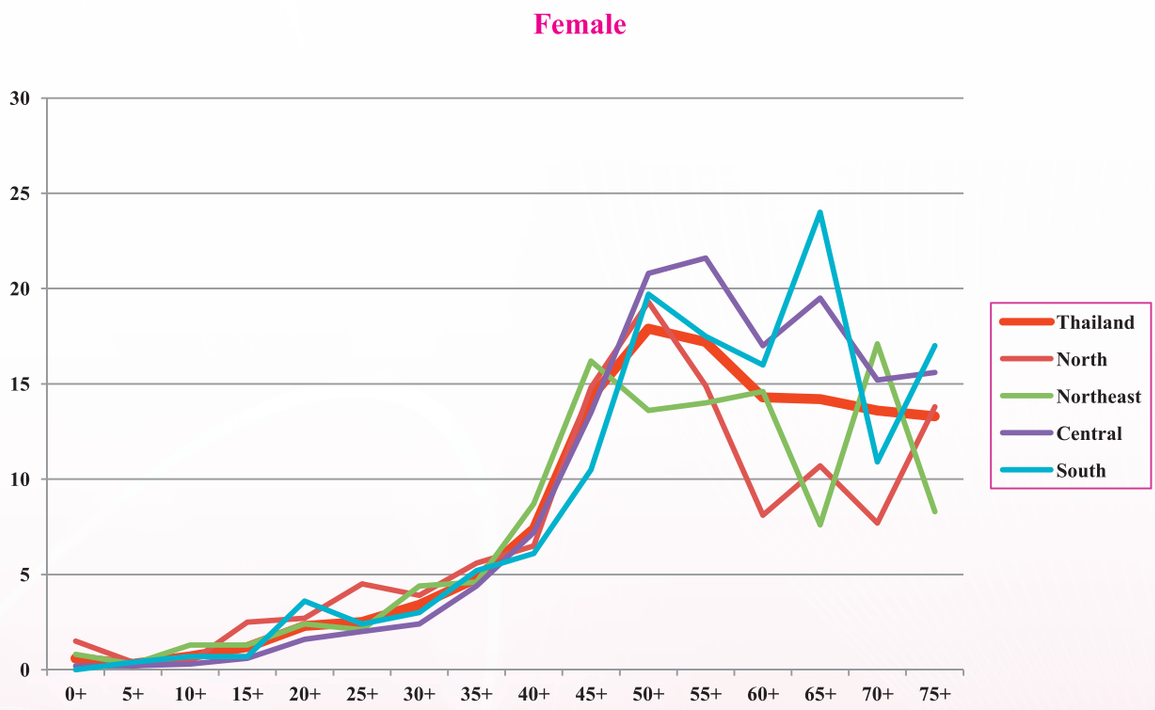


Figure 2.16.3 Histological types of ovarian cancer, 2004-2006

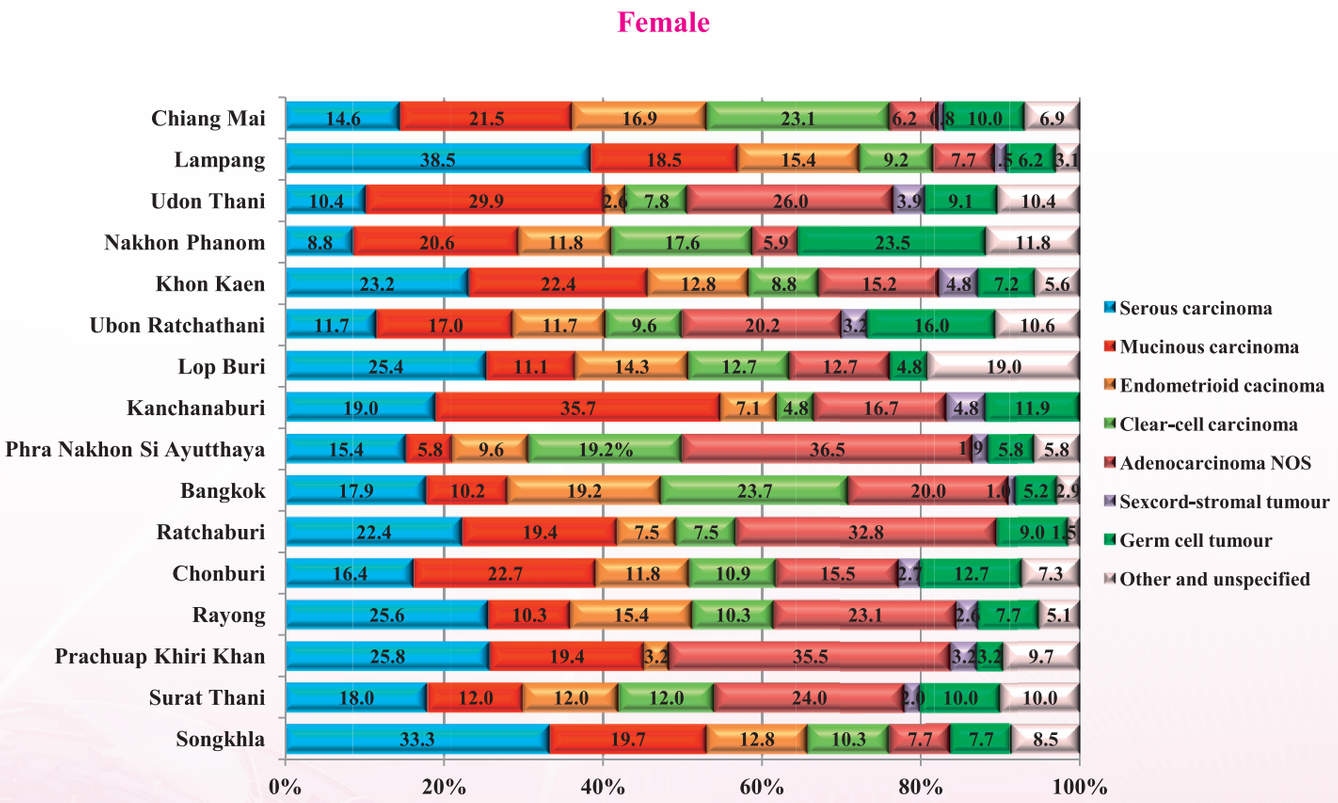
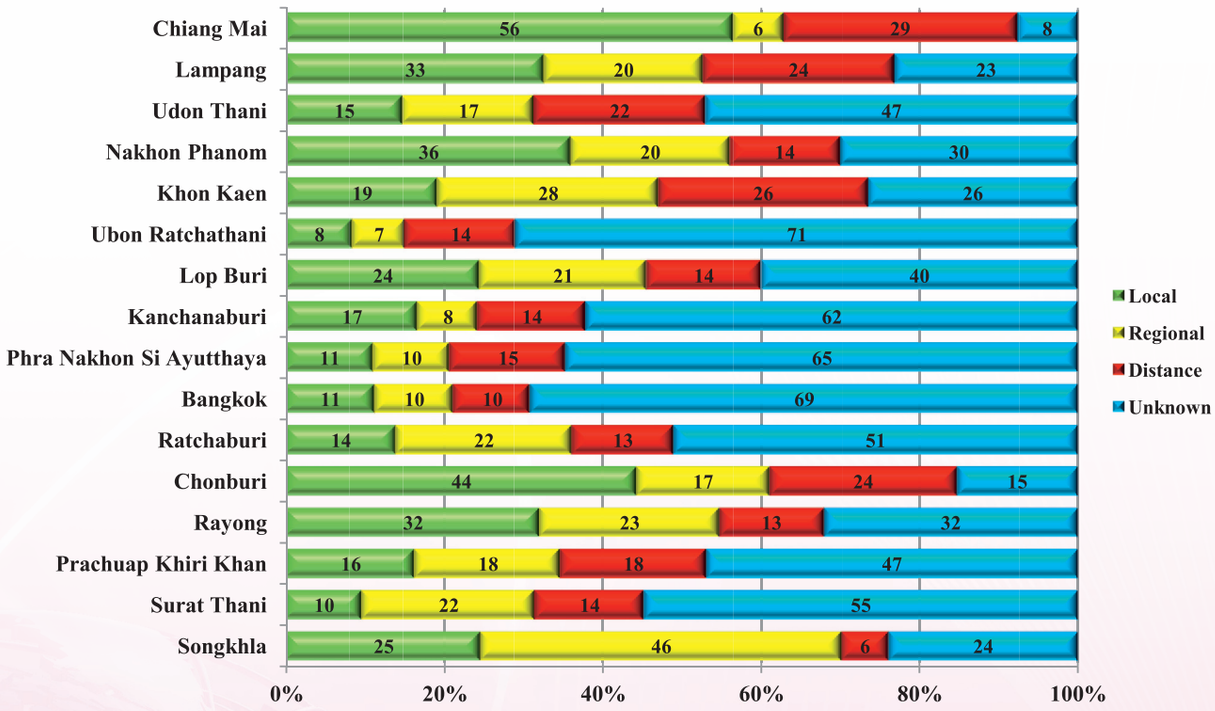


Figure 2.16.4 Stage distribution of ovarian cancer, 2004-2006

Female



Prostate

Figure 2.17.1 Prostate cancer in different regions, 2004-2006

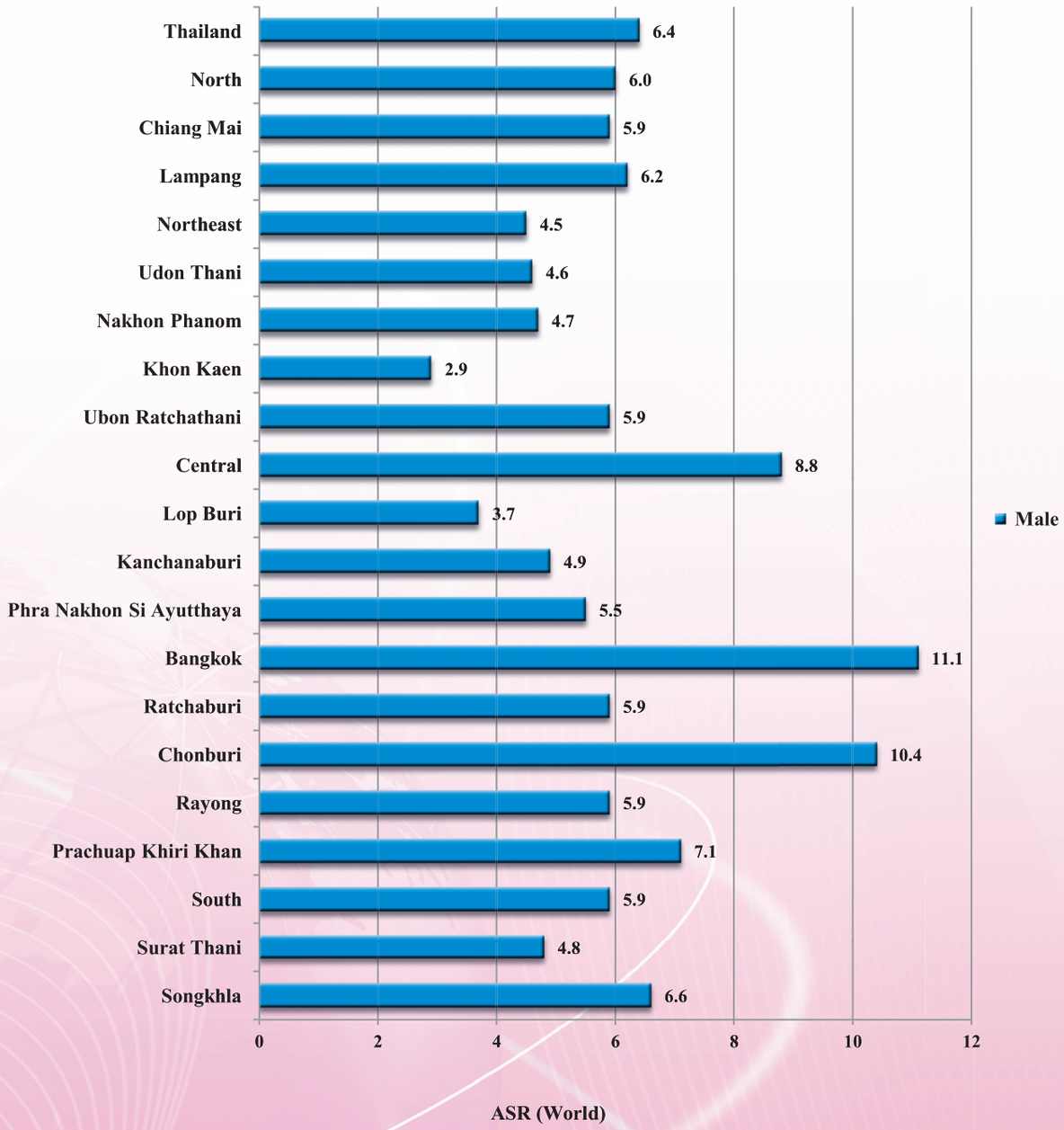
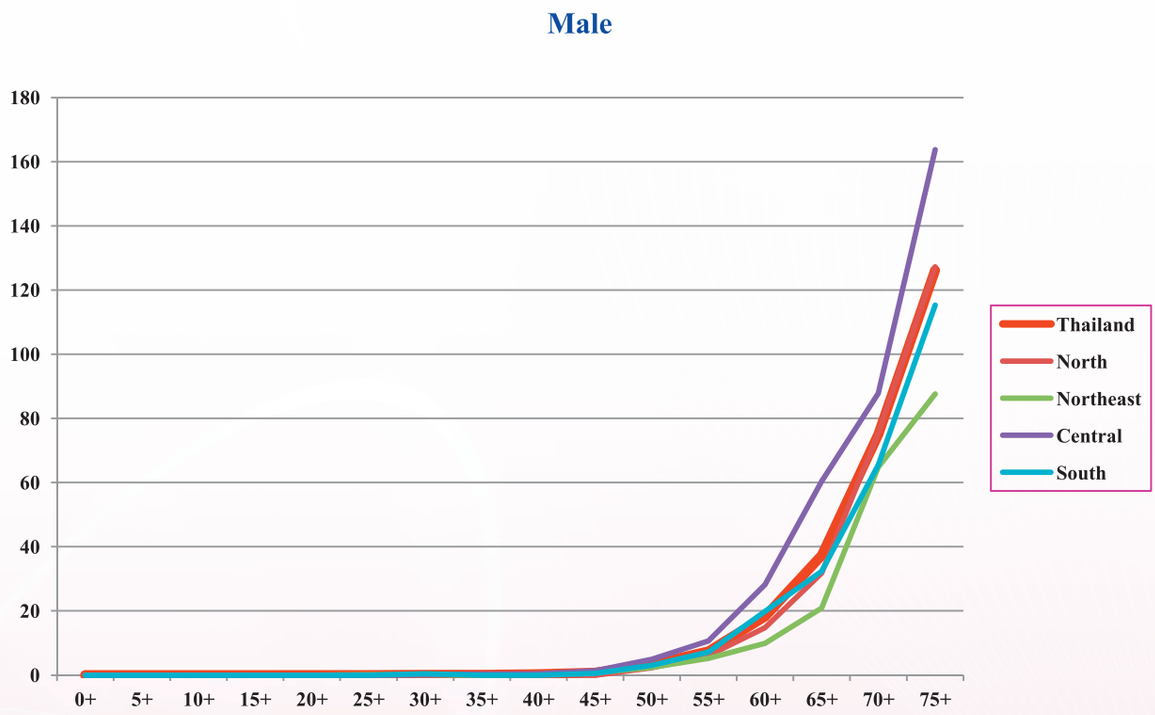


Figure 2.17.2 Age-specific incidence rates of prostate cancer, 2004-2006



Urinary bladder

Figure 2.18.1 Urinary bladder cancer in different regions, 2004-2006

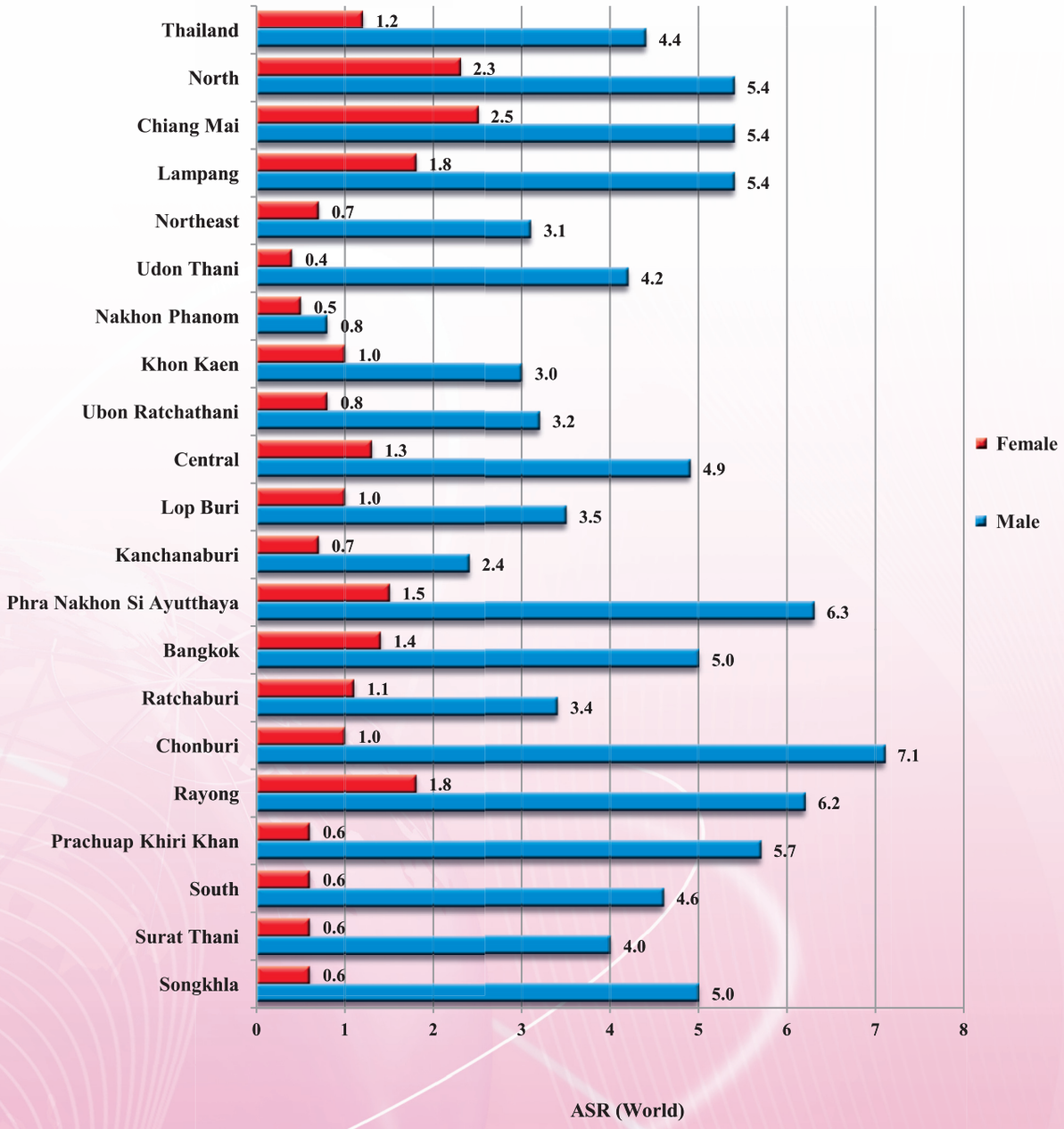
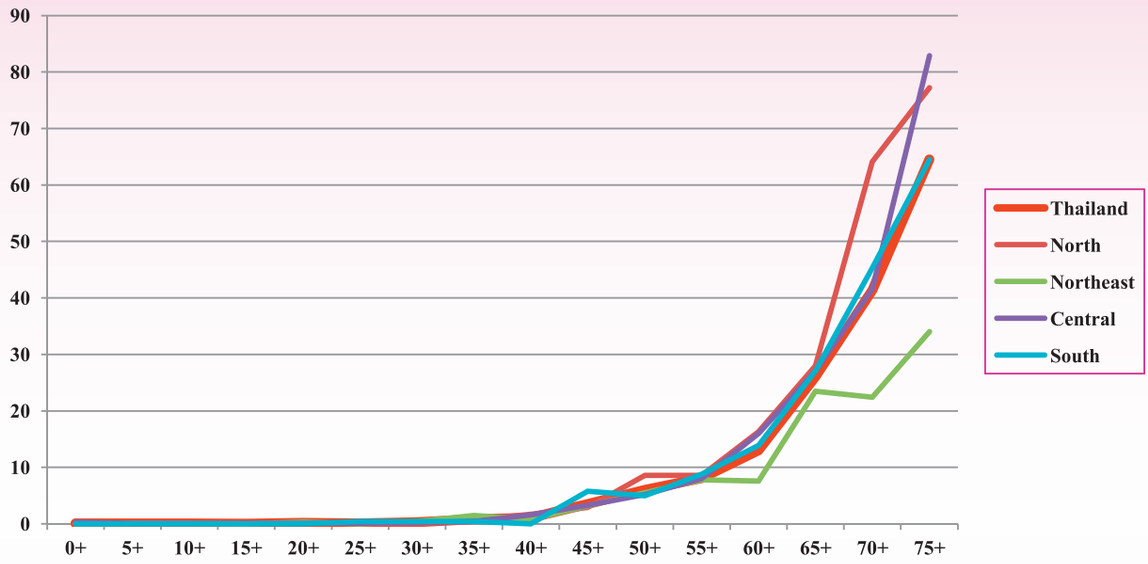


Figure 2.18.2 Age-specific incidence rates of urinary bladder cancer, 2004-2006

Male



Female

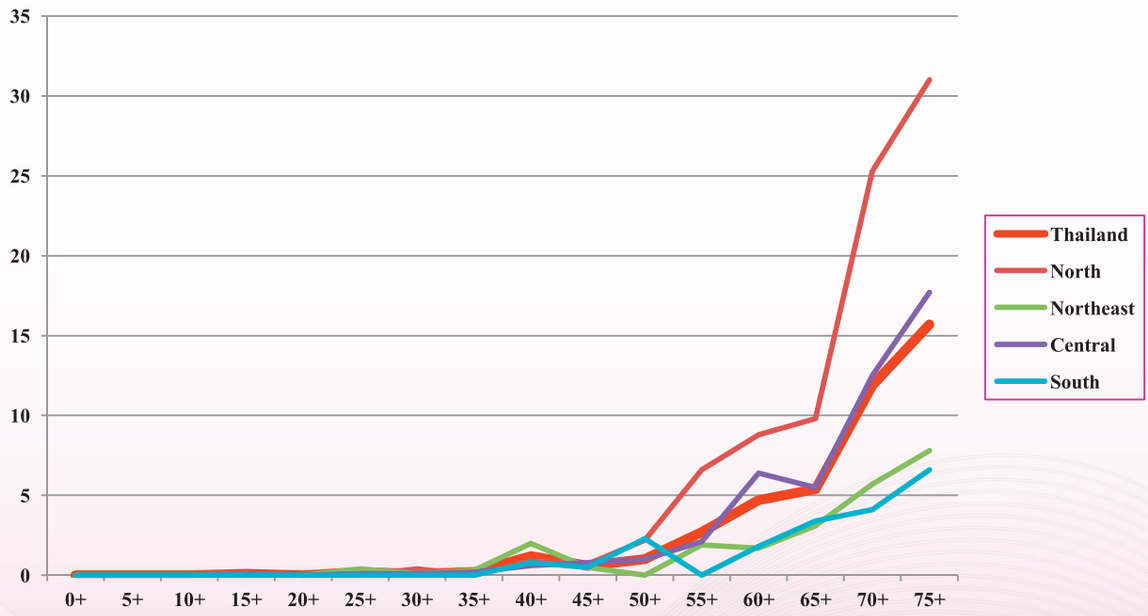
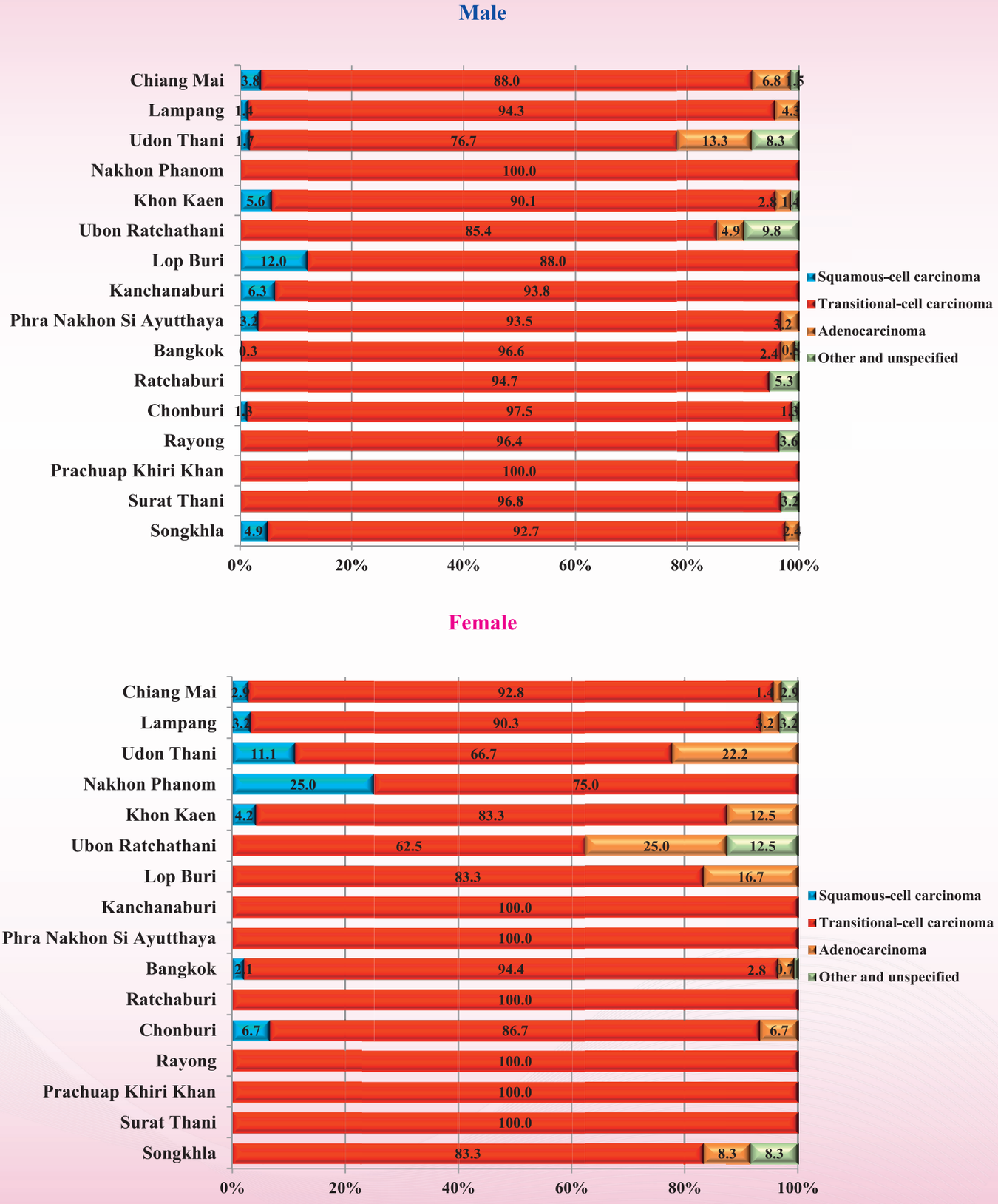


Figure 2.18.3 Histological types of urinary bladder cancer, 2004-2006



Thyroid

Figure 2.19.1 Thyroid cancer in different regions, 2004-2006

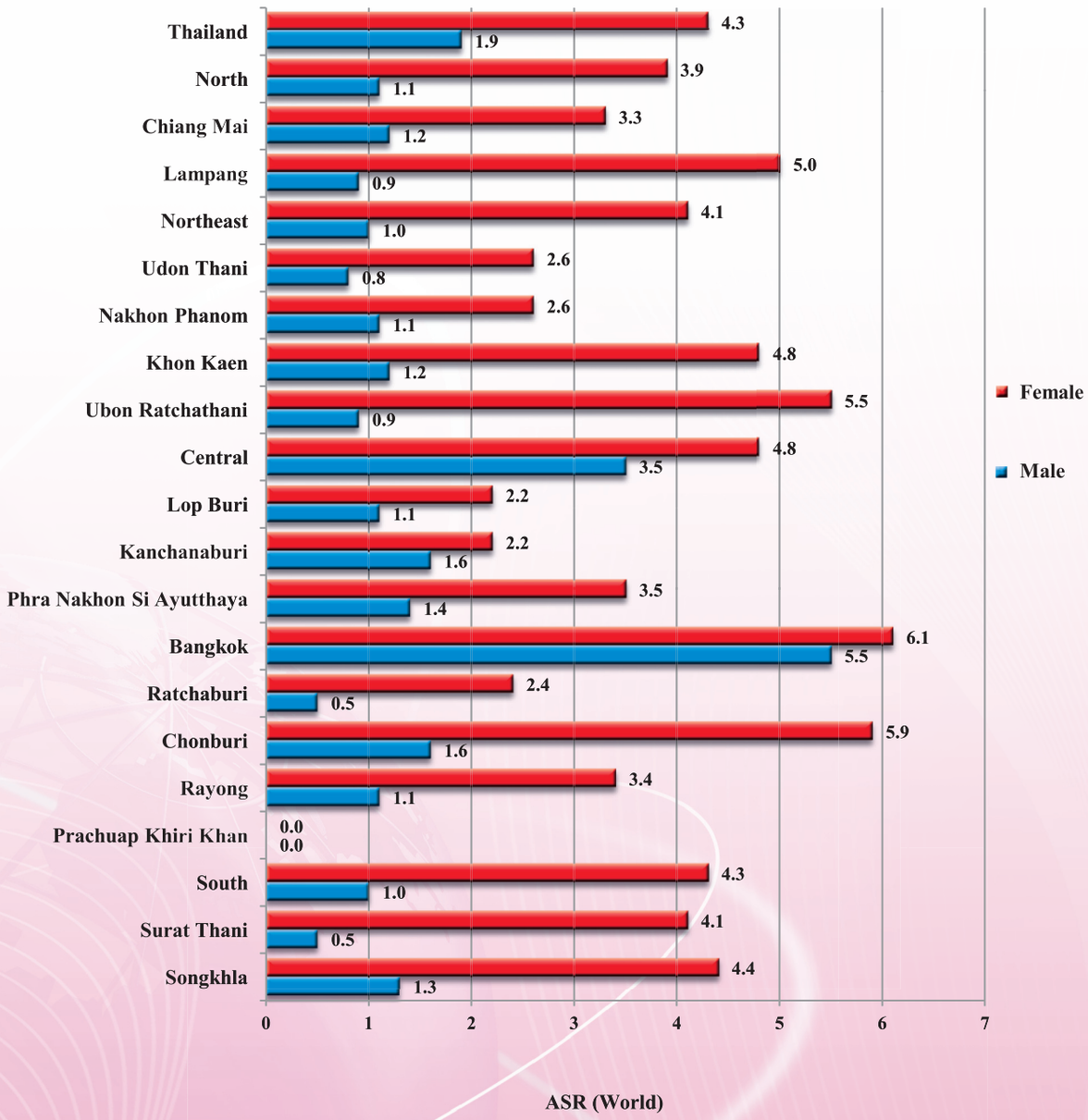


Figure 2.19.2 Age-specific incidence rates of thyroid cancer, 2004-2006

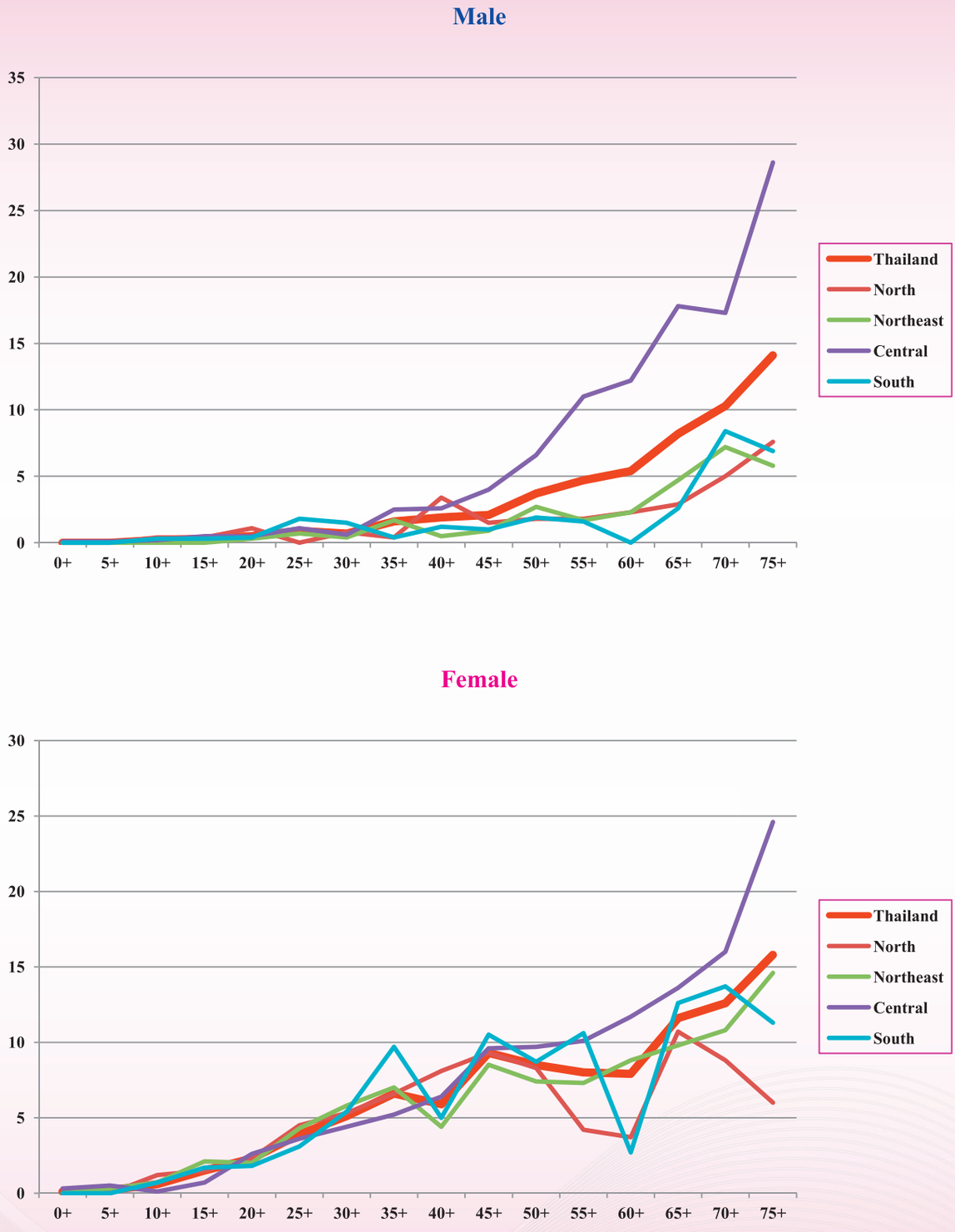
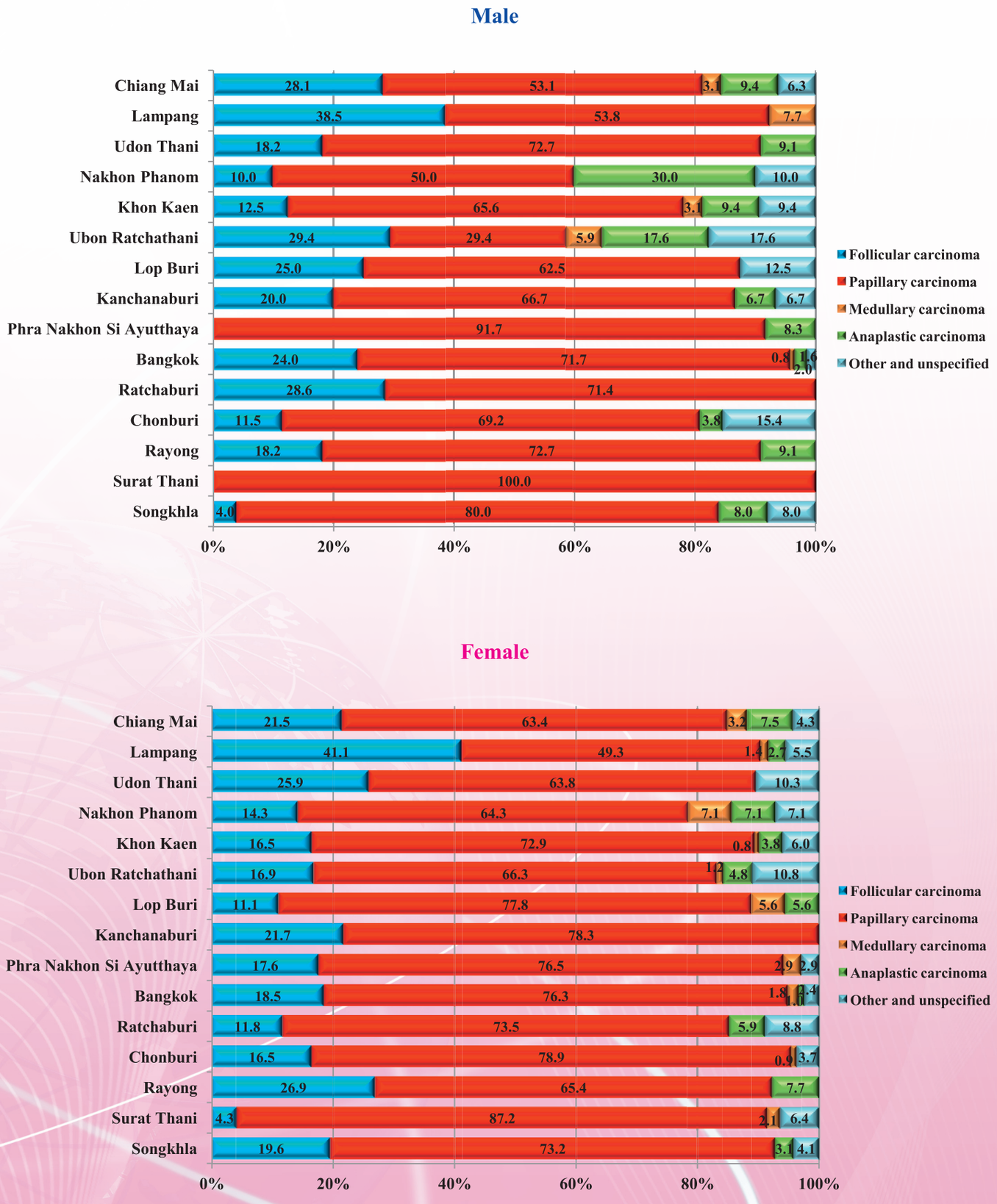


Figure 2.19.3 Histological types of thyroid cancer, 2004-2006



Lymphoma

Figure 2.20.1 Non Hodgkin lymphoma cancer in different regions, 2004-2006

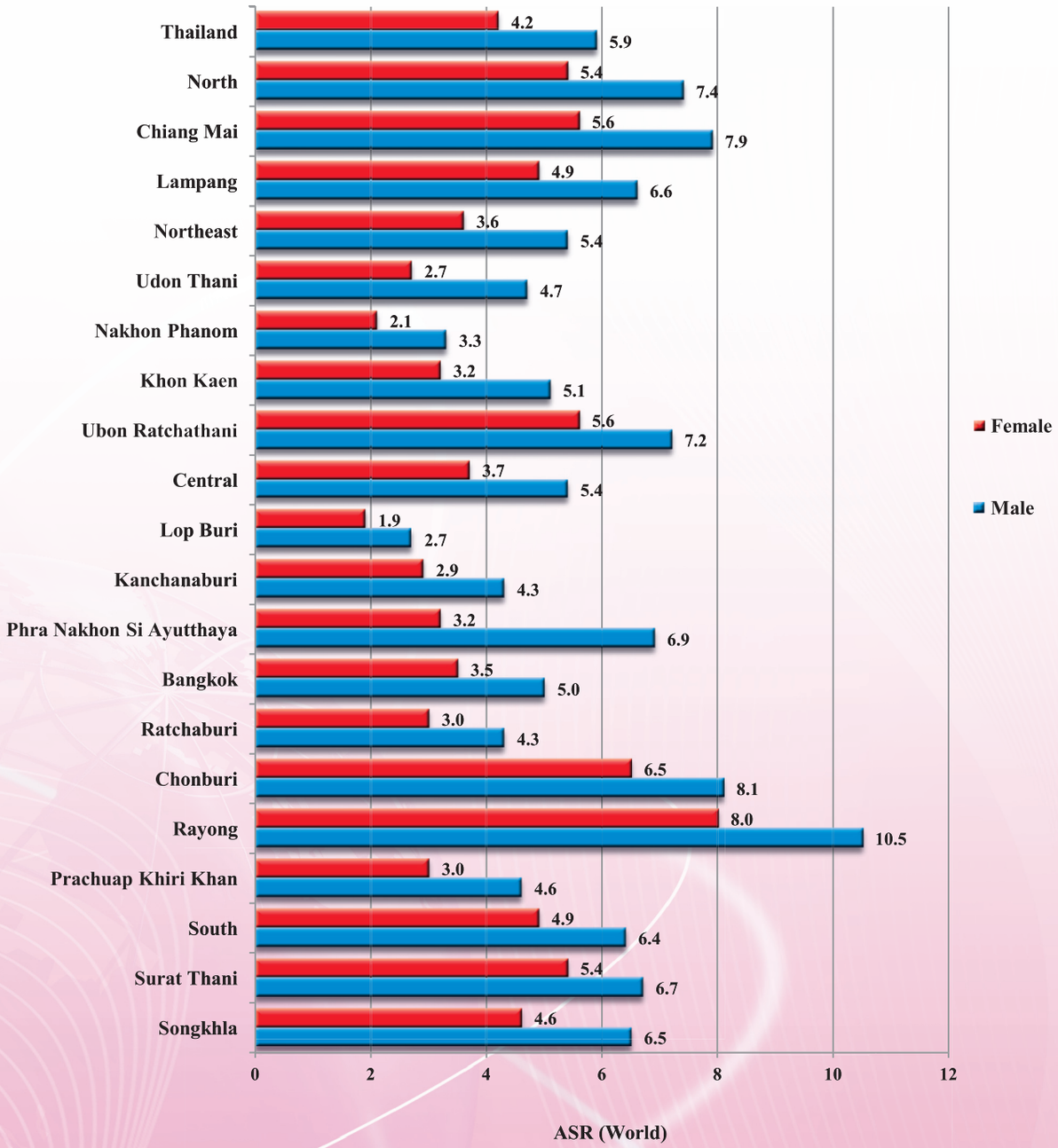
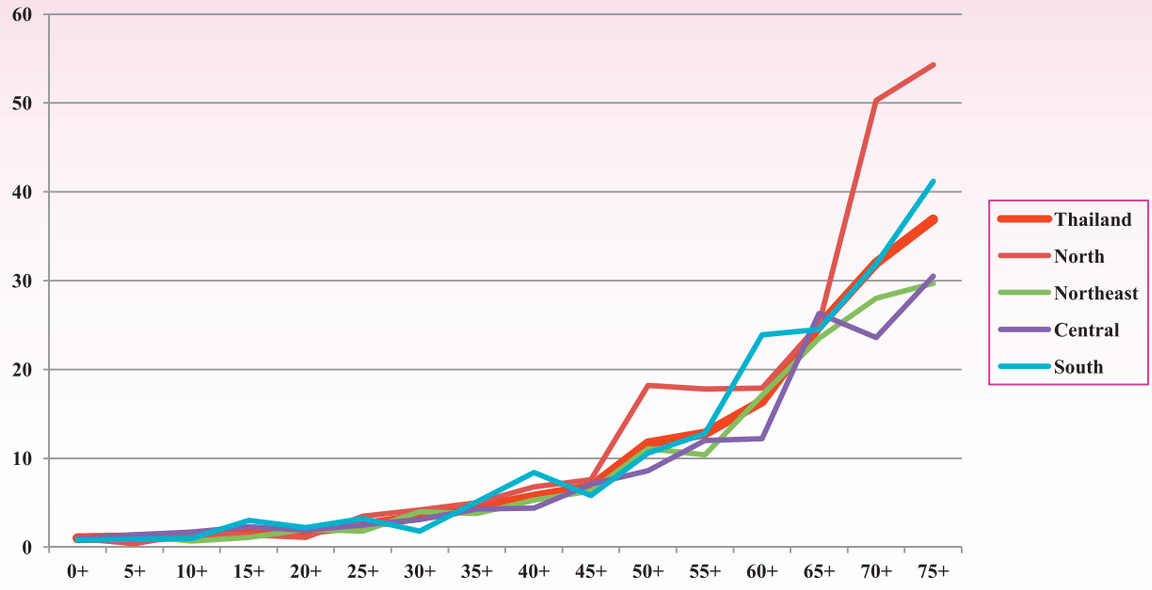
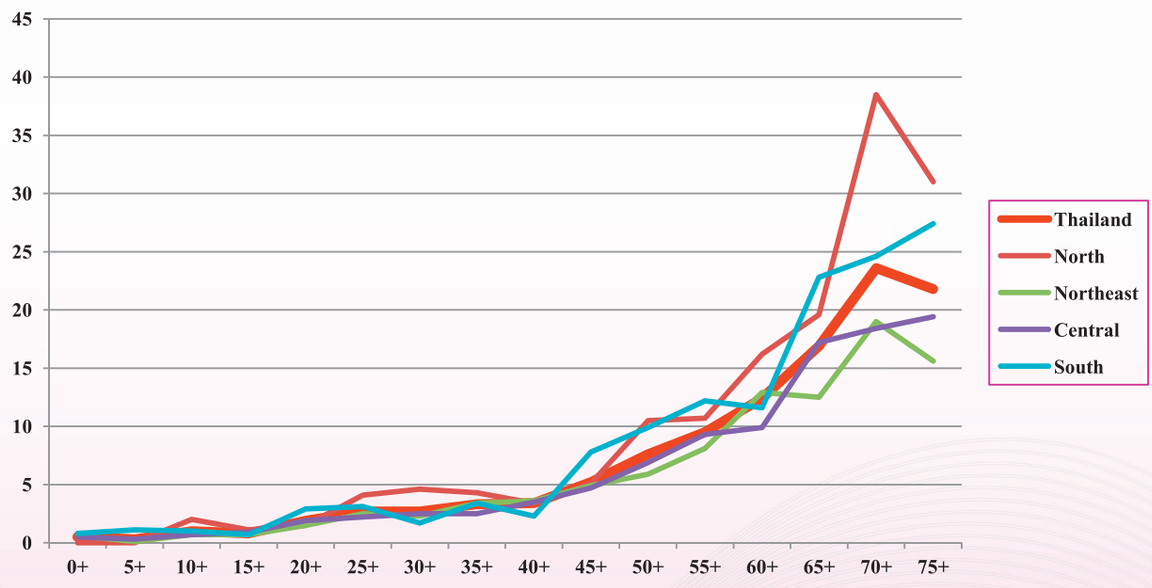


Figure 2.20.2 Age-specific incidence rates of Non Hodgkin lymphoma cancer, 2004-2006

Male



Female



Leukemia

Figure 2.21.1 Leukemia cancer in different regions, 2004-2006

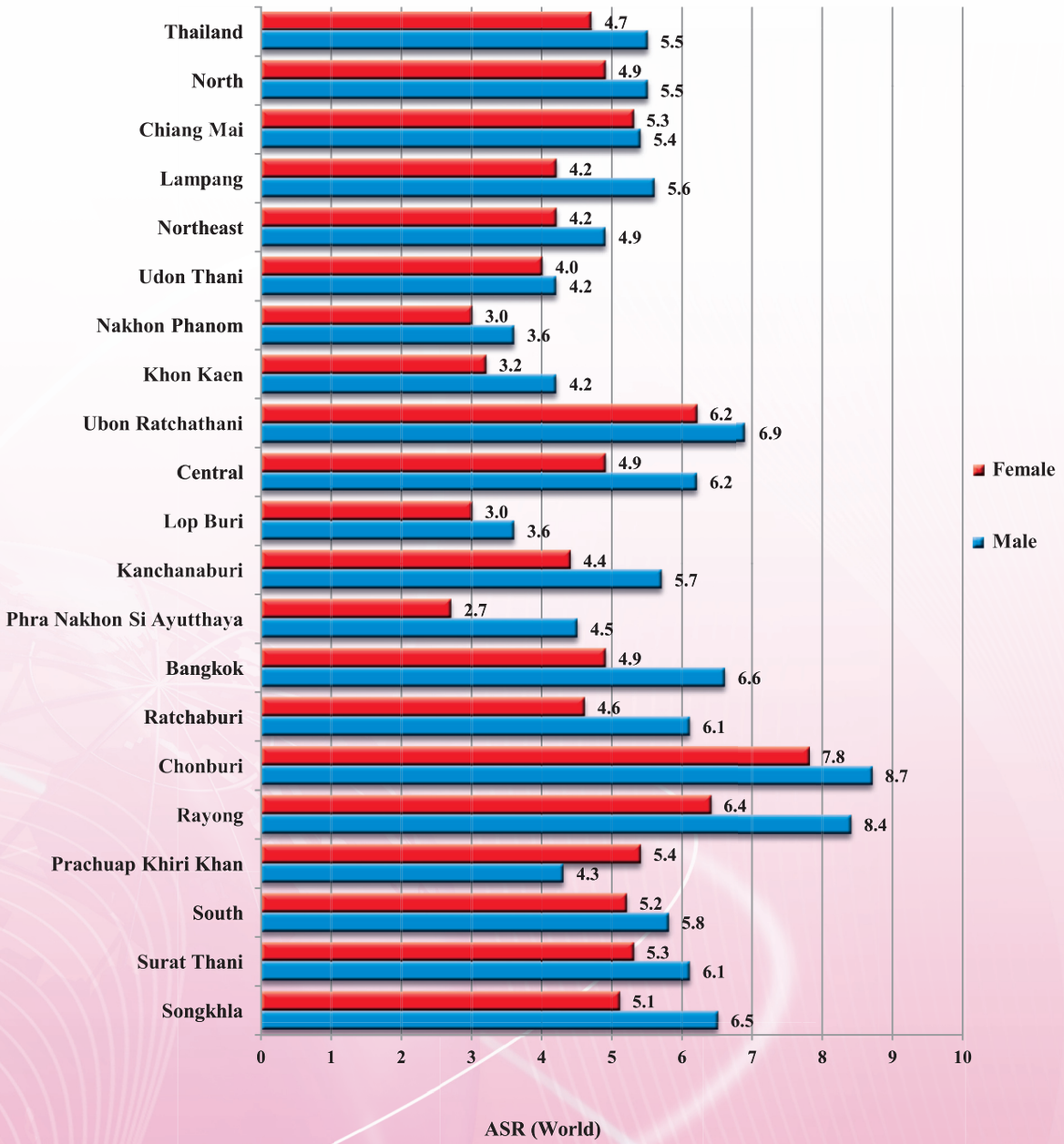


Figure 2.21.2 Age-specific incidence rates of leukemia cancer, 2004-2006

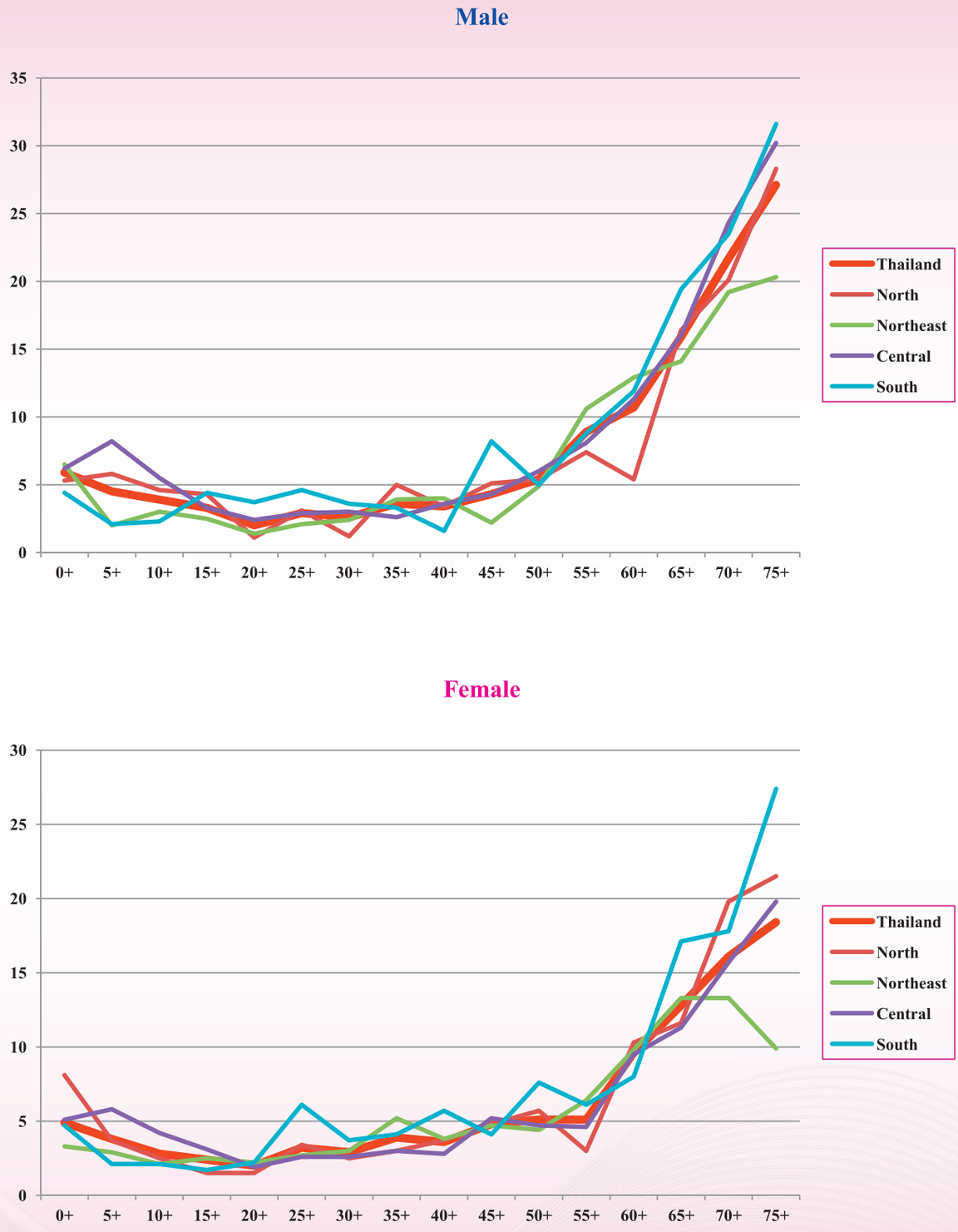
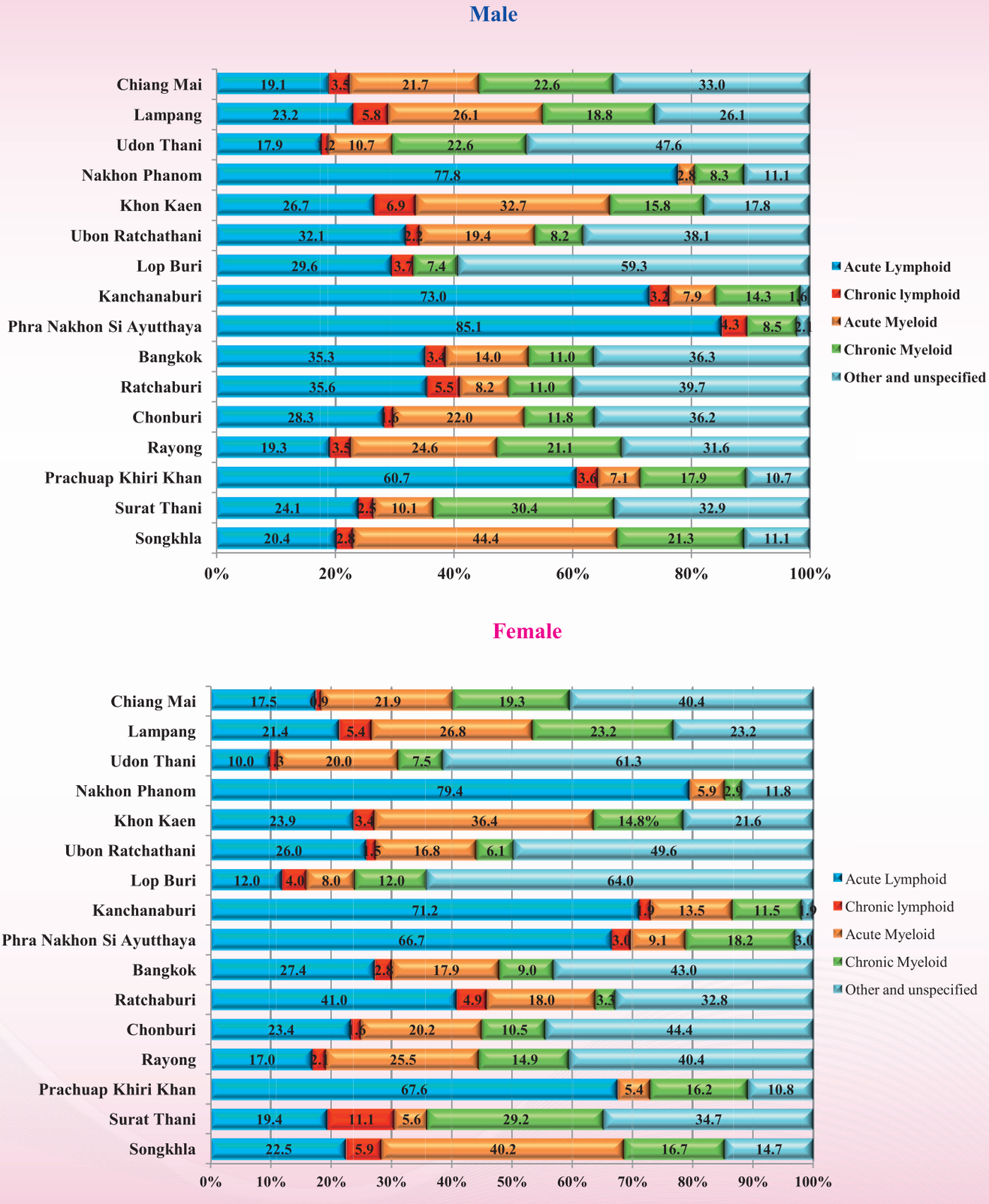


Figure 2.21.3 Histological types of leukemia cancer, 2004-2006



Chapter III

Chiang Mai Cancer Registry
Lampang Cancer Registry
Udon Thani Cancer Registry
Nakhon Phanom Cancer Registry
Khon Kaen Cancer Registry
Ubon Ratchathani Cancer Registry
Nakhon Ratchasima Cancer Registry
Lop Buri Cancer Registry
Kanchanaburi Cancer Registry
Phra Nakhon Si Ayutthaya Cancer Registry
Pathum Thani Cancer Registry
Bangkok Cancer Registry
Ratchaburi Cancer Registry
Chon Buri Cancer Registry
Rayong Cancer Registry
Prachuap Khiri Khan Cancer Registry
Surat Thani Cancer Registry
Songkhla Cancer Registry



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Chiang Mai Cancer Registry

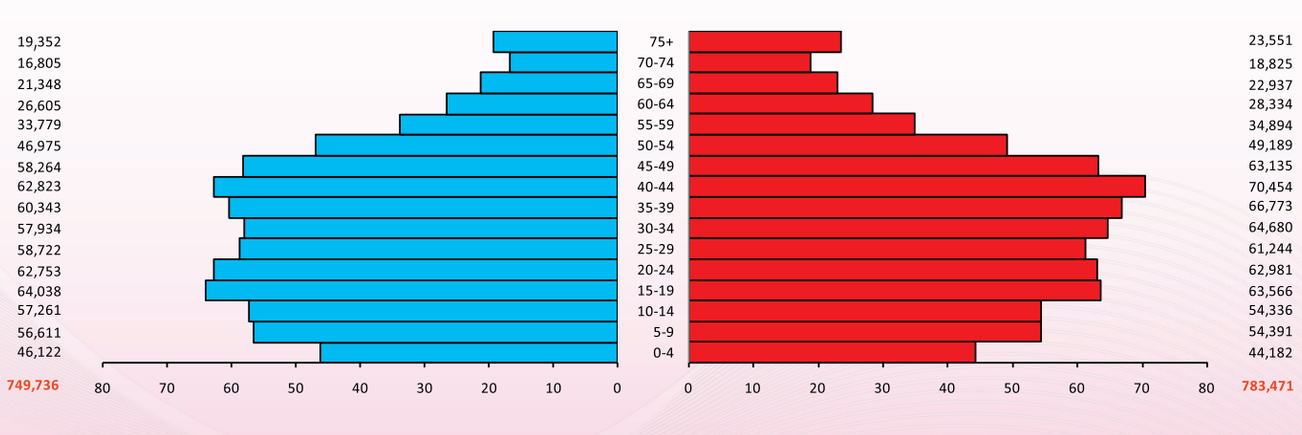
Registration area

Chiang Mai province is the second largest in Thailand, famous for its situation in the mountainous upper part of the north of Thailand. It is 310 meters above sea level at latitude 16-18 N and longitude 99 E. To the north of Chiang Mai is the country of Myanmar. The land area is 20,107 square kilometers, divided into 22 districts and 2 sub-districts. In the year 2005 the population of Chiang Mai was 1,533,206 of which 783,471 were females and 749,735 were males (1). The most crowded district was Mueang district. The population is mainly Thai, but others include Chinese, and hill tribe minority groups.

The geography of Chiang Mai is a plain surrounded by high mountains that tend to collect polluting agents. Eighty percent of the population in Chiang Mai are farmers who grow rice, onions, longans, lychees, oranges, etc. (www.Chiang Maipol.net / webengwebChiangmai)



Population pyramid, Chiang Mai, 2005



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Cancer care facilities

General health care in Thailand is mainly provided by the government. In each district of Chiang Mai, there is one community hospital with network health care facilities except for Mae Rim district. In the urban area (Mueang district) of Chiang Mai, there are 1 university hospital, 1 municipal hospital, 3 military hospitals and 9 private hospitals. The total number of hospital beds in Chiang Mai was 9,180 beds with 1,167 doctors in the year 2002. Most of the cancer cases are referred to provincial, university or big private hospitals which can provide surgery and chemotherapy. Radiotherapy can be performed only in Chiang Mai University Hospital.

Registry procedures

The cancer unit, Faculty of Medicine, Chiang Mai University has been maintaining a hospital-based cancer registry since 1963. Data on cancer patients are now collected actively from every hospital in Chiang Mai. The data of Chiang Mai residents are extracted from the hospital based cancer registry of Chiang Mai University hospital. The registry personnel visit every hospital in Chiang Mai to review the medical records of cancer patients to fill the registration forms. Lists of pathological diagnoses from every pathological center in Chiang Mai are also explored for cancer cases. The case record form includes the patient's demography, date of diagnoses, tumor site, histology, extent of disease, method of diagnosis and treatment modalities. Follow-up is also conducted to update the patients' status as dead or alive. ICD-O version 3 is used in coding of the primary sites of tumor and histology types. The record forms are reviewed by a surgeon who is the chief of the cancer registry.

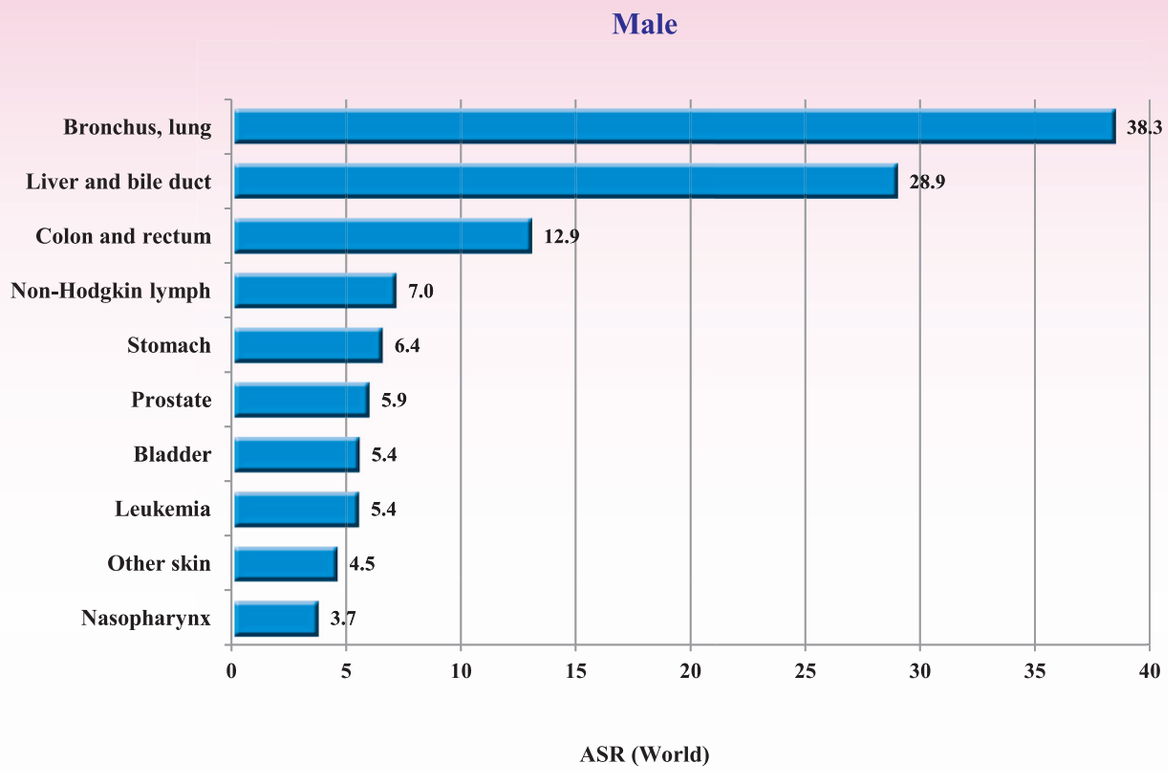
All data are checked for duplication, verified, coded and keyed into a fox-based program and converted to the Canreg-3 program. Death certificates specifying cancer are collected from the website of the office of the Ministry of Interior. The information is matched with the existing records, unmatched cases being registered as death certificate only (DCO).

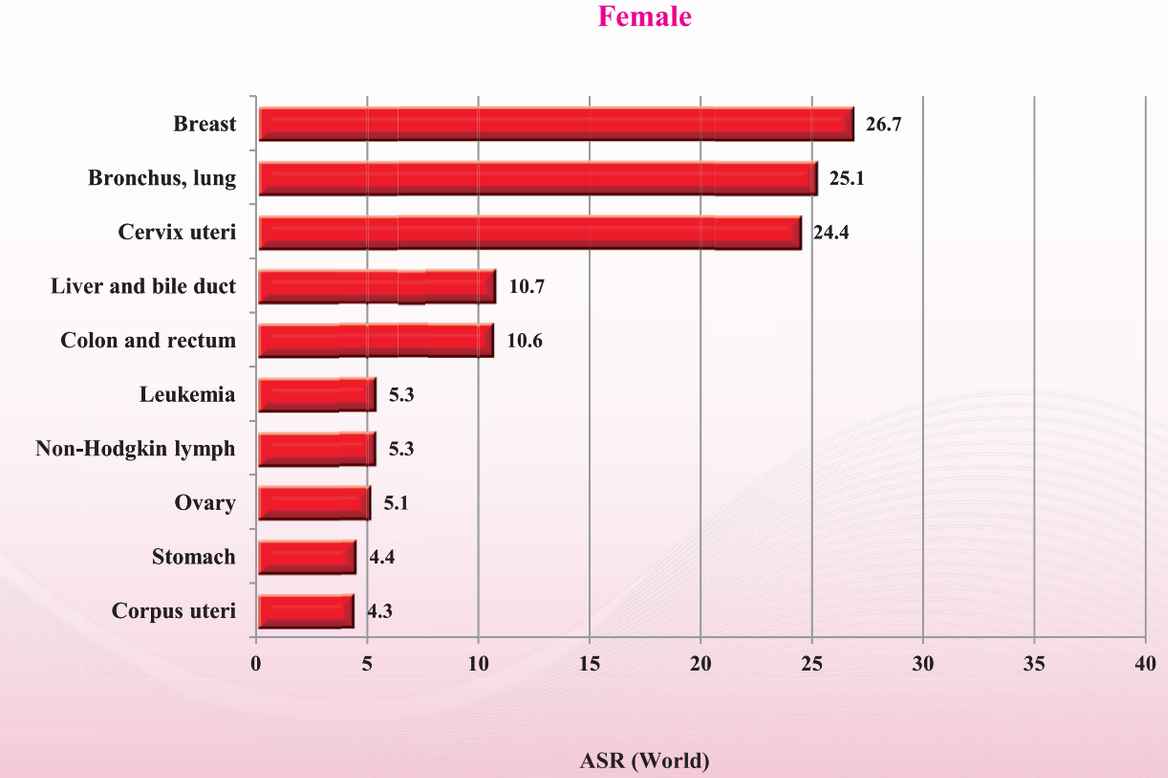
Summary of results

New cases registered in 2004-2006, 3,949 were males and 4,467 were females, making 8,416 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males was 156.4 per 100,000, with lung cancer ranking first (ASR = 38.3) followed by liver and bile duct (ASR = 28.9), and colon and rectum (ASR = 12.9). The ASR of all sites in females was higher than in males (ASR = 158.2), the three leading cancers being breast (ASR = 26.6), lung (ASR = 25.1) and cervix (ASR = 24.5).

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Figure 3.1 Leading cancer in Chiang Mai, 2004-2006





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Table 3.2.1 Chiang Mai (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.1	0.1	C00
Tongue	33	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.6	1.1	2.3	5.0	3.9	7.5	1.6	7.9	5.2	1.5	1.3	C01-02
Mouth	39	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.6	5.7	4.9	6.3	4.7	7.9	18.9	1.7	1.5	C03-06
Salivary glands	16	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.5	1.1	0.7	0.0	3.8	1.6	6.0	6.9	0.7	0.6	C07-08
Tonsil	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	4.0	0.0	1.0	1.3	6.2	6.0	6.9	1.0	0.8	C09
Other oropharynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	1.3	1.6	4.0	0.0	0.3	0.3	C10
Nasopharynx	93	0.0	0.0	1.2	0.0	1.1	1.1	0.6	1.1	2.1	8.0	13.5	21.7	8.8	17.2	7.9	5.2	4.1	3.7	C11
Hypopharynx	39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.8	3.9	3.8	7.8	6.0	25.8	1.7	1.5	C12-13
Pharynx unspecified	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	2.0	5.2	0.3	0.2	C14
Esophagus	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.5	3.0	2.5	12.5	15.9	8.6	1.4	1.3	C15
Stomach	166	0.0	0.0	0.0	0.0	0.5	1.1	1.7	1.7	3.7	11.4	17.7	15.8	12.5	42.2	47.6	48.2	7.4	6.4	C16
Small intestine	11	0.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.3	1.6	2.0	6.9	0.5	0.5	C17
Colon	202	0.0	0.0	0.0	0.5	1.1	2.3	1.7	6.6	3.7	9.2	12.1	21.7	25.1	32.8	65.5	75.8	9.0	7.9	C18
Rectum	127	0.0	0.0	0.0	0.5	0.0	0.0	0.0	2.8	5.3	5.1	7.1	11.8	15.0	34.4	31.7	51.7	5.6	5.0	C19-20
Anus	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7	1.0	0.0	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	746	0.0	2.4	0.6	1.6	1.1	2.8	7.5	23.2	36.1	54.9	68.8	86.8	100.2	120.2	170.6	144.7	33.2	28.9	C22,C24
Gallbladder	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	2.0	1.3	7.8	7.9	8.6	0.8	0.8	C23
Pancreas	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.8	6.9	5.0	18.7	11.9	12.1	2.0	1.8	C25
Nose, sinuses etc.	14	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.6	0.7	2.0	1.3	3.1	0.0	5.2	0.6	0.5	C30-31
Larynx	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.3	5.0	3.9	7.5	7.8	17.9	36.2	2.6	2.3	C32
Trachea, Bronchus, and lung	949	0.7	0.6	0.0	0.0	1.6	2.3	4.0	4.4	15.4	29.7	75.2	89.8	156.6	270.1	355.1	292.8	42.2	38.3	C33-34
Other thoracic organs	8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	1.4	1.0	1.3	0.0	0.0	5.2	0.4	0.3	C37-38
Bone	16	0.0	0.0	0.0	1.6	1.1	1.1	0.6	0.0	0.5	0.6	1.4	0.0	0.0	3.1	4.0	0.0	0.7	0.7	C40-C41
Melanoma of skin	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.0	2.1	3.9	1.3	0.0	4.0	8.6	0.8	0.7	C43
Other skin	116	0.0	0.0	0.0	0.0	1.6	2.3	2.9	0.6	3.7	3.4	6.4	3.9	12.5	18.7	37.7	62.0	5.2	4.5	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	27	0.0	0.6	0.0	0.5	0.0	0.6	0.0	0.0	0.5	1.7	1.4	4.9	3.8	6.2	6.0	5.2	1.2	1.1	C47,C49
Breast	14	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	2.1	1.1	0.7	1.0	2.5	0.0	2.0	0.0	0.6	0.5	C50
Penis	43	0.0	0.0	0.0	0.0	0.0	1.1	2.3	1.1	1.1	1.1	2.1	2.0	5.0	7.8	17.9	13.8	1.9	1.7	C60
Prostate	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	7.9	13.8	31.2	79.3	122.3	6.7	5.9	C61
Testis	18	0.7	0.0	0.0	0.5	1.1	1.1	1.7	1.7	0.0	0.6	0.7	1.0	1.3	1.6	0.0	1.7	0.8	0.8	C62
Other male genital organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	3.4	0.1	0.1	C63
Kidney	59	0.7	0.6	0.0	0.0	0.0	0.0	0.0	1.1	1.6	4.0	4.3	3.9	6.3	12.5	17.9	22.4	2.6	2.3	C64
Renal pelvis	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	1.3	1.6	2.0	1.7	0.3	0.2	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.1	0.1	C66
Bladder	142	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.1	2.1	2.3	8.5	7.9	13.8	18.7	69.4	91.3	6.3	5.4	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	C68
Eye	8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	1.0	1.3	0.0	0.0	1.7	0.4	0.4	C69
Brain, nervous system	41	2.2	1.2	1.7	1.6	0.5	1.7	0.6	0.0	1.1	1.7	2.8	1.0	3.8	7.8	9.9	3.4	1.8	1.9	C70-72
Thyroid	33	0.0	0.0	0.0	0.0	1.6	0.0	1.2	0.6	4.2	1.7	2.1	0.0	2.5	3.1	6.0	10.3	1.5	1.2	C73
Adrenal gland	1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	C74
Other endocrine	2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.1	0.1	C75
Hodgkin disease	20	0.0	0.0	1.7	0.0	0.0	1.7	1.2	0.0	0.0	0.6	2.1	0.0	1.3	4.7	4.0	3.4	0.9	0.8	C81
Non-Hodgkin lymphoma	181	1.4	0.0	0.6	0.5	1.1	2.3	2.9	5.5	5.3	7.4	16.3	14.8	18.8	18.7	61.5	63.7	8.0	7.0	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	19	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.1	0.7	4.9	5.0	4.7	4.0	1.7	0.8	0.8	C90
Lymphoid leukemia	27	3.6	3.5	1.7	1.6	0.0	0.0	0.0	1.7	0.5	0.6	0.7	1.0	0.0	1.6	0.0	3.4	1.2	1.4	C91
Myeloid leukemia	68	0.0	2.4	2.3	1.6	1.6	2.8	1.7	2.8	3.2	2.3	3.5	2.0	5.0	9.4	11.9	13.8	3.0	2.8	C92-94
Leukemia unspecified	28	1.4	0.0	0.6	0.0	0.0	0.6	0.0	1.1	0.5	1.7	0.0	5.9	1.3	4.7	4.0	10.3	1.2	1.2	C95
Other and unspecified	268	0.7	0.0	0.0	1.0	0.5	1.1	2.3	6.1	9.6	13.2	19.9	24.7	36.3	57.8	75.4	84.4	11.9	10.5	O&U
All sites	**3,949**	**14.5**	**11.2**	**11.6**	**12.0**	**15.9**	**27.2**	**34.5**	**66.3**	**110.4**	**181.4**	**304.4**	**376.0**	**498.7**	**808.8**	**1192.1**	**1303.9**	**175.6**	**156.4**	

Cancer in thailand.indd 75

Table 3.2.2 Chiang Mai (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.0	0.0	7.3	7.1	2.8	0.6	0.5	C00
Tongue	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.6	0.7	1.0	1.2	0.0	0.0	4.2	0.5	0.4	C01-02
Mouth	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	2.9	1.2	4.4	8.9	18.4	1.2	0.9	C03-06
Salivary glands	15	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	1.9	0.5	1.4	0.0	0.0	1.5	3.5	1.4	0.6	0.5	C07-08
Tonsil	10	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.0	1.0	0.0	2.9	0.0	5.7	0.4	0.3	C09
Other oropharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.1	0.1	C10
Nasopharynx	43	0.0	0.0	0.6	0.5	0.0	1.1	0.0	1.0	3.3	2.6	2.7	2.9	5.9	7.3	10.6	2.8	1.8	1.6	C11
Hypopharynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	1.2	0.0	1.8	1.4	0.2	0.2	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.0	3.5	5.7	0.3	0.3	C15
Stomach	123	0.0	0.0	0.0	0.5	0.0	1.1	2.1	4.0	3.3	4.8	15.6	10.5	15.3	21.8	30.1	18.4	5.2	4.4	C16
Small intestine	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.0	1.0	1.2	1.5	1.8	0.0	0.3	0.3	C17
Colon	168	0.0	0.0	0.0	0.5	0.5	1.6	1.0	1.5	2.4	9.0	12.2	19.1	29.4	27.6	30.1	52.4	7.1	6.1	C18
Rectum	117	0.0	0.0	0.0	0.0	0.5	1.1	1.5	0.5	4.3	9.0	8.8	12.4	15.3	21.8	28.3	19.8	5.0	4.2	C19-20
Anus	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.0	0.0	2.9	0.0	5.7	0.4	0.3	C21
Liver and bile duct	300	0.0	0.0	0.0	0.0	0.0	1.1	1.0	3.0	9.5	12.7	27.1	36.3	32.9	66.8	60.2	84.9	12.8	10.7	C22,C24
Gallbladder	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	3.4	2.9	2.4	10.2	14.2	24.1	1.9	1.5	C23
Pancreas	49	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.4	2.1	3.4	4.8	4.7	11.6	5.3	17.0	2.1	1.7	C25
Nose, sinuses etc.	11	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.0	1.6	1.4	0.0	1.2	1.5	1.8	0.0	0.5	0.4	C30-31
Larynx	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.8	2.4	4.4	5.3	5.7	0.8	0.7	C32
Trachea, Bronchus, and lung	688	0.0	0.0	0.6	0.0	2.1	1.1	4.6	3.5	8.5	20.6	40.7	80.2	94.1	167.1	228.4	198.2	29.3	25.1	C33-34
Other thoracic organs	12	0.0	0.0	0.0	0.5	0.0	0.5	0.0	1.0	0.0	0.5	0.0	1.0	1.2	1.5	3.5	2.8	0.5	0.4	C37-38
Bone	13	0.0	0.6	0.0	1.0	1.1	0.0	0.5	0.0	0.0	1.6	1.4	0.0	2.4	0.0	0.0	0.0	0.6	0.5	C40-C41
Melanoma of skin	11	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.4	1.9	0.0	2.9	0.0	4.2	0.5	0.4	C43
Other skin	118	0.0	0.0	0.0	0.0	0.5	0.5	0.0	1.5	2.4	3.2	3.4	11.5	4.7	20.3	28.3	72.2	5.0	3.9	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	21	0.0	0.6	0.0	0.0	1.6	0.0	1.0	1.0	0.5	1.6	1.4	1.0	5.9	0.0	0.0	1.4	0.9	0.8	C47,C49
Breast	791	0.0	0.0	0.0	0.0	0.5	4.9	17.0	26.5	52.0	95.0	97.6	80.2	54.1	59.6	70.8	70.8	33.7	26.7	C50
Vulva	21	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.9	1.6	0.7	2.9	3.5	1.5	1.8	8.5	0.9	0.7	C51
Vagina	5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.2	1.5	0.0	2.8	0.2	0.2	C52
Cervix uteri	725	0.0	0.0	0.0	0.0	1.1	5.4	17.0	31.0	62.5	81.8	77.3	55.4	55.3	61.0	54.9	55.2	30.8	24.4	C53
Corpus uteri	120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.3	5.8	19.7	15.3	18.8	14.5	26.6	12.7	5.1	4.3	C54
Uterus unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C55
Ovary	143	1.5	0.0	0.0	2.6	3.7	2.7	4.6	6.5	6.6	14.3	18.3	11.5	7.1	7.3	7.1	9.9	6.1	5.1	C56
Other female genital	2	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C57
Placenta	5	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C58
Kidney	17	0.8	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.5	1.4	1.0	3.5	0.0	7.1	4.2	0.7	0.7	C64
Renal pelvis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.1	0.1	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.8	0.0	0.1	0.1	C66
Bladder	71	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.4	0.5	3.4	7.6	9.4	11.6	28.3	29.7	3.0	2.5	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	C68
Eye	5	1.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.2	0.3	C69
Brain, nervous system	44	0.8	1.2	0.0	1.6	1.1	1.1	0.5	3.0	1.4	3.2	0.7	4.8	3.5	5.8	1.8	5.7	1.9	1.7	C70-72
Thyroid	95	0.0	0.0	1.2	1.6	1.6	4.4	4.1	5.0	8.5	5.8	6.8	2.9	2.4	13.1	7.1	5.7	4.0	3.3	C73
Adrenal gland	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.2	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	C75
Hodgkin disease	8	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.0	0.0	0.0	0.0	1.2	0.0	1.8	1.4	0.3	0.3	C81
Non-Hodgkin lymphoma	146	0.0	0.0	2.5	0.5	1.6	4.9	4.1	5.5	2.4	5.3	11.5	10.5	11.8	20.3	42.5	26.9	6.2	5.3	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	C88
Multiple myeloma	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	2.9	3.5	2.9	1.8	2.8	0.6	0.5	C90
Lymphoid leukemia	23	3.8	4.3	1.2	0.0	0.0	1.6	0.5	0.5	0.0	0.5	0.7	0.0	1.2	0.0	1.8	0.0	1.0	1.3	C91
Myeloid leukemia	62	4.5	0.0	1.8	1.6	1.1	1.6	2.1	1.5	2.8	1.1	3.4	1.0	7.1	4.4	12.4	11.3	2.6	2.6	C92-94
Leukemia unspecified	37	0.8	0.0	0.0	0.0	0.0	0.5	1.0	0.0	1.4	1.6	1.4	1.0	4.7	8.7	7.1	14.2	1.6	1.4	C95
Other and unspecified	270	0.0	0.6	0.6	0.0	0.0	2.7	4.6	6.0	4.3	11.1	17.6	34.4	27.1	59.6	74.4	62.3	11.5	9.8	O&U
All sites	**4,467**	**15.1**	**7.4**	**8.6**	**13.1**	**18.5**	**40.3**	**71.6**	**110.3**	**189.7**	**308.9**	**391.0**	**430.8**	**438.8**	**661.2**	**825.1**	**876.1**	**190.1**	**158.2**	

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Table 3.2.3 Annual incidence, Chiang Mai, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. 0-64 (percent)	Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. 0-64 (percent)	Rate. 0-74 (percent)
C00	Lip	2	0.1	0.1	0.1	0.0	0.0	14	0.3	0.6	0.5	0.0	0.1
C01-02	Tongue	33	0.8	1.5	1.3	0.1	0.2	12	0.3	0.5	0.4	0.0	0.0
C03-06	Mouth	39	1.0	1.7	1.5	0.1	0.2	28	0.6	1.2	0.9	0.0	0.1
C07-08	Salivary glands	16	0.4	0.7	0.6	0.0	0.1	15	0.3	0.6	0.5	0.0	0.1
C09	Tonsil	22	0.6	1.0	0.8	0.0	0.1	10	0.2	0.4	0.3	0.0	0.0
C10	Other oropharynx	6	0.2	0.3	0.3	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C11	Nasopharynx	93	2.4	4.1	3.7	0.3	0.4	43	1.0	1.8	1.6	0.1	0.2
C12-13	Hypopharynx	39	1.0	1.7	1.5	0.1	0.1	5	0.1	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	6	0.2	0.3	0.2	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	32	0.8	1.4	1.3	0.0	0.2	8	0.2	0.3	0.3	0.0	0.0
C16	Stomach	166	4.2	7.4	6.4	0.3	0.8	123	2.8	5.2	4.4	0.3	0.5
C17	Small intestine	11	0.3	0.5	0.5	0.0	0.0	7	0.2	0.3	0.3	0.0	0.0
C18	Colon	202	5.1	9.0	7.9	0.4	0.9	168	3.8	7.1	6.1	0.4	0.7
C19-20	Rectum	127	3.2	5.6	5.0	0.2	0.6	117	2.6	5.0	4.2	0.3	0.5
C21	Anus	3	0.1	0.1	0.1	0.0	0.0	9	0.2	0.4	0.3	0.0	0.0
C22,C24	Liver and bile duct	746	18.9	33.2	28.9	1.9	3.4	300	6.7	12.8	10.7	0.6	1.3
C23	Gallbladder	19	0.5	0.8	0.8	0.0	0.1	45	1.0	1.9	1.5	0.1	0.2
C25	Pancreas	44	1.1	2.0	1.8	0.1	0.2	49	1.1	2.1	1.7	0.1	0.2
C30-31	Nose, sinuses etc.	14	0.4	0.6	0.5	0.0	0.0	11	0.2	0.5	0.4	0.0	0.0
C32	Larynx	59	1.5	2.6	2.3	0.1	0.2	18	0.4	0.8	0.7	0.0	0.1
C33-34	Trachea, Bronchus, and lung	949	24.0	42.2	38.3	1.9	5.0	688	15.4	29.3	25.1	1.3	3.3
C37-38	Other thoracic organs	8	0.2	0.4	0.3	0.0	0.0	12	0.3	0.5	0.4	0.0	0.0
C40-C41	Bone	16	0.4	0.7	0.7	0.0	0.1	13	0.3	0.6	0.5	0.0	0.0
C43	Melanoma of skin	18	0.5	0.8	0.7	0.0	0.1	11	0.2	0.5	0.4	0.0	0.0
C44	Other skin	116	2.9	5.2	4.5	0.2	0.5	118	2.6	5.0	3.9	0.1	0.4
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	27	0.7	1.2	1.1	0.1	0.1	21	0.5	0.9	0.8	0.1	0.1
C50	Breast	14	0.4	0.6	0.5	0.0	0.1	791	17.7	33.7	26.7	2.1	2.8
C51	Vulva							21	0.5	0.9	0.7	0.1	0.1
C52	Vagina							5	0.1	0.2	0.2	0.0	0.0
C53	Cervix uteri							725	16.2	30.8	24.4	1.9	2.5
C54	Corpus uteri							120	2.7	5.1	4.3	0.3	0.5
C55	Uterus unspecified							1	0.0	0.0	0.0	0.0	0.0
C56	Ovary							143	3.2	6.1	5.1	0.4	0.5
C57	Other female genital							2	0.0	0.1	0.1	0.0	0.0
C58	Placenta							5	0.1	0.2	0.2	0.0	0.0
C60	Penis	43	1.1	1.9	1.7	0.1	0.2						
C61	Prostate	151	3.8	6.7	5.9	0.1	0.7						
C62	Testis	18	0.5	0.8	0.8	0.1	0.1						
C63	Other male genital organs	3	0.1	0.1	0.1	0.0	0.0						
C64	Kidney	59	1.5	2.6	2.3	0.1	0.3	17	0.4	0.7	0.7	0.0	0.1
C65	Renal pelvis	6	0.2	0.3	0.2	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C66	Ureter	2	0.1	0.1	0.1	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C67	Bladder	142	3.6	6.3	5.4	0.2	0.6	71	1.6	3.0	2.5	0.1	0.3
C68	Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C69	Eye	8	0.2	0.4	0.4	0.0	0.0	5	0.1	0.2	0.3	0.0	0.0
C70-72	Brain, nervous system	41	1.0	1.8	1.9	0.1	0.2	44	1.0	1.9	1.7	0.1	0.2
C73	Thyroid	33	0.8	1.5	1.2	0.1	0.1	95	2.1	4.0	3.3	0.2	0.3
C74	Adrenal gland	1	0.0	0.0	0.1	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C75	Other endocrine	2	0.1	0.1	0.1	0.0	0.0	5	0.1	0.2	0.3	0.0	0.0
C81	Hodgkin disease	20	0.5	0.9	0.8	0.0	0.1	8	0.2	0.3	0.3	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	181	4.6	8.0	7.0	0.4	0.8	146	3.3	6.2	5.3	0.3	0.6
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	19	0.5	0.8	0.8	0.1	0.1	14	0.3	0.6	0.5	0.0	0.1
C91	Lymphoid leukemia	27	0.7	1.2	1.4	0.1	0.1	23	0.5	1.0	1.3	0.1	0.1
C92-94	Myeloid leukemia	68	1.7	3.0	2.8	0.2	0.3	62	1.4	2.6	2.6	0.1	0.2
C95	Leukemia unspecified	28	0.7	1.2	1.2	0.1	0.1	37	0.8	1.6	1.4	0.1	0.1
O&U	Other and unspecified	268	6.8	11.9	10.5	0.6	1.2	270	6.0	11.5	9.8	0.5	1.2
	All sites	**3949**	**100.0**	**175.6**	**156.4**	**8.3**	**18.3**	**4467**	**100.0**	**190.1**	**158.2**	**10.2**	**17.7**

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Table 3.2.4 Percentage of morphologically verified and death certificate only cases, Chiang Mai, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	90	90.0	4.4	69	95.7	2.9
C09-C10,C14	Oropharynx, etc.	34	91.2	5.9	13	92.3	7.7
C11	Nasopharynx	93	93.5	2.2	43	93.0	0.0
C12-C13	Hypopharynx	39	97.4	0.0	5	100.0	0.0
C15	Esophagus	32	78.1	6.3	8	75.0	12.5
C16	Stomach	166	85.5	5.4	123	84.6	4.9
C17	Small intestine	11	90.9	0.0	7	85.7	0.0
C18-C21	Colon and rectum	332	84.9	4.5	294	87.8	3.1
C22,C24	Liver and bile duct	746	20.6	17.6	300	22.0	15.7
C23	Gallbladder	19	42.1	21.1	45	57.8	8.9
C25	Pancreas	44	31.8	11.4	49	28.6	6.1
C30-C31	Nose, sinuses etc.	14	100.0	0.0	11	72.7	9.1
C32	Larynx	59	93.2	1.7	18	61.1	0.0
C33-C34	Trachea, bronchus and lung	949	59.2	12.3	688	53.1	12.8
C37-C38	Other thoracic organs	8	62.5	0.0	12	75.0	0.0
C40-C41	Bone	16	62.5	31.3	13	69.2	7.7
C43	Melanoma of skin	18	100.0	0.0	11	100.0	0.0
C44	Other skin	116	98.3	1.7	118	98.3	1.7
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	1	100.0	0.0	1	100.0	0.0
C47,C49	Connective and soft tissue	27	96.3	0.0	21	95.2	4.8
C50	Breast	14	100.0	0.0	791	96.5	1.1
C51	Vulva				21	95.2	0.0
C52	Vagina				5	100.0	0.0
C53	Cervix uteri				725	97.8	0.3
C54	Corpus uteri				120	95.8	0.8
C55	Uterus unspecified				1	100.0	0.0
C56	Ovary				143	90.9	1.4
C51,C52,C57	Other female genital				2	50.0	0.0
C58	Placenta				5	40.0	0.0
C60	Penis	43	100.0	0.0			
C61	Prostate	151	88.7	2.0			
C62	Testis	18	94.4	0.0			
C63	Other male genital organs	3	100.0	0.0			
C64	Kidney	59	67.8	6.8	17	70.6	5.9
C65	Renal pelvis	6	100.0	0.0	2	100.0	0.0
C66	Ureter	2	100.0	0.0	2	100.0	0.0
C67	Bladder	142	93.7	1.4	71	97.2	0.0
C68	Other urinary organs	1	100.0	0.0	1	100.0	0.0
C69	Eye	8	75.0	0.0	5	100.0	0.0
C70-C72	Brain, nervous system	41	53.7	14.6	44	50.0	22.7
C73	Thyroid	33	97.0	3.0	95	97.9	1.1
C74	Adrenal gland	1	0.0	100.0	2	100.0	0.0
C75	Other endocrine	2	50.0	0.0	5	100.0	0.0
C81	Hodgkin's disease	20	100.0	0.0	8	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	181	100.0	0.0	146	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	1	100.0	0.0
C90	Multiple myeloma	19	100.0	0.0	14	100.0	0.0
C91-C95	Leukemia	123	93.5	6.5	122	93.4	6.6
O&U	Other and unspecified	268	38.4	44.0	270	40.4	47.0
	All sites	**3949**	**65.1**	**11.2**	**4467**	**78.4**	**7.3**

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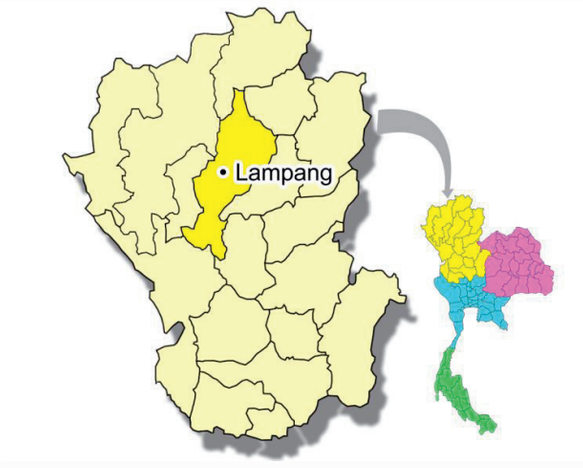
Lampang Cancer Registry

Registration area

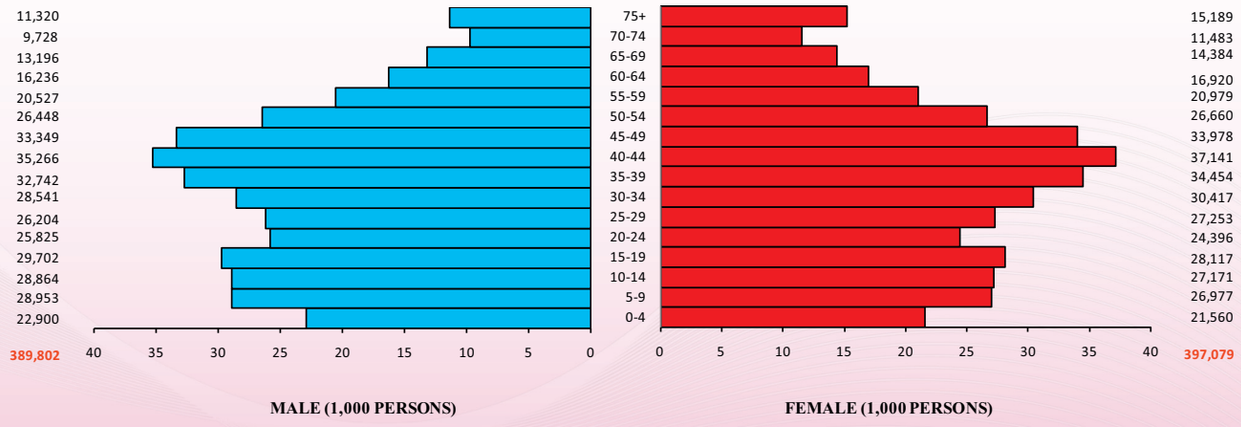
Lampang is one of the 17 provinces of the Northern region of Thailand, located at latitude 17-19 ^{o}N and longitude 98-100 ^{o}E. It is 268.8 meters above sea level with a land area of 12,534 km^2. It has common boundary with Chiang Mai and Phayao in the north, Phare in the east, Tak and Sukhothai in the south and Lamphun and Chiang Mai in the west. Lampang cancer registry covers the population of 13 districts.

The total population in 2000 (housing census by National Statistics Office, Thailand) was 782,152, with 390,256 males and 391, 896 females. About 30% of the populations live in urban areas; 97% are Buddists, the remainder being mainly Christians or Muslims. The average population density is about 61.2 persons per square kilometer (National Statistics Office, Thailand, 2008).

Most important occupations are farming of rice, peanuts, sugar beans and pineapple. There are large lignite-generated power plants and lignite mining areas in the Moe Moh district, 36 kilometers from city area. In addition, there are more than 200 ceramic factories, over 100 wood working plants and large cement factories located in Lampang.



Population pyramid, Lampang, 2005



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Cancer care facilities

In Lampang province, health care service is provided in 12 community hospitals, one Lampang provincial hospital, two private hospitals, one military hospital and one cancer center (Lampang Cancer Center). For cancer care, these hospitals have cancer diagnostic services (including CT scan, clinical consultations and radiological, pathological investigations). Oncologic surgery services, chemotherapy and targeted therapy are available in Lampang cancer center and Lampang provincial hospital. Radiation therapy is available only in Lampang Cancer Center, where there were two simulators, two cobalt-60 machines, one linear accelerator, one dual energy linear accelerator with multi leaf collimator, one High Dose Rate machine and two Low Dose Rate machines for brachytherapy. All hospitals in the province provide palliative care. However, some patients are referred to the National Cancer Institute, and university hospitals in Chiang Mai and Bangkok. The ratio of doctors to population is 1:2,925. The ratio of registered nurses to population is 1:538. (Ministry of Public Health, 2007)

Registry procedures

The registry unit is located within Lampang Cancer Center. The Lampang registry was established in 1995 with back up data of cancer cases in Lampang since 1983 collected by Dr. Nimit Martin. A part time physician, a full time nurse, and three full time health workers are responsible for the registry. The registration uses passive methods by notification from 21 sources of data consisting of cancer centers, general hospitals, community hospitals, private hospitals, university hospital, the provincial public health service of Lampang and pathological laboratories.

Data collected consists of: registry number, name, residential address, date of birth, age, sex, date of diagnosis, site of cancer, histology of cancer, staging, extension of disease, method of diagnosis, treatment, date of last contact and vital status of cancer patients. The primary site and histology are coded according to ICD-O 3rd edition (*Fritz et al*., 2000). Second primary cancers are also registered by the multiple primary rule (IARC, 2004). Death certificates are obtained from Bureau of Policy and Strategy, Ministry of Public Health. Follow-up of all registered cases is carried out by passive methods linked to the database of the National Health Security office.

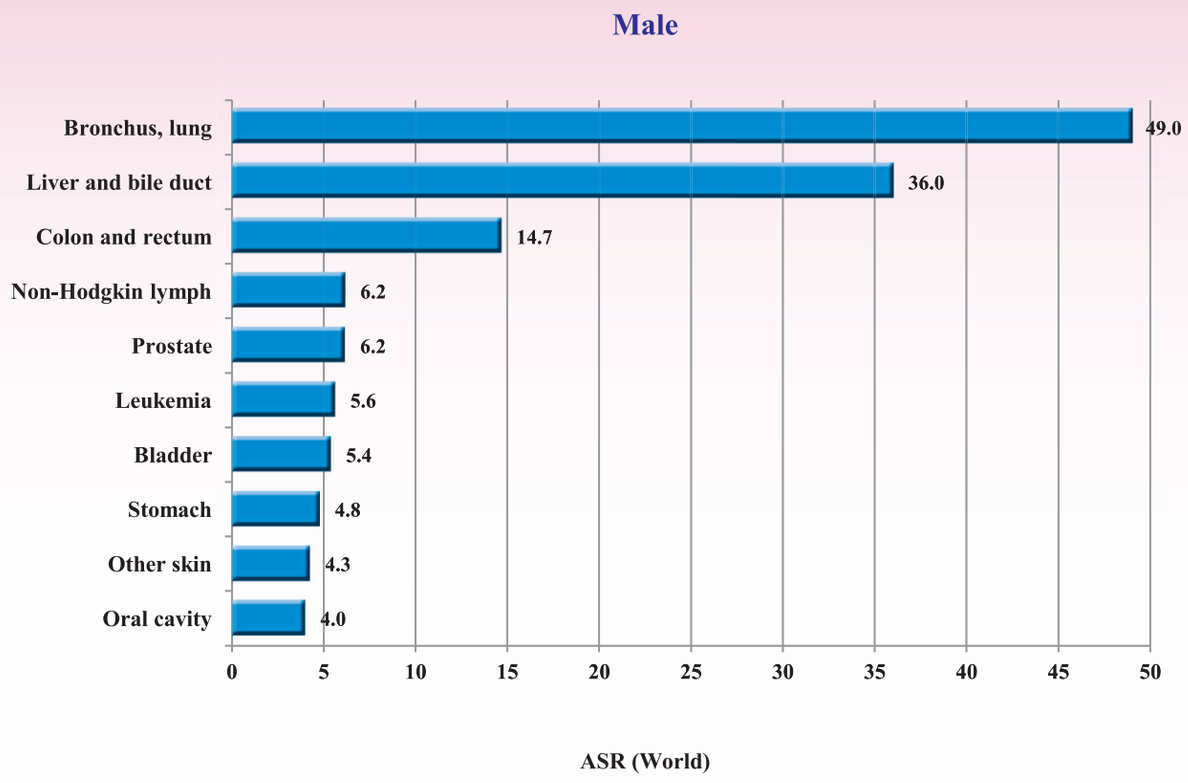
The computed data forms are checked and extended into data base files, using the CanReg 4 program for data entry and analysis.

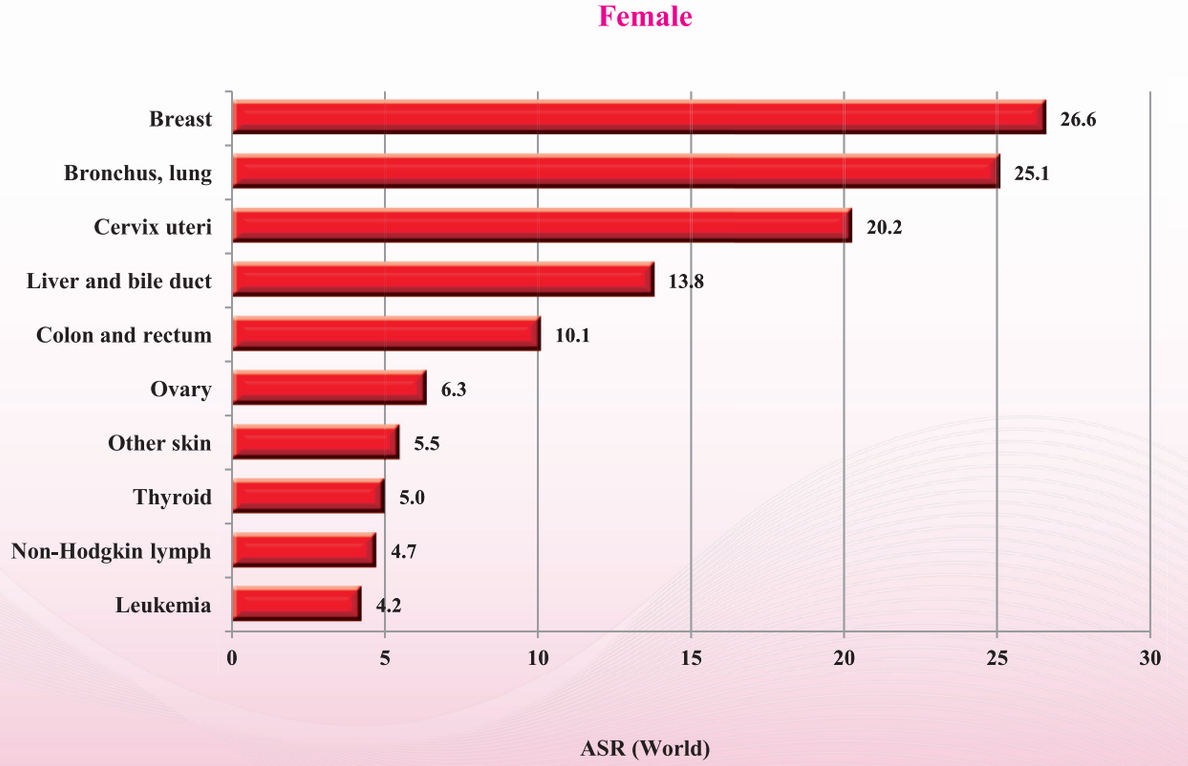
Summary of Results

New cases registered in 2004-2006, 2,505 were males and 2,517 were females, making 5,022 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males is 171.1 per 100,000 with lung cancer ranking first (ASR = 48.9) followed by liver and bile duct cancer (ASR = 36.1) and colorectal cancer (ASR = 14.7). The ASR of all cancer sites in females was 156.1 per 100,000, the three leading cancer being breast cancer (ASR = 26.6), lung cancer (ASR = 25.1) and cervical cancer (ASR = 20.2) respectively.

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Figure 3.2 Leading cancer in Lampang, 2004-2006





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Table 3.3.1 Lampang (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.1	0.1	C00
Tongue	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.8	3.0	5.0	1.6	6.2	10.1	6.9	11.8	2.1	1.7	C01-02
Mouth	24	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	1.9	1.0	1.3	1.6	2.1	10.1	30.8	8.8	2.1	1.6	C03-06
Salivary glands	9	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.9	0.0	0.0	3.2	4.1	2.5	0.0	5.9	0.8	0.6	C07-08
Tonsil	13	0.0	0.0	0.0	1.1	1.3	0.0	0.0	1.0	0.0	1.0	3.8	0.0	0.0	7.6	0.0	8.8	1.1	0.9	C09
Other oropharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.1	0.0	0.0	2.9	0.3	0.2	C10
Nasopharynx	38	0.0	0.0	0.0	1.1	0.0	1.3	0.0	1.0	3.8	5.0	11.3	9.7	12.3	5.1	3.4	5.9	3.2	2.6	C11
Hypopharynx	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	1.6	2.1	0.0	6.9	5.9	0.8	0.6	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	5.0	1.6	8.2	12.6	10.3	2.9	1.9	1.5	C15
Stomach	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	9.0	7.6	13.0	16.4	27.8	34.3	50.1	6.2	4.8	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.1	0.1	C17
Colon	131	0.0	0.0	0.0	0.0	2.6	2.5	0.0	4.1	3.8	11.0	22.7	13.0	28.7	50.5	85.7	67.7	11.2	8.9	C18
Rectum	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.7	8.0	11.3	11.4	22.6	25.3	37.7	64.8	7.4	5.7	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	539	0.0	0.0	0.0	0.0	1.3	5.1	4.7	20.4	32.1	69.0	89.5	107.2	135.5	176.8	195.3	226.7	46.1	36.0	C22,C24
Gallbladder	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	4.0	2.5	4.9	4.1	7.6	13.7	26.5	2.5	1.9	C23
Pancreas	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.9	3.0	1.3	8.1	6.2	10.1	13.7	17.7	2.6	2.0	C25
Nose, sinuses etc.	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.3	0.0	8.2	2.5	6.9	5.9	1.1	0.9	C30-31
Larynx	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.2	6.2	17.7	24.0	17.7	2.3	1.9	C32
Trachea, Bronchus, and lung	715	1.5	0.0	0.0	1.1	1.3	0.0	5.8	9.2	15.1	34.0	78.1	123.4	178.6	368.8	500.3	385.8	61.1	49.0	C33-34
Other thoracic organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C37-38
Bone	7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.0	0.0	1.0	0.0	0.0	0.0	2.5	3.4	2.9	0.6	0.5	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	0.0	0.0	2.1	0.0	0.0	0.0	0.3	0.2	C43
Other skin	63	0.0	0.0	0.0	0.0	1.3	0.0	1.2	1.0	3.8	3.0	7.6	11.4	20.5	15.2	30.8	44.2	5.4	4.3	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C46
Connective tissue	10	0.0	0.0	1.2	1.1	0.0	1.3	0.0	0.0	0.0	0.0	1.3	3.2	0.0	0.0	3.4	8.8	0.9	0.7	C47,C49
Breast	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.5	3.4	0.0	0.3	0.2	C50
Penis	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.3	1.6	4.1	2.5	6.9	14.7	1.2	0.9	C60
Prostate	94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	5.0	3.2	16.4	32.8	68.5	135.5	8.0	6.2	C61
Testis	7	0.0	0.0	0.0	1.1	0.0	2.5	0.0	1.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.6	0.5	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	22	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	3.2	0.0	12.6	17.1	8.8	1.9	1.6	C64
Renal pelvis	22	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	5.0	3.8	3.2	4.1	7.6	17.1	2.9	1.9	1.5	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	2.9	0.2	0.1	C66
Bladder	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.0	8.8	9.7	20.5	42.9	54.8	53.0	6.8	5.4	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	C69
Brain, nervous system	26	0.0	2.3	4.6	1.1	0.0	0.0	1.2	1.0	2.8	1.0	7.6	3.2	4.1	0.0	6.9	2.9	2.2	2.0	C70-72
Thyroid	13	0.0	0.0	1.2	1.1	0.0	0.0	0.0	0.0	1.9	1.0	1.3	4.9	2.1	2.5	3.4	2.9	1.1	0.9	C73
Adrenal gland	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.2	0.2	C74
Other endocrine	2	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.2	0.2	C75
Hodgkin disease	5	0.0	0.0	0.0	1.1	0.0	1.3	0.0	1.0	0.0	0.0	1.3	0.0	0.0	0.0	3.4	0.0	0.4	0.4	C81
Non-Hodgkin lymphoma	91	0.0	1.2	0.0	2.2	1.3	1.3	4.7	3.1	9.5	7.0	16.4	22.7	14.4	27.8	20.6	32.4	7.8	6.2	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.9	0.0	0.0	6.5	2.1	10.1	6.9	5.9	1.5	1.1	C90
Lymphoid leukemia	20	1.5	5.8	2.3	4.5	0.0	0.0	0.0	1.0	0.0	1.0	2.5	3.2	0.0	2.5	0.0	2.9	1.7	1.9	C91
Myeloid leukemia	32	1.5	0.0	1.2	1.1	0.0	1.3	0.0	3.1	0.9	2.0	5.0	1.6	4.1	7.6	17.1	20.6	2.7	2.3	C92-94
Leukemia unspecified	17	2.9	0.0	1.2	1.1	0.0	1.3	0.0	0.0	0.9	3.0	0.0	0.0	0.0	7.6	10.3	5.9	1.5	1.4	C95
Other and unspecified	162	0.0	0.0	0.0	1.1	0.0	1.3	1.2	3.1	6.6	16.0	29.0	43.8	43.1	55.6	65.1	61.8	13.9	10.9	O&U
All sites	**2,505**	**11.6**	**9.2**	**11.5**	**20.2**	**10.3**	**21.6**	**22.2**	**63.1**	**103.0**	**206.9**	**342.8**	**428.7**	**583.1**	**972.5**	**1315.8**	**1325.1**	**214.2**	**171.1**	

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Table 3.3.2 Lampang (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.1	0.1	C00
Tongue	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	1.3	1.6	5.9	0.0	8.7	0.0	0.9	0.7	C01-02
Mouth	23	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	2.9	3.8	1.6	0.0	13.9	8.7	13.2	1.9	1.3	C03-06
Salivary glands	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	3.2	3.9	4.6	0.0	4.4	0.9	0.7	C07-08
Tonsil	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.2	0.1	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	21	0.0	0.0	0.0	1.2	0.0	2.4	1.1	1.0	0.9	4.9	0.0	1.6	3.9	4.6	8.7	4.4	1.8	1.4	C11
Hypopharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3	0.0	0.0	0.2	0.1	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C14
Esophagus	10	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.0	0.0	1.0	1.3	0.0	0.0	7.0	0.0	6.6	0.8	0.6	C15
Stomach	42	0.0	0.0	0.0	0.0	1.4	0.0	1.1	1.9	1.8	2.0	6.3	11.1	3.9	7.0	17.4	24.1	3.5	2.5	C16
Small intestine	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	1.3	0.0	0.0	4.6	0.0	2.2	0.6	0.4	C17
Colon	105	0.0	0.0	0.0	0.0	0.0	1.2	0.0	2.9	5.4	11.8	11.3	22.2	21.7	34.8	49.3	37.3	8.8	6.4	C18
Rectum	56	0.0	0.0	0.0	0.0	2.7	1.2	0.0	1.0	5.4	3.9	5.0	6.4	15.8	11.6	20.3	30.7	4.7	3.4	C19-20
Anus	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.6	0.0	0.0	2.9	2.2	0.3	0.2	C21
Liver and bile duct	229	0.0	0.0	0.0	1.2	0.0	0.0	2.2	4.8	8.1	13.7	35.0	44.5	45.3	78.8	98.7	111.9	19.2	13.8	C22,C24
Gallbladder	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.3	3.2	9.9	16.2	26.1	28.5	3.2	2.2	C23
Pancreas	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.0	6.4	7.9	16.2	8.7	13.2	2.6	1.9	C25
Nose, sinuses etc.	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	1.6	0.0	2.3	0.0	2.2	0.3	0.2	C30-31
Larynx	9	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.3	11.6	2.2	0.8	0.6	C32
Trachea, Bronchus, and lung	406	0.0	0.0	0.0	0.0	0.0	3.7	4.4	4.8	16.2	16.7	35.0	63.6	116.2	187.7	214.8	169.0	34.1	25.1	C33-34
Other thoracic organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.1	0.1	C37-38
Bone	8	0.0	0.0	1.2	1.2	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.2	0.0	0.0	5.8	2.2	0.7	0.6	C40-C41
Melanoma of skin	10	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.3	3.2	2.0	4.6	0.0	6.6	0.8	0.6	C43
Other skin	93	0.0	0.0	0.0	0.0	1.4	0.0	2.2	1.0	2.7	1.0	8.8	15.9	15.8	32.4	49.3	63.6	7.8	5.5	C44
Mesothelioma	1	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C46
Connective tissue	14	1.5	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	1.0	1.3	4.8	0.0	2.3	5.8	2.2	1.2	1.0	C47,C49
Breast	437	0.0	0.0	0.0	0.0	2.7	3.7	13.2	37.7	75.4	67.7	90.0	84.2	49.3	67.2	84.2	43.9	36.7	26.6	C50
Vulva	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.9	1.3	0.0	3.9	9.3	2.9	4.4	1.2	0.9	C51
Vagina	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.0	0.0	0.0	0.0	0.2	0.1	C52
Cervix uteri	330	0.0	0.0	0.0	0.0	2.7	3.7	17.5	34.8	57.4	54.9	55.0	38.1	57.1	46.3	63.9	30.7	27.7	20.2	C53
Corpus uteri	48	0.0	0.0	1.2	0.0	0.0	0.0	3.3	1.0	3.6	5.9	11.3	14.3	15.8	7.0	5.8	4.4	4.0	3.1	C54
Uterus unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C55
Ovary	95	1.5	1.2	1.2	2.4	0.0	8.6	2.2	3.9	6.3	15.7	21.3	20.7	9.9	16.2	8.7	19.8	8.0	6.3	C56
Other female genital	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.9	0.0	0.2	0.1	C57
Placenta	2	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C58
Kidney	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.6	2.0	4.6	2.9	4.4	0.7	0.5	C64
Renal pelvis	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	1.6	0.0	2.3	5.8	2.2	0.6	0.4	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.2	0.2	0.1	C66
Bladder	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	4.8	7.9	7.0	20.3	32.9	2.8	1.8	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C69
Brain, nervous system	27	0.0	1.2	1.2	0.0	1.4	3.7	4.4	2.9	2.7	2.9	3.8	0.0	2.0	2.3	2.9	4.4	2.3	1.9	C70-72
Thyroid	76	0.0	0.0	1.2	1.2	4.1	4.9	7.7	9.7	7.2	15.7	11.3	6.4	5.9	7.0	11.6	6.6	6.4	5.0	C73
Adrenal gland	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	0.0	0.0	0.0	0.2	0.1	C74
Other endocrine	2	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C75
Hodgkin disease	3	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	2.9	0.0	0.3	0.2	C81
Non-Hodgkin lymphoma	75	0.0	0.0	0.0	2.4	1.4	1.2	3.3	0.0	5.4	4.9	8.8	9.5	21.7	18.5	26.1	35.1	6.3	4.7	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	1.0	2.5	3.2	3.9	9.3	5.8	8.8	1.6	1.2	C90
Lymphoid leukemia	15	3.1	2.5	0.0	1.2	0.0	0.0	0.0	1.0	0.0	2.0	1.3	3.2	0.0	0.0	2.9	6.6	1.3	1.3	C91
Myeloid leukemia	29	3.1	0.0	1.2	0.0	1.4	0.0	0.0	3.9	0.9	4.9	2.5	1.6	5.9	4.6	14.5	4.4	2.4	2.1	C92-94
Leukemia unspecified	12	0.0	0.0	0.0	0.0	1.4	2.4	0.0	0.0	1.8	1.0	2.5	0.0	0.0	4.6	0.0	4.4	1.0	0.8	C95
Other and unspecified	135	0.0	0.0	0.0	2.4	2.7	0.0	1.1	5.8	1.8	9.8	22.5	14.3	37.4	39.4	52.3	68.0	11.3	8.3	O&U
All sites	**2,517**	**9.3**	**4.9**	**11.0**	**13.0**	**26.0**	**40.4**	**65.8**	**124.8**	**209.1**	**261.0**	**357.6**	**402.0**	**488.6**	**681.3**	**856.3**	**814.2**	**211.3**	**156.1**	

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Table 3.3.3 Annual incidence, Lampang, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	1	0.0	0.1	0.1	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C01-02	Tongue	25	1.0	2.1	1.7	0.1	0.2	11	0.4	0.9	0.7	0.1	0.1
C03-06	Mouth	24	1.0	2.1	1.6	0.1	0.3	23	0.9	1.9	1.3	0.0	0.2
C07-08	Salivary glands	9	0.4	0.8	0.6	0.0	0.1	11	0.4	0.9	0.7	0.1	0.1
C09	Tonsil	13	0.5	1.1	0.9	0.0	0.1	2	0.1	0.2	0.1	0.0	0.0
C10	Other oropharynx	3	0.1	0.3	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	38	1.5	3.2	2.6	0.2	0.3	21	0.8	1.8	1.4	0.1	0.2
C12-13	Hypopharynx	9	0.4	0.8	0.6	0.0	0.1	2	0.1	0.2	0.1	0.0	0.0
C14	Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C15	Esophagus	22	0.9	1.9	1.5	0.1	0.2	10	0.4	0.8	0.6	0.0	0.1
C16	Stomach	72	2.9	6.2	4.8	0.2	0.6	42	1.7	3.5	2.5	0.1	0.3
C17	Small intestine	1	0.0	0.1	0.1	0.0	0.0	7	0.3	0.6	0.4	0.0	0.0
C18	Colon	131	5.2	11.2	8.9	0.4	1.1	105	4.2	8.8	6.4	0.4	0.8
C19-20	Rectum	86	3.4	7.4	5.7	0.3	0.6	56	2.2	4.7	3.4	0.2	0.4
C21	Anus	1	0.0	0.1	0.1	0.0	0.0	4	0.2	0.3	0.2	0.0	0.0
C22,C24	Liver and bile duct	539	21.5	46.1	36.0	2.3	4.2	229	9.1	19.2	13.8	0.8	1.7
C23	Gallbladder	29	1.2	2.5	1.9	0.1	0.2	38	1.5	3.2	2.2	0.1	0.3
C25	Pancreas	30	1.2	2.6	2.0	0.1	0.2	31	1.2	2.6	1.9	0.1	0.2
C30-31	Nose, sinuses etc.	13	0.5	1.1	0.9	0.1	0.1	4	0.2	0.3	0.2	0.0	0.0
C32	Larynx	27	1.1	2.3	1.9	0.1	0.3	9	0.4	0.8	0.6	0.0	0.1
C33-34	Trachea, Bronchus, and lung	715	28.5	61.1	49.0	2.2	6.6	406	16.1	34.1	25.1	1.3	3.3
C37-38	Other thoracic organs	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C40-C41	Bone	7	0.3	0.6	0.5	0.0	0.1	8	0.3	0.7	0.6	0.0	0.1
C43	Melanoma of skin	3	0.1	0.3	0.2	0.0	0.0	10	0.4	0.8	0.6	0.0	0.1
C44	Other skin	63	2.5	5.4	4.3	0.2	0.5	93	3.7	7.8	5.5	0.2	0.7
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C46	Kaposi sarcoma	1	0.0	0.1	0.1	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C47,C49	Connective tissue	10	0.4	0.9	0.7	0.0	0.1	14	0.6	1.2	1.0	0.1	0.1
C50	Breast	3	0.1	0.3	0.2	0.0	0.0	437	17.4	36.7	26.6	2.1	2.9
C51	Vulva							14	0.6	1.2	0.9	0.0	0.1
C52	Vagina							2	0.1	0.2	0.1	0.0	0.0
C53	Cervix uteri							330	13.1	27.7	20.2	1.6	2.2
C54	Corpus uteri							48	1.9	4.0	3.1	0.3	0.3
C55	Uterus unspecified							0	0.0	0.0	0.0	0.0	0.0
C56	Ovary							95	3.8	8.0	6.3	0.5	0.6
C57	Other female genital							2	0.1	0.2	0.1	0.0	0.0
C58	Placenta							2	0.1	0.2	0.2	0.0	0.0
C60	Penis	14	0.6	1.2	0.9	0.0	0.1						
C61	Prostate	94	3.8	8.0	6.2	0.1	0.6						
C62	Testis	7	0.3	0.6	0.5	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	22	0.9	1.9	1.6	0.1	0.2	8	0.3	0.7	0.5	0.0	0.1
C65	Renal pelvis	22	0.9	1.9	1.5	0.1	0.2	7	0.3	0.6	0.4	0.0	0.1
C66	Ureter	2	0.1	0.2	0.1	0.0	0.0	2	0.1	0.2	0.1	0.0	0.0
C67	Bladder	79	3.2	6.8	5.4	0.2	0.7	33	1.3	2.8	1.8	0.1	0.2
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	3	0.1	0.3	0.4	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C70-72	Brain, nervous system	26	1.0	2.2	2.0	0.1	0.2	27	1.1	2.3	1.9	0.1	0.2
C73	Thyroid	13	0.5	1.1	0.9	0.1	0.1	76	3.0	6.4	5.0	0.4	0.5
C74	Adrenal gland	2	0.1	0.2	0.2	0.0	0.0	2	0.1	0.2	0.1	0.0	0.0
C75	Other endocrine	2	0.1	0.2	0.2	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C81	Hodgkin disease	5	0.2	0.4	0.4	0.0	0.0	3	0.1	0.3	0.2	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	91	3.6	7.8	6.2	0.4	0.7	75	3.0	6.3	4.7	0.3	0.5
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	17	0.7	1.5	1.1	0.1	0.1	19	0.8	1.6	1.2	0.1	0.1
C91	Lymphoid leukemia	20	0.8	1.7	1.9	0.1	0.1	15	0.6	1.3	1.3	0.1	0.1
C92-94	Myeloid leukemia	32	1.3	2.7	2.3	0.1	0.2	29	1.2	2.4	2.1	0.1	0.2
C95	Leukemia unspecified	17	0.7	1.5	1.4	0.1	0.1	12	0.5	1.0	0.8	0.0	0.1
O&U	Other and unspecified	162	6.5	13.9	10.9	0.7	1.3	135	5.4	11.3	8.3	0.5	0.9
	All sites	**2505**	**100.0**	**214.2**	**171.1**	**9.2**	**20.6**	**2517**	**100.0**	**211.3**	**156.1**	**10.1**	**17.8**

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Table 3.3.4 Percentage of morphologically verified and death certificate only cases, Lampang, 2004-2006

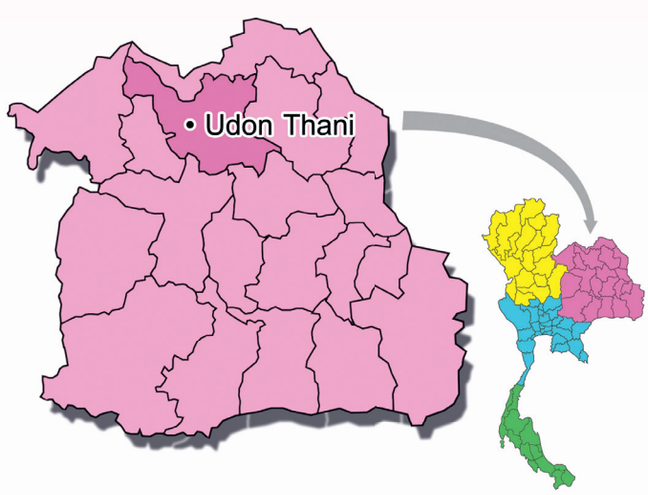
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	59	76.3	15.3	46	73.9	17.4
C09-C10,C14	Oropharynx, etc.	16	50.0	37.5	3	66.7	0.0
C11	Nasopharynx	38	78.9	5.3	21	81.0	0.0
C12-C13	Hypopharynx	9	88.9	11.1	2	100.0	0.0
C15	Esophagus	22	68.2	4.5	10	60.0	10.0
C16	Stomach	72	79.2	5.6	42	69.0	4.8
C17	Small intestine	1	100.0	0.0	7	71.4	14.3
C18-C21	Colon and rectum	218	76.1	5.5	165	72.1	5.5
C22,C24	Liver and bile duct	539	25.8	14.5	229	26.6	12.2
C23	Gallbladder	29	65.5	10.3	38	47.4	7.9
C25	Pancreas	30	26.7	6.7	31	41.9	0.0
C30-C31	Nose, sinuses etc.	13	84.6	0.0	4	100.0	0.0
C32	Larynx	27	81.5	7.4	9	77.8	0.0
C33-C34	Trachea, bronchus and lung	715	69.5	6.9	406	70.2	7.9
C37-C38	Other thoracic organs	0	-	-	1	100.0	0.0
C40-C41	Bone	7	28.6	42.9	8	50.0	25.0
C43	Melanoma of skin	3	100.0	0.0	10	100.0	0.0
C44	Other skin	63	96.8	1.6	93	97.8	0.0
C45	Mesothelioma	0	-	-	1	100.0	0.0
C46	Kaposi sarcoma	1	100.0	0.0	1	100.0	0.0
C47,C49	Connective and soft tissue	10	90.0	0.0	14	78.6	0.0
C50	Breast	3	100.0	0.0	437	92.2	0.9
C51	Vulva				14	85.7	0.0
C52	Vagina				2	100.0	0.0
C53	Cervix uteri				330	78.5	1.5
C54	Corpus uteri				48	81.3	4.2
C55	Uterus unspecified				0	-	-
C56	Ovary				95	68.4	0.0
C51,C52,C57	Other female genital				2	100.0	0.0
C58	Placenta				2	100.0	0.0
C60	Penis	14	85.7	0.0			
C61	Prostate	94	78.7	3.2			
C62	Testis	7	85.7	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	22	68.2	13.6	8	62.5	0.0
C65	Renal pelvis	22	90.9	4.5	7	85.7	0.0
C66	Ureter	2	100.0	0.0	2	100.0	0.0
C67	Bladder	79	88.6	0.0	33	93.9	0.0
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	3	66.7	0.0	1	100.0	0.0
C70-C72	Brain, nervous system	26	53.8	26.9	27	55.6	14.8
C73	Thyroid	13	100.0	0.0	76	96.1	0.0
C74	Adrenal gland	2	50.0	0.0	2	100.0	0.0
C75	Other endocrine	2	100.0	0.0	2	100.0	0.0
C81	Hodgkin's disease	5	100.0	0.0	3	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	91	100.0	0.0	75	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	17	100.0	0.0	19	100.0	0.0
C91-C95	Leukemia	69	100.0	0.0	56	100.0	0.0
O&U	Other and unspecified	162	43.8	15.4	135	34.8	11.9
	All sites	**2505**	**63.4**	**8.5**	**2517**	**73.2**	**4.6**

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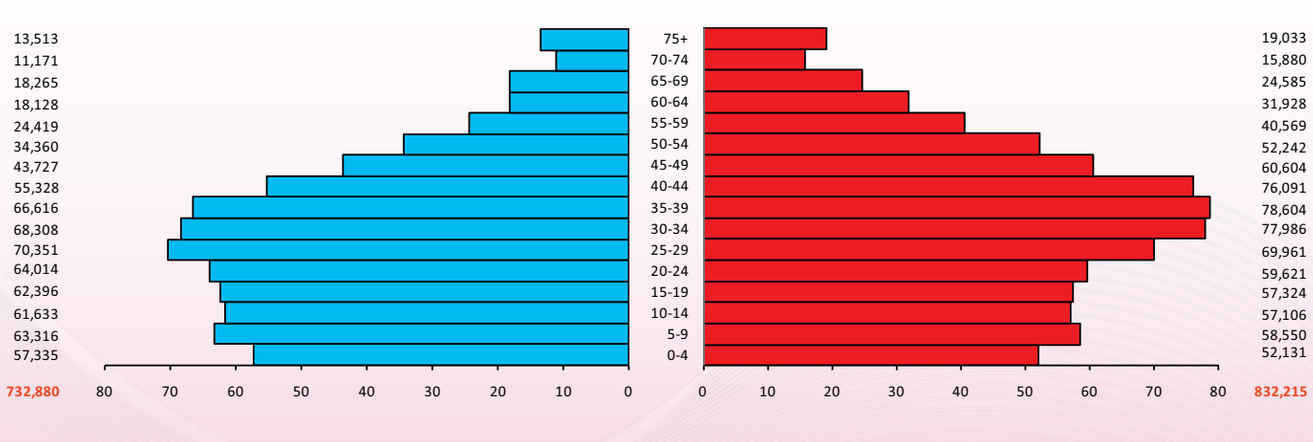
Udon Thani Cancer Registry

Registration area

Udon Thani cancer registry covers the population of Udon Thani province in the northeastern region of Thailand, covering an area of about 11,730 square kilometers. It is located 564 kilometers to the northeast of Bangkok and for administrative purposes is divided into 18 districts and 2 sub-districts. The estimated population in the year 2005 was 1,565,095. About 95% of the population are Buddhists. The remainder are mainly Christians and Moslems.



Population pyramid, Udon Thani, 2005



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Cancer care facilities

Community hospitals are provided in all 18 districts of Udon Thani. One cancer center (Udon Thani regional cancer center) is situated in Mueang district which is the center of the province. The Udon Thani provincial hospital and Prajaksilapakom Military Hospital are the other two large hospitals which have facilities for cancer surgery and chemotherapy. The Udon Thani regional cancer center is the only place that provides radiotherapy services in the province. Patients suspected of having cancer in the health care system and community hospitals are referred to the Udon Thani provincial hospital, Udon Thani regional cancer center or Srinagarind hospital, Khon Kaen.

Registry procedures

Udon Thani cancer registry was established in 2002 at the Udon Thani regional cancer center, and is funded by the Thai National Cancer Institute. It provides treatment facilities, training and education for health personals in the upper northeastern part of Thailand. The registry unit has one part - time expert consultant (Dr. Hutcha Sriplung), a part - time doctor, 3 part - time nurses, one computer statistician and 2 full time clerks.

The data registry are actively collected for cancer cases from two large hospitals (Udon Thani provincial hospital and Prajaksilapakom Military Hospital), one cancer center (Udon Thani cancer center) and passively collected from community hospitals, private hospital in Udon Thani, Srinagarind hospital in Khon Kaen and the National Cancer Institute in Bangkok.

The sources of information on cancer cases are mainly hospital and pathology laboratory records. Each completed case notification form is checked for duplication with computer software for Thai names before entering into the database programme, CanReg4.

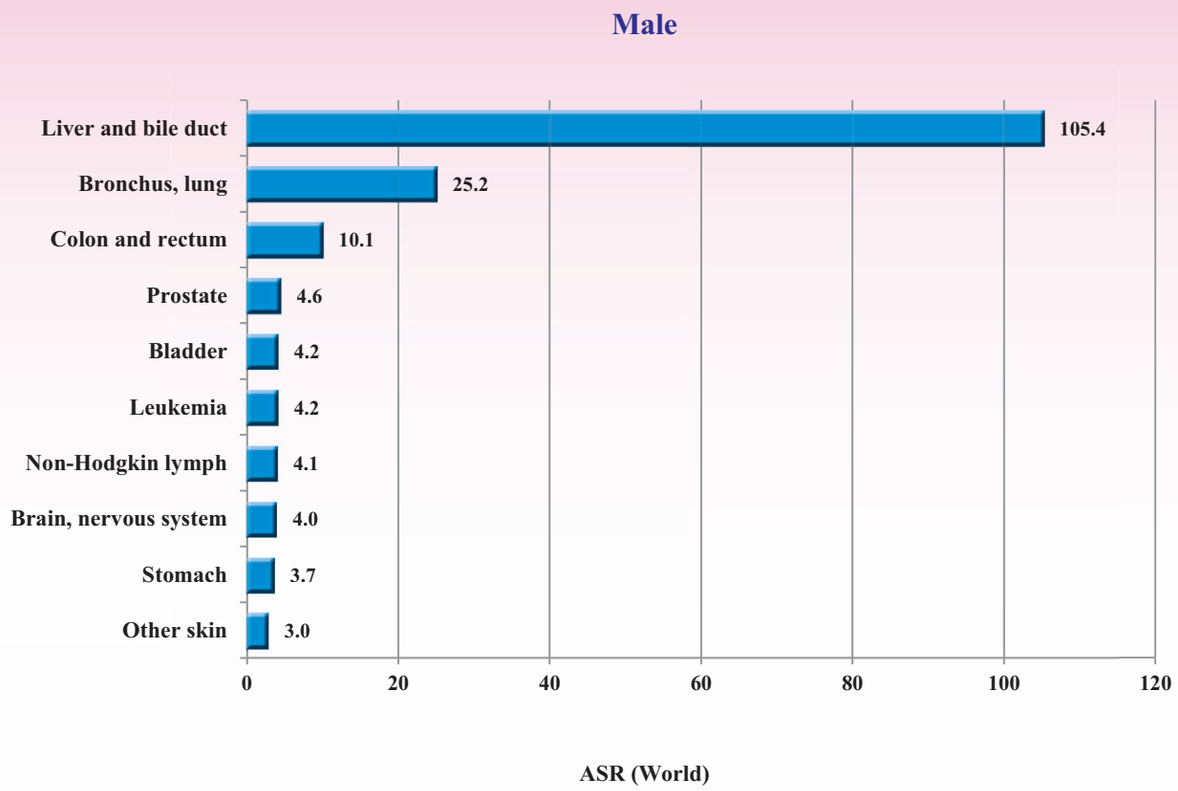
Death certificates are taken from the Udon Thani Population Analytical Center, all being reviewed to match with the cases in the data base, and efforts are made to trace further information before registering the case as a DCO case.

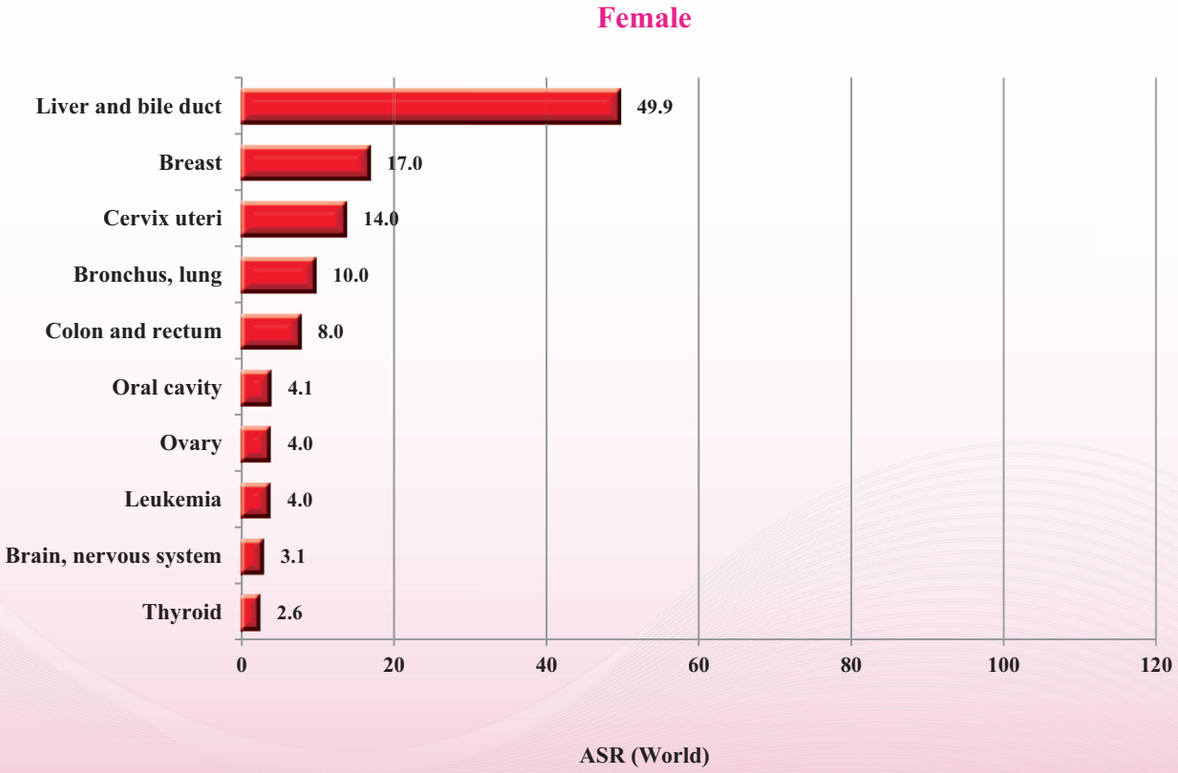
Summary of Results

New cases registered in 2004-2006, 3,836 were males and 3,230 were females, making 7,066 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 198.3 per 100,000, with liver and bile duct cancer ranking first (ASR = 105.4) followed by lung (ASR = 25.2) and colon and rectum (ASR = 10.1). The ASR of all sites in females was 143.2, the three leading cancers being liver and bile duct (ASR = 49.9), breast (ASR = 17.0) and cervix (ASR = 14.0).

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Figure 3.3 Leading cancer in Udon Thani, 2004-2006





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Table 3.4.1 Udon Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	1.1	0.0	0.0	0.0	3.2	0.1	0.1	C00
Tongue	13	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.0	2.8	2.5	0.0	0.0	2.1	3.4	3.2	0.6	0.6	C01-02
Mouth	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.1	1.7	2.2	1.5	4.1	10.2	0.0	0.6	0.7	C03-06
Salivary glands	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.1	1.5	0.0	0.0	0.0	0.1	0.1	C07-08
Tonsil	6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.1	0.7	0.8	0.0	0.0	0.0	0.0	3.2	0.3	0.3	C09
Other oropharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7	0.0	0.0	0.0	2.1	0.0	0.0	0.1	0.1	C10
Nasopharynx	59	0.0	0.5	0.0	0.5	0.5	0.5	1.5	2.1	4.0	4.2	12.7	10.0	6.0	4.1	6.8	9.6	2.6	2.6	C11
Hypopharynx	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	2.2	1.5	2.1	0.0	3.2	0.3	0.4	C12-13
Pharynx unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	0.0	1.1	0.0	0.0	0.0	0.0	0.2	0.2	C14
Esophagus	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.7	2.5	3.3	3.0	8.2	6.8	9.6	0.9	1.1	C15
Stomach	73	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	4.5	2.1	4.2	18.8	10.4	26.7	20.4	28.8	3.2	3.7	C16
Small intestine	5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	3.2	0.2	0.3	C17
Colon	110	0.0	0.0	0.0	0.0	0.5	1.0	2.5	3.1	4.5	7.6	11.0	15.5	22.3	20.5	54.5	28.8	4.8	5.5	C18
Rectum	90	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.6	2.8	10.4	9.3	13.3	26.8	16.4	30.6	19.2	3.9	4.6	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C21
Liver and bile duct	2010	2.1	0.0	0.0	0.0	2.7	4.7	11.5	33.6	58.3	105.6	228.9	352.8	494.0	634.7	735.5	645.6	87.9	105.4	C22,C24
Gallbladder	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.7	1.1	3.0	14.4	10.2	3.2	0.7	1.0	C23
Pancreas	27	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.4	1.4	2.5	3.3	4.5	4.1	6.8	16.0	1.2	1.3	C25
Nose, sinuses etc.	13	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.1	2.5	1.1	3.0	0.0	0.0	3.2	0.6	0.6	C30-31
Larynx	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.5	3.3	7.4	4.1	13.6	3.2	0.9	1.1	C32
Trachea, Bronchus, and lung	477	0.0	0.0	0.0	0.5	0.0	5.7	12.5	13.4	13.6	21.5	30.4	52.0	104.2	180.8	221.3	169.4	20.9	25.2	C33-34
Other thoracic organs	7	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.1	1.5	2.1	0.0	0.0	0.3	0.3	C37-38
Bone	41	0.0	0.0	1.0	2.0	1.1	0.5	0.0	0.0	0.6	0.0	5.1	8.8	10.4	10.3	6.8	9.6	1.8	2.1	C40-C41
Melanoma of skin	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.1	0.0	2.1	0.0	0.0	0.2	0.2	C43
Other skin	55	0.0	0.0	0.0	0.0	0.0	0.5	1.5	0.5	0.6	3.5	5.9	4.4	11.9	12.3	27.2	35.2	2.4	3.0	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	12	0.0	0.0	0.5	1.0	0.5	1.0	0.0	0.5	1.1	0.0	0.0	0.0	1.5	0.0	6.8	0.0	0.5	0.6	C47,C49
Breast	8	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.7	0.0	1.7	2.2	0.0	0.0	0.0	0.0	0.4	0.3	C50
Penis	29	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.7	2.8	3.4	6.6	4.5	2.1	10.2	6.4	1.3	1.4	C60
Prostate	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.5	13.4	12.3	78.3	89.5	3.2	4.6	C61
Testis	10	0.5	0.0	0.5	0.0	0.0	1.0	0.5	0.0	0.6	0.7	0.8	2.2	0.0	0.0	0.0	0.0	0.4	0.4	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	22	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	1.1	2.1	4.2	6.6	0.0	2.1	3.4	3.2	1.0	1.0	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	76	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	0.6	3.5	6.8	8.8	7.4	47.2	37.5	35.2	3.3	4.2	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	4	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C69
Brain, nervous system	87	0.5	1.4	1.4	2.5	1.6	1.6	3.5	6.2	3.4	5.6	3.4	4.4	16.4	12.3	23.8	12.8	3.8	4.0	C70-72
Thyroid	15	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.6	0.0	1.7	1.1	3.0	4.1	10.2	3.2	0.7	0.8	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C75
Hodgkin disease	12	1.0	0.9	0.0	0.0	0.0	0.0	1.0	0.5	0.6	0.0	1.7	0.0	3.0	0.0	0.0	0.0	0.5	0.5	C81
Non-Hodgkin lymphoma	86	1.0	0.0	0.5	0.5	1.6	0.0	3.0	2.6	3.4	5.6	12.7	11.1	8.9	24.6	20.4	16.0	3.8	4.1	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7	2.5	2.2	3.0	8.2	3.4	3.2	0.7	0.8	C90
Lymphoid leukemia	17	2.6	0.9	1.9	0.0	0.0	0.0	0.0	0.5	0.6	0.0	0.8	1.1	1.5	0.0	0.0	3.2	0.7	0.9	C91
Myeloid leukemia	33	0.5	0.5	0.5	0.5	0.5	0.5	2.5	2.6	1.7	0.0	1.7	4.4	6.0	4.1	3.4	3.2	1.4	1.4	C92-94
Leukemia unspecified	41	2.6	0.5	1.0	1.5	0.5	2.6	0.5	3.1	0.6	1.4	3.4	3.3	3.0	2.1	6.8	6.4	1.8	1.9	C95
Other and unspecified	209	0.5	0.5	0.0	0.5	1.6	4.2	6.0	6.2	6.2	10.4	16.0	32.1	55.1	51.4	64.7	51.1	9.1	10.5	O&U
All sites	**3,836**	**12.4**	**7.6**	**8.7**	**12.1**	**11.9**	**25.5**	**51.2**	**84.3**	**118.9**	**205.0**	**391.9**	**589.5**	**839.2**	**1127.7**	**1423.3**	**1230.6**	**167.8**	**198.3**	

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Table 3.4.2 Udon Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	25	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.6	0.0	0.0	3.1	5.4	9.1	11.0	15.8	1.1	1.2	C00
Tongue	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	2.0	0.0	7.3	5.5	0.0	0.4	0.4	C01-02
Mouth	48	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.6	0.7	1.6	10.2	12.2	9.1	22.0	20.4	2.1	2.3	C03-06
Salivary glands	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7	1.6	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C07-08
Tonsil	3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.1	0.1	C09
Other oropharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.3	0.1	0.1	C10
Nasopharynx	25	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.0	1.7	1.4	2.4	3.1	4.1	10.9	2.8	2.3	1.1	1.1	C11
Hypopharynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.0	0.0	3.6	2.8	0.0	0.2	0.2	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	11	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.8	3.1	1.4	1.8	2.8	4.5	0.5	0.5	C15
Stomach	38	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6	3.9	2.7	2.4	6.1	5.4	3.6	2.8	9.1	1.7	1.5	C16
Small intestine	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	2.8	2.3	0.1	0.1	C17
Colon	101	0.0	0.0	0.0	0.0	0.0	2.1	4.0	2.1	0.6	6.1	10.4	7.2	19.0	40.1	19.3	27.2	4.5	4.6	C18
Rectum	72	0.0	0.0	0.0	0.0	0.6	0.0	1.0	2.6	2.2	2.7	5.6	13.3	12.2	12.8	35.8	15.8	3.2	3.3	C19-20
Anus	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.4	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	1059	0.6	0.5	0.0	0.0	1.7	4.8	5.0	13.9	24.8	44.9	95.7	155.7	269.4	326.1	338.9	280.6	46.8	49.9	C22,C24
Gallbladder	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	3.1	10.8	3.6	8.3	6.8	0.9	1.0	C23
Pancreas	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.4	0.8	1.0	6.8	14.6	2.8	2.3	1.0	1.1	C25
Nose, sinuses etc.	10	0.0	0.0	0.0	0.0	0.0	0.5	1.5	1.0	0.6	0.0	0.0	1.0	1.4	0.0	2.8	0.0	0.4	0.4	C30-31
Larynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	1.0	0.0	0.0	0.0	0.0	0.1	0.1	C32
Trachea, Bronchus, and lung	230	0.0	0.0	0.5	0.5	1.2	9.0	10.5	8.7	8.8	10.9	19.1	26.6	40.6	43.7	52.4	36.2	10.2	10.0	C33-34
Other thoracic organs	4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	1.4	0.0	2.8	0.0	0.2	0.2	C37-38
Bone	40	0.0	0.0	1.6	1.1	1.2	0.5	0.5	1.0	1.1	2.7	0.0	7.2	4.1	10.9	11.0	6.8	1.8	1.8	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.0	2.8	0.0	0.1	0.2	C43
Other skin	49	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.6	1.4	2.4	2.0	8.1	9.1	24.8	40.7	2.2	2.3	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	14	0.0	1.0	0.0	0.0	0.6	0.0	0.5	0.0	0.6	1.4	2.4	1.0	1.4	0.0	0.0	4.5	0.6	0.6	C47,C49
Breast	421	0.0	0.0	0.5	0.0	0.0	4.3	11.0	19.5	33.6	64.6	55.0	50.2	54.1	31.0	35.8	18.1	18.6	17.0	C50
Vulva	11	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	1.0	2.7	7.3	5.5	0.0	0.5	0.6	C51
Vagina	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	1.8	0.0	4.5	0.3	0.3	C52
Cervix uteri	344	0.0	0.0	0.0	0.0	0.0	3.2	9.5	18.5	22.0	36.7	47.1	62.5	29.8	34.6	46.8	24.9	15.2	14.0	C53
Corpus uteri	40	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.2	3.4	7.2	9.2	6.8	7.3	2.8	0.0	1.8	1.7	C54
Uterus unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	0.0	1.8	0.0	0.0	0.2	0.2	C55
Ovary	102	0.0	0.5	1.0	0.0	2.9	1.1	3.0	5.7	11.0	12.2	10.4	8.2	8.1	0.0	11.0	13.6	4.5	4.0	C56
Other female genital	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	2	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C58
Kidney	9	1.1	0.0	0.0	0.5	0.6	0.0	0.0	0.5	0.0	0.0	0.8	1.0	0.0	0.0	2.8	2.3	0.4	0.4	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.7	0.0	1.0	1.4	0.0	5.5	2.3	0.4	0.4	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.1	C68
Eye	3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C69
Brain, nervous system	70	0.6	2.6	1.0	1.1	1.7	1.6	0.5	4.1	3.3	4.8	2.4	7.2	13.5	14.6	2.8	6.8	3.1	3.1	C70-72
Thyroid	68	0.0	0.0	0.0	2.2	0.6	2.1	3.5	7.7	5.5	5.4	4.8	2.0	1.4	9.1	5.5	6.8	3.0	2.6	C73
Adrenal gland	2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	5	0.0	0.0	0.0	0.0	0.0	1.1	0.5	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C75
Hodgkin disease	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.8	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	58	0.0	0.0	1.0	0.5	1.2	0.0	1.5	3.1	2.2	0.7	4.8	9.2	8.1	12.8	22.0	6.8	2.6	2.6	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.7	3.6	8.3	0.0	0.4	0.4	C90
Lymphoid leukemia	9	2.3	0.0	0.5	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.4	0.5	C91
Myeloid leukemia	30	0.0	0.0	2.1	1.1	1.2	1.1	0.0	3.1	0.6	1.4	2.4	1.0	2.7	3.6	5.5	2.3	1.3	1.3	C92-94
Leukemia unspecified	49	2.3	0.5	1.6	0.5	0.6	2.1	1.5	4.1	0.6	2.0	4.0	4.1	5.4	7.3	5.5	2.3	2.2	2.2	C95
Other and unspecified	170	0.0	0.0	0.0	0.5	1.2	2.1	2.5	5.1	5.0	12.9	16.0	23.6	19.0	56.5	38.6	40.7	7.5	7.6	O&U
All sites	**3,230**	**7.9**	**6.6**	**9.8**	**9.2**	**16.3**	**37.2**	**61.7**	**109.4**	**138.3**	**225.9**	**303.1**	**435.2**	**564.5**	**701.3**	**755.0**	**608.8**	**142.6**	**143.2**	

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Table 3.4.3 Annual incidence, Udon Thani, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	3	0.1	0.1	0.1	0.0	0.0	25	0.8	1.1	1.2	0.0	0.1
C01-02	Tongue	13	0.3	0.6	0.6	0.0	0.1	9	0.3	0.4	0.4	0.0	0.1
C03-06	Mouth	14	0.4	0.6	0.7	0.0	0.1	48	1.5	2.1	2.3	0.1	0.3
C07-08	Salivary glands	3	0.1	0.1	0.1	0.0	0.0	4	0.1	0.2	0.2	0.0	0.0
C09	Tonsil	6	0.2	0.3	0.3	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C10	Other oropharynx	3	0.1	0.1	0.1	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C11	Nasopharynx	59	1.5	2.6	2.6	0.2	0.3	25	0.8	1.1	1.1	0.1	0.1
C12-13	Hypopharynx	7	0.2	0.3	0.4	0.0	0.0	5	0.2	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	4	0.1	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	20	0.5	0.9	1.1	0.1	0.1	11	0.3	0.5	0.5	0.0	0.1
C16	Stomach	73	1.9	3.2	3.7	0.2	0.4	38	1.2	1.7	1.5	0.1	0.2
C17	Small intestine	5	0.1	0.2	0.3	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C18	Colon	110	2.9	4.8	5.5	0.3	0.7	101	3.1	4.5	4.6	0.3	0.6
C19-20	Rectum	90	2.3	3.9	4.6	0.3	0.6	72	2.2	3.2	3.3	0.2	0.4
C21	Anus	1	0.0	0.0	0.0	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	2010	52.4	87.9	105.4	6.5	13.3	1059	32.8	46.8	49.9	3.1	6.4
C23	Gallbladder	17	0.4	0.7	1.0	0.0	0.2	21	0.7	0.9	1.0	0.1	0.1
C25	Pancreas	27	0.7	1.2	1.3	0.1	0.1	22	0.7	1.0	1.1	0.1	0.1
C30-31	Nose, sinuses etc.	13	0.3	0.6	0.6	0.1	0.1	10	0.3	0.4	0.4	0.0	0.0
C32	Larynx	20	0.5	0.9	1.1	0.1	0.2	3	0.1	0.1	0.1	0.0	0.0
C33-34	Trachea, Bronchus, and lung	477	12.4	20.9	25.2	1.3	3.3	230	7.1	10.2	10.0	0.7	1.2
C37-38	Other thoracic organs	7	0.2	0.3	0.3	0.0	0.0	4	0.1	0.2	0.2	0.0	0.0
C40-C41	Bone	41	1.1	1.8	2.1	0.1	0.2	40	1.2	1.8	1.8	0.1	0.2
C43	Melanoma of skin	4	0.1	0.2	0.2	0.0	0.0	3	0.1	0.1	0.2	0.0	0.0
C44	Other skin	55	1.4	2.4	3.0	0.1	0.3	49	1.5	2.2	2.3	0.1	0.2
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	12	0.3	0.5	0.6	0.0	0.1	14	0.4	0.6	0.6	0.0	0.0
C50	Breast	8	0.2	0.4	0.3	0.0	0.0	421	13.0	18.6	17.0	1.5	1.8
C51	Vulva							11	0.3	0.5	0.6	0.0	0.1
C52	Vagina							7	0.2	0.3	0.3	0.0	0.0
C53	Cervix uteri							344	10.7	15.2	14.0	1.1	1.6
C54	Corpus uteri							40	1.2	1.8	1.7	0.2	0.2
C55	Uterus unspecified							4	0.1	0.2	0.2	0.0	0.0
C56	Ovary							102	3.2	4.5	4.0	0.3	0.4
C57	Other female genital							1	0.0	0.0	0.0	0.0	0.0
C58	Placenta							2	0.1	0.1	0.1	0.0	0.0
C60	Penis	29	0.8	1.3	1.4	0.1	0.2						
C61	Prostate	73	1.9	3.2	4.6	0.1	0.6						
C62	Testis	10	0.3	0.4	0.4	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	22	0.6	1.0	1.0	0.1	0.1	9	0.3	0.4	0.4	0.0	0.0
C65	Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	76	2.0	3.3	4.2	0.1	0.6	10	0.3	0.4	0.4	0.0	0.1
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.1	0.0	0.0
C69	Eye	4	0.1	0.2	0.2	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C70-72	Brain, nervous system	87	2.3	3.8	4.0	0.3	0.4	70	2.2	3.1	3.1	0.2	0.3
C73	Thyroid	15	0.4	0.7	0.8	0.0	0.1	68	2.1	3.0	2.6	0.2	0.2
C74	Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C75	Other endocrine	4	0.1	0.2	0.2	0.0	0.0	5	0.2	0.2	0.2	0.0	0.0
C81	Hodgkin disease	12	0.3	0.5	0.5	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	86	2.2	3.8	4.1	0.3	0.5	58	1.8	2.6	2.6	0.2	0.3
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	15	0.4	0.7	0.8	0.0	0.1	8	0.2	0.4	0.4	0.0	0.1
C91	Lymphoid leukemia	17	0.4	0.7	0.9	0.0	0.0	9	0.3	0.4	0.5	0.0	0.0
C92-94	Myeloid leukemia	33	0.9	1.4	1.4	0.1	0.1	30	0.9	1.3	1.3	0.1	0.1
C95	Leukemia unspecified	41	1.1	1.8	1.9	0.1	0.2	49	1.5	2.2	2.2	0.1	0.2
O&U	Other and unspecified	209	5.4	9.1	10.5	0.7	1.3	170	5.3	7.5	7.6	0.4	0.9
	All sites	**3836**	**100.0**	**167.8**	**198.3**	**11.8**	**24.5**	**3230**	**100.0**	**142.6**	**143.2**	**9.6**	**16.9**

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Table 3.4.4 Percentage of morphologically verified and death certificate only cases, Udon Thani, 2004-2006

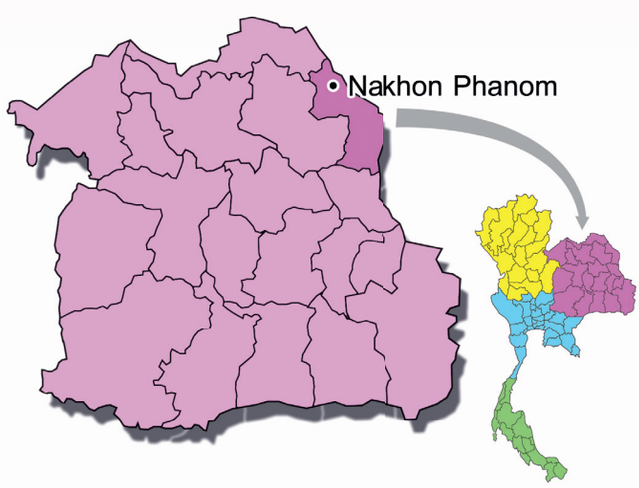
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	33	87.9	0.0	86	79.1	0.0
C09-C10,C14	Oropharynx, etc.	13	69.2	0.0	5	20.0	0.0
C11	Nasopharynx	59	86.4	0.0	25	76.0	0.0
C12-C13	Hypopharynx	7	85.7	0.0	5	100.0	0.0
C15	Esophagus	20	55.0	5.0	11	18.2	9.1
C16	Stomach	73	57.5	5.5	38	52.6	15.8
C17	Small intestine	5	80.0	0.0	3	66.7	0.0
C18-C21	Colon and rectum	201	65.2	1.5	176	60.8	4.5
C22,C24	Liver and bile duct	2010	9.5	15.8	1059	11.8	14.7
C23	Gallbladder	17	70.6	0.0	21	42.9	0.0
C25	Pancreas	27	14.8	11.1	22	27.3	4.5
C30-C31	Nose, sinuses etc.	13	76.9	0.0	10	50.0	10.0
C32	Larynx	20	60.0	5.0	3	66.7	33.3
C33-C34	Trachea, bronchus and lung	477	30.2	14.0	230	25.7	18.3
C37-C38	Other thoracic organs	7	57.1	0.0	4	25.0	25.0
C40-C41	Bone	41	24.4	22.0	40	27.5	15.0
C43	Melanoma of skin	4	75.0	25.0	3	100.0	0.0
C44	Other skin	55	87.3	3.6	49	87.8	2.0
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	1	100.0	0.0	0	-	-
C47,C49	Connective and soft tissue	12	91.7	0.0	14	100.0	0.0
C50	Breast	8	100.0	0.0	421	87.4	1.9
C51	Vulva				11	90.9	0.0
C52	Vagina				7	100.0	0.0
C53	Cervix uteri				344	84.9	3.2
C54	Corpus uteri				40	95.0	0.0
C55	Uterus unspecified				4	100.0	0.0
C56	Ovary				102	75.5	0.0
C51,C52,C57	Other female genital				1	100.0	0.0
C58	Placenta				2	100.0	0.0
C60	Penis	29	82.8	0.0			
C61	Prostate	73	74.0	0.0			
C62	Testis	10	90.0	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	22	68.2	0.0	9	77.8	0.0
C65	Renal pelvis	0	-	-	0	-	-
C66	Ureter	0	-	-	0	-	-
C67	Bladder	76	78.9	1.3	10	90.0	0.0
C68	Other urinary organs	0	-	-	1	100.0	0.0
C69	Eye	4	75.0	25.0	3	33.3	0.0
C70-C72	Brain, nervous system	87	34.5	16.1	70	27.1	11.4
C73	Thyroid	15	73.3	0.0	68	85.3	0.0
C74	Adrenal gland	0	-	-	2	100.0	0.0
C75	Other endocrine	4	50.0	0.0	5	60.0	0.0
C81	Hodgkin's disease	12	100.0	0.0	2	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	86	100.0	0.0	58	96.6	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	15	86.7	0.0	8	100.0	0.0
C91-C95	Leukemia	91	92.3	0.0	88	90.9	0.0
O&U	Other and unspecified	209	38.3	16.7	170	32.4	15.9
	All sites	**3836**	**31.9**	**12.0**	**3230**	**49.6**	**8.6**

Cancer in thailand.indd 91 6/11/2555 9:24:27

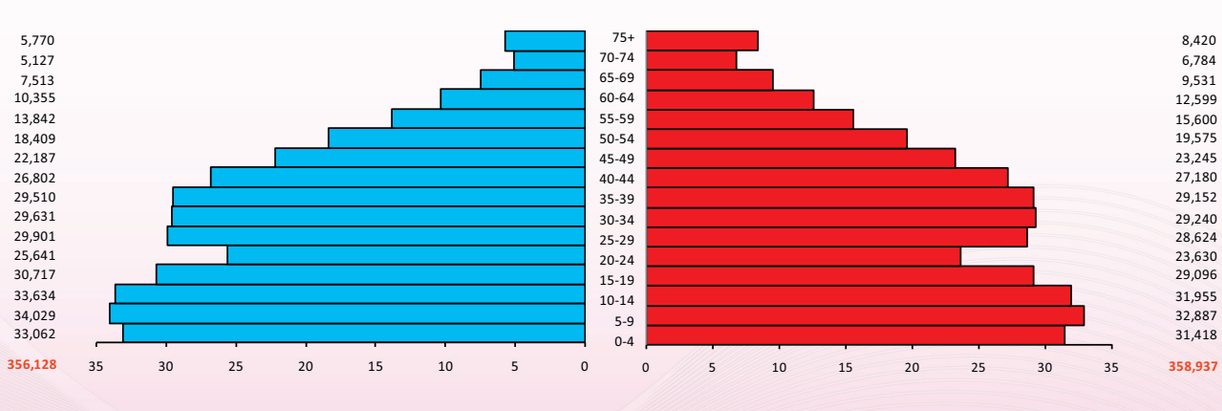
Nakhon Phanom Cancer Registry

Registration area

Nakhon Phanom, which is 740 kilometers from Bangkok, covers an area of 5,512 square kilometers, at a latitude 17:23 N and longitude 104: 43 E, 142 meters above sea level, and is comprised of the following; Mueang Nakhon Phanom, Pla Pak, Tha Uthen, Phon Sawan, Ban Phaeng, That Phanom, Renu Nakhon, Na Kae, Si Song-khram, Na Wa, Na Thom districts and Wang Yang sub-district. Nakhon Phanom is located on the bank of the Maekong River, across which Laotians and people from other ethnic groups have migrated throughout history,. This recurring pattern of migration has left its mark on the local dialects, customs and cuisine of Nakhon Phanom.



Population pyramid, Nakhon Phanom, 2005



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Cancer care facilities

Thailand has a national health care system. At the primary health care level, there are no facilities for specialized cancer diagnosis and treatment. The provincial hospital is a general hospital. At the provincial level, there are facilities for cancer surgery, but not chemotherapy or radiotherapy. Most cancer patients are referred to cancer centers and other hospitals for diagnosis and treatment. Cancer surgery services are provided at Nakhon Phanom provincial hospital. The cancer patients are referred for surgery, chemotherapy and radiotherapy to Udon Thani and Ubon Ratchathani cancer centers or other hospitals in Khon Kaen and Bangkok.

Registry procedures

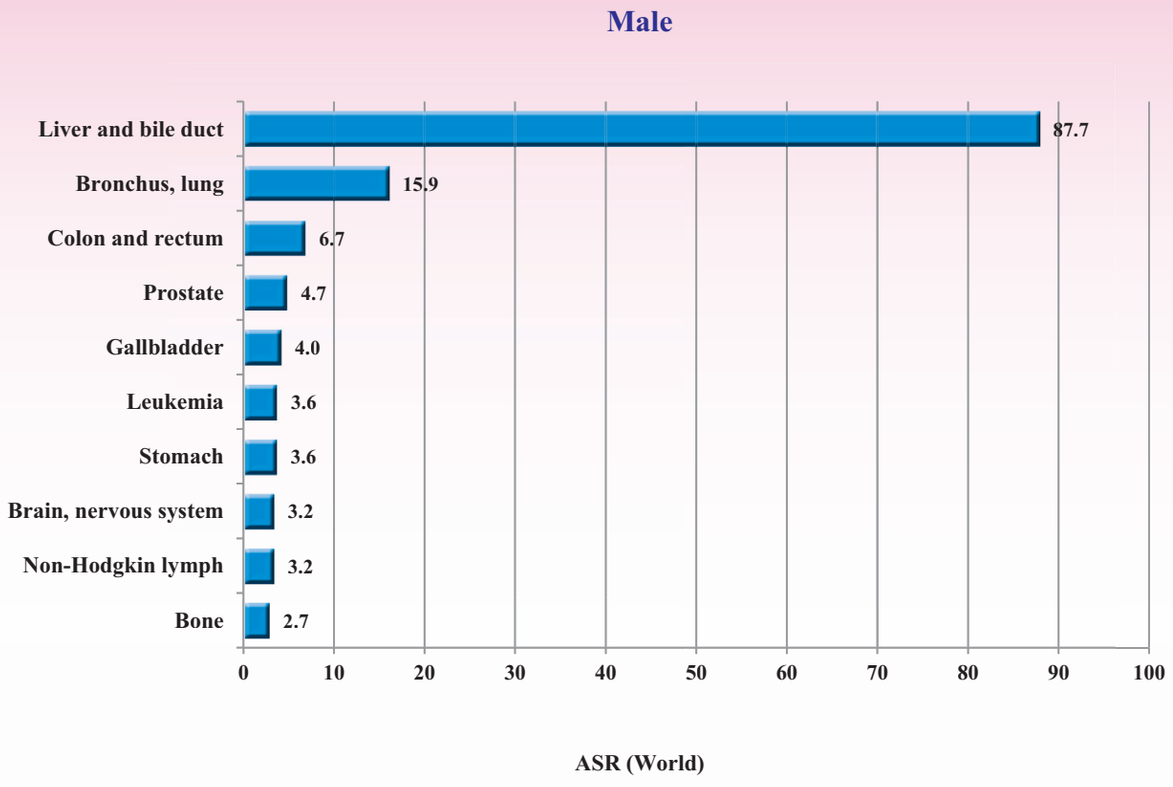
The population-based cancer registry of Nakhon Phanom province was set up at the National Cancer Institute, Bangkok in 1997. The sources of information are all hospitals in Nakhon Phanom province, Udon Thani cancer registry, Ubon Ratchathani cancer registry, Khon Kaen cancer registry and Bangkok cancer registry.

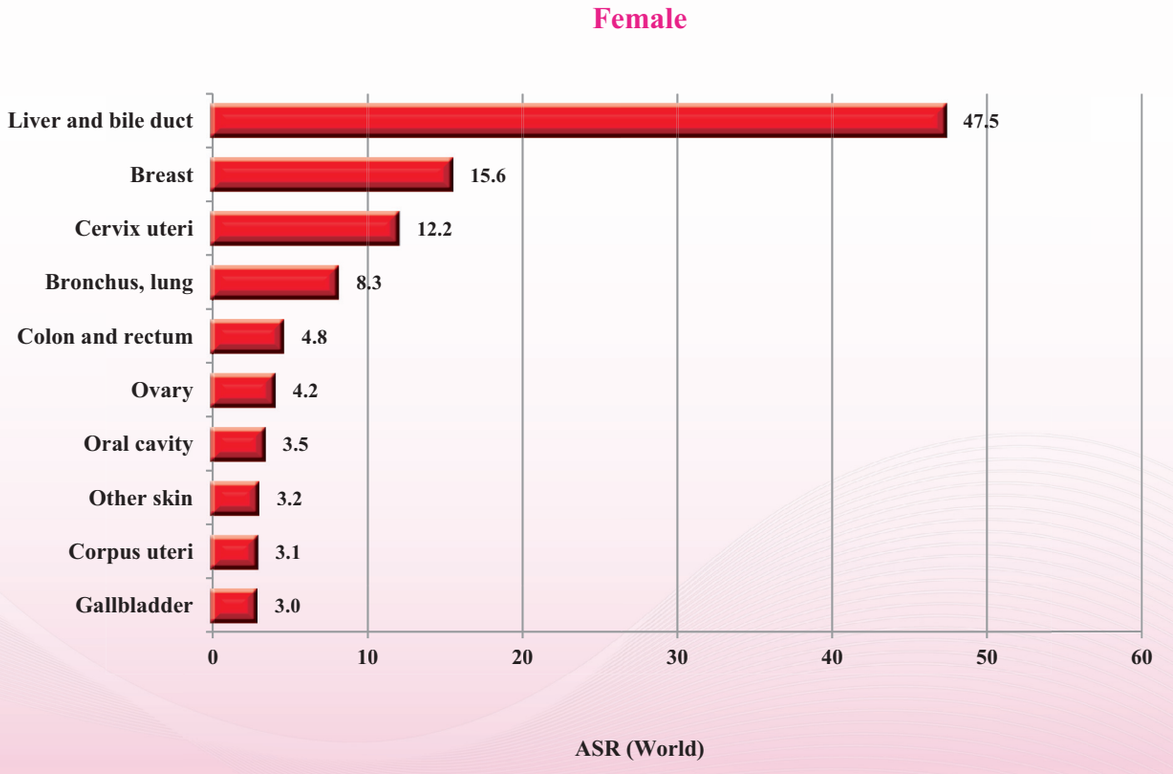
Summary of Results

New cases registered in 2004-2006, 1,604 were males and 1,578 were females, making 3,182 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 173.6 per 100,000, with liver and bile duct ranking first (ASR = 87.7), followed by lung (ASR = 15.9) and colon and rectum (ASR = 6.7). The ASR of all sites in females was 140.5, the three leading cancers being liver and bile duct (ASR = 47.5), breast (ASR = 15.6) and cervix (ASR = 12.2).

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Figure 3.4 Leading cancer in Nakhon Phanom, 2004-2006





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Table 3.5.1 Nakhon Phanom (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C00
Tongue	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.8	0.0	0.0	0.0	6.5	0.0	0.3	0.3	C01-02
Mouth	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	9.1	2.4	0.0	4.4	13.0	11.6	1.2	1.3	C03-06
Salivary glands	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.4	0.0	0.0	0.2	0.3	C07-08
Tonsil	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.1	0.1	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.1	0.1	C10
Nasopharynx	20	0.0	0.0	0.0	0.0	1.3	1.1	0.0	1.1	2.5	1.5	10.9	7.2	6.4	0.0	13.0	5.8	1.9	2.0	C11
Hypopharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	13.0	0.0	0.3	0.4	C12-13
Pharynx unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	4.8	0.0	0.0	0.0	0.0	0.3	0.3	C14
Esophagus	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	0.0	2.4	0.0	8.9	0.0	5.8	0.6	0.6	C15
Stomach	32	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.2	3.0	9.1	7.2	16.1	17.7	39.0	23.1	3.0	3.6	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.1	0.1	C17
Colon	45	0.0	0.0	0.0	0.0	1.3	0.0	0.0	2.3	3.7	3.0	7.2	14.4	19.3	31.1	52.0	34.7	4.2	5.0	C18
Rectum	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	10.9	2.4	0.0	4.4	13.0	23.1	1.5	1.7	C19-20
Anus	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C21
Liver and bile duct	806	0.0	0.0	0.0	0.0	0.0	2.2	7.9	13.6	59.7	102.2	206.4	366.0	453.9	523.5	481.1	404.4	75.4	87.7	C22,C24
Gallbladder	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.0	9.1	16.9	16.1	22.2	26.0	40.4	3.4	4.0	C23
Pancreas	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.2	0.0	4.4	0.0	5.8	0.6	0.6	C25
Nose, sinuses etc.	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	6.5	0.0	0.2	0.2	C30-31
Larynx	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.2	4.4	19.5	17.3	1.0	1.3	C32
Trachea, Bronchus, and lung	145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	8.7	13.5	32.6	62.6	67.6	79.9	143.0	104.0	13.6	15.9	C33-34
Other thoracic organs	5	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.1	0.0	1.5	0.0	2.4	3.2	0.0	0.0	0.0	0.5	0.5	C37-38
Bone	28	0.0	1.0	0.0	4.3	2.6	3.3	0.0	1.1	3.7	3.0	7.2	7.2	6.4	8.9	0.0	5.8	2.6	2.7	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	3.2	0.0	6.5	0.0	0.3	0.3	C43
Other skin	18	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.2	1.5	1.8	0.0	12.9	13.3	6.5	23.1	1.7	2.0	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	6	0.0	1.0	0.0	1.1	0.0	0.0	0.0	0.0	1.2	0.0	3.6	0.0	0.0	0.0	0.0	5.8	0.6	0.6	C47,C49
Breast	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.1	0.1	C50
Penis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	0.0	0.0	0.0	0.2	0.2	C60
Prostate	39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.6	9.7	26.6	65.0	80.9	3.7	4.7	C61
Testis	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	0.0	0.0	0.0	0.0	6.5	0.0	0.3	0.3	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C63
Kidney	6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.4	0.0	13.3	0.0	0.0	0.6	0.7	C64
Renal pelvis	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	3.2	0.0	0.0	5.8	0.3	0.3	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.1	0.1	C66
Bladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.2	8.9	13.0	0.0	0.7	0.8	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C68
Eye	3	0.0	1.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.3	0.3	C69
Brain, nervous system	33	0.0	0.0	1.0	0.0	1.3	1.1	2.2	6.8	2.5	1.5	5.4	12.0	22.5	8.9	13.0	0.0	3.1	3.2	C70-72
Thyroid	11	0.0	0.0	0.0	0.0	1.3	0.0	1.1	3.4	0.0	0.0	1.8	0.0	6.4	0.0	13.0	5.8	1.0	1.1	C73
Adrenal gland	2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C74
Other endocrine	2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C75
Hodgkin disease	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	32	0.0	0.0	1.0	0.0	1.3	2.2	0.0	6.8	3.7	1.5	1.8	7.2	16.1	13.3	13.0	23.1	3.0	3.2	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	3.2	0.0	0.0	5.8	0.3	0.3	C90
Lymphoid leukemia	28	1.0	1.0	3.0	1.1	1.3	0.0	1.1	2.3	1.2	1.5	3.6	7.2	16.1	13.3	0.0	17.3	2.6	2.9	C91
Myeloid leukemia	5	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.5	0.4	C92-94
Leukemia unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.8	2.4	0.0	0.0	0.0	0.0	0.3	0.3	C95
Other and unspecified	205	0.0	0.0	0.0	2.2	0.0	1.1	4.5	2.3	9.9	36.1	43.5	93.9	96.6	110.9	156.0	127.1	19.2	22.2	O&U
All sites	**1,604**	**3.0**	**4.9**	**5.0**	**8.7**	**13.0**	**13.4**	**21.4**	**56.5**	**107.0**	**187.8**	**374.8**	**655.0**	**791.9**	**936.2**	**1124.7**	**993.7**	**150.1**	**173.6**	

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Table 3.5.2 Nakhon Phanom (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.6	10.5	4.9	4.0	0.7	0.7	C00
Tongue	7	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.0	1.2	0.0	1.7	2.1	0.0	0.0	0.0	7.9	0.7	0.6	C01-02
Mouth	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	6.4	5.3	7.0	14.7	51.5	2.2	2.1	C03-06
Salivary glands	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.2	0.2	C07-08
Tonsil	4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	4.0	0.4	0.4	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	8	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.2	1.4	1.7	0.0	0.0	0.0	14.7	4.0	0.7	0.7	C11
Hypopharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.5	0.0	0.0	0.2	0.2	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.1	0.1	C14
Esophagus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.1	0.1	C15
Stomach	26	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.5	5.7	5.1	4.3	10.6	3.5	14.7	19.8	2.4	2.3	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.1	0.1	C17
Colon	36	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.2	5.7	10.2	10.7	13.2	7.0	24.6	23.8	3.3	3.2	C18
Rectum	16	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.1	0.0	2.9	1.7	6.4	0.0	10.5	19.7	4.0	1.5	1.5	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.1	0.1	C21
Liver and bile duct	523	0.0	0.0	0.0	1.1	0.0	0.0	5.7	12.6	42.9	61.7	120.9	226.5	222.2	230.8	280.1	174.2	48.6	47.5	C22,C24
Gallbladder	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	1.4	1.7	12.8	18.5	28.0	19.7	11.9	3.0	3.0	C23
Pancreas	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.6	7.0	9.8	0.0	0.6	0.6	C25
Nose, sinuses etc.	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	2.1	2.6	0.0	0.0	7.9	0.5	0.4	C30-31
Larynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.1	0.1	C32
Trachea, Bronchus, and lung	90	0.0	0.0	0.0	0.0	0.0	1.2	0.0	4.6	7.4	11.5	20.4	19.2	37.0	52.5	73.7	23.8	8.4	8.3	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	4.0	0.2	0.2	C37-38
Bone	21	0.0	0.0	1.0	1.1	1.4	1.2	0.0	0.0	2.5	0.0	1.7	4.3	10.6	10.5	19.7	4.0	2.0	2.0	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	4.9	0.0	0.3	0.3	C43
Other skin	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	13.2	28.0	29.5	47.5	3.2	3.2	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	14	0.0	0.0	0.0	0.0	1.4	4.7	1.1	0.0	1.2	2.9	3.4	2.1	2.6	0.0	0.0	4.0	1.3	1.2	C47,C49
Breast	186	0.0	0.0	0.0	0.0	0.0	3.5	6.8	24.0	33.1	50.2	76.6	42.7	34.4	21.0	44.2	4.0	17.3	15.6	C50
Vulva	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.1	0.0	3.5	9.8	0.0	0.5	0.5	C51
Vagina	3	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	C52
Cervix uteri	141	0.0	0.0	0.0	0.0	1.4	0.0	2.3	14.9	14.7	33.0	40.9	51.3	34.4	35.0	44.2	39.6	13.1	12.2	C53
Corpus uteri	34	0.0	1.0	1.0	0.0	1.4	1.2	0.0	3.4	0.0	2.9	8.5	25.6	10.6	10.5	4.9	0.0	3.2	3.1	C54
Uterus unspecified	12	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3	1.2	0.0	0.0	4.3	0.0	7.0	4.9	4.0	1.1	1.0	C55
Ovary	50	1.1	0.0	0.0	1.1	1.4	1.2	6.8	4.6	6.1	12.9	17.0	17.1	2.6	3.5	4.9	4.0	4.6	4.2	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C58
Kidney	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.2	0.2	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.1	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	5	0.0	0.0	0.0	1.1	0.0	1.2	0.0	0.0	0.0	0.0	0.0	4.3	0.0	3.5	0.0	0.0	0.5	0.5	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.7	0.0	0.0	0.0	0.0	4.0	0.3	0.3	C69
Brain, nervous system	15	0.0	0.0	0.0	1.1	0.0	0.0	4.6	1.1	2.5	0.0	1.7	2.1	5.3	3.5	4.9	4.0	1.4	1.3	C70-72
Thyroid	30	0.0	0.0	0.0	0.0	1.4	3.5	2.3	2.3	3.7	7.2	6.8	2.1	10.6	0.0	4.9	15.8	2.8	2.6	C73
Adrenal gland	1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C81
Non-Hodgkin lymphoma	23	0.0	0.0	1.0	0.0	1.4	2.3	2.3	1.1	0.0	0.0	5.1	2.1	5.3	14.0	9.8	15.8	2.1	2.1	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	4.0	0.2	0.2	C90
Lymphoid leukemia	27	1.1	0.0	2.1	3.4	1.4	1.2	3.4	1.1	6.1	1.4	0.0	6.4	2.6	7.0	14.7	0.0	2.5	2.4	C91
Myeloid leukemia	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	3.5	0.0	4.0	0.4	0.3	C92-94
Leukemia unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	C95
Other and unspecified	163	2.1	0.0	0.0	0.0	1.4	0.0	5.7	6.9	22.1	17.2	34.1	49.1	52.9	80.4	68.8	75.2	15.1	14.6	O&U
All sites	**1,578**	**5.3**	**2.0**	**5.2**	**9.2**	**14.1**	**24.5**	**52.4**	**89.2**	**152.1**	**220.8**	**371.2**	**515.0**	**513.3**	**601.6**	**761.6**	**574.0**	**146.5**	**140.5**	

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Table 3.5.3 Annual incidence, Nakhon Phanom, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	0	0.0	0.0	0.0	0.0	0.0	7	0.4	0.7	0.7	0.0	0.1
C01-02	Tongue	3	0.2	0.3	0.3	0.0	0.0	7	0.4	0.7	0.6	0.0	0.0
C03-06	Mouth	13	0.8	1.2	1.3	0.1	0.2	24	1.5	2.2	2.1	0.1	0.2
C07-08	Salivary glands	2	0.1	0.2	0.3	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C09	Tonsil	1	0.1	0.1	0.1	0.0	0.0	4	0.3	0.4	0.4	0.0	0.1
C10	Other oropharynx	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	20	1.2	1.9	2.0	0.2	0.2	8	0.5	0.7	0.7	0.0	0.1
C12-13	Hypopharynx	3	0.2	0.3	0.4	0.0	0.1	2	0.1	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	3	0.2	0.3	0.3	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C15	Esophagus	6	0.4	0.6	0.6	0.0	0.1	1	0.1	0.1	0.1	0.0	0.0
C16	Stomach	32	2.0	3.0	3.6	0.2	0.5	26	1.6	2.4	2.3	0.2	0.2
C17	Small intestine	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C18	Colon	45	2.8	4.2	5.0	0.3	0.7	36	2.3	3.3	3.2	0.2	0.4
C19-20	Rectum	16	1.0	1.5	1.7	0.1	0.2	16	1.0	1.5	1.5	0.1	0.2
C21	Anus	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	806	50.2	75.4	87.7	6.1	11.1	523	33.1	48.6	47.5	3.5	6.0
C23	Gallbladder	36	2.2	3.4	4.0	0.2	0.5	32	2.0	3.0	3.0	0.2	0.4
C25	Pancreas	6	0.4	0.6	0.6	0.0	0.1	6	0.4	0.6	0.6	0.0	0.1
C30-31	Nose, sinuses etc.	2	0.1	0.2	0.2	0.0	0.0	5	0.3	0.5	0.4	0.0	0.0
C32	Larynx	11	0.7	1.0	1.3	0.1	0.2	1	0.1	0.1	0.1	0.0	0.0
C33-34	Trachea, Bronchus, and lung	145	9.0	13.6	15.9	1.0	2.1	90	5.7	8.4	8.3	0.5	1.1
C37-38	Other thoracic organs	5	0.3	0.5	0.5	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C40-C41	Bone	28	1.7	2.6	2.7	0.2	0.2	21	1.3	2.0	2.0	0.1	0.3
C43	Melanoma of skin	3	0.2	0.3	0.3	0.0	0.1	3	0.2	0.3	0.3	0.0	0.0
C44	Other skin	18	1.1	1.7	2.0	0.1	0.2	34	2.2	3.2	3.2	0.1	0.4
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	6	0.4	0.6	0.6	0.0	0.0	14	0.9	1.3	1.2	0.1	0.1
C50	Breast	1	0.1	0.1	0.1	0.0	0.0	186	11.8	17.3	15.6	1.4	1.7
C51	Vulva							5	0.3	0.5	0.5	0.0	0.1
C52	Vagina							3	0.2	0.3	0.2	0.0	0.0
C53	Cervix uteri							141	8.9	13.1	12.2	1.0	1.4
C54	Corpus uteri							34	2.2	3.2	3.1	0.3	0.4
C55	Uterus unspecified							12	0.8	1.1	1.0	0.1	0.1
C56	Ovary							50	3.2	4.6	4.2	0.4	0.4
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							1	0.1	0.1	0.1	0.0	0.0
C60	Penis	2	0.1	0.2	0.2	0.0	0.0						
C61	Prostate	39	2.4	3.7	4.7	0.1	0.6						
C62	Testis	3	0.2	0.3	0.3	0.0	0.0						
C63	Other male genital organs	1	0.1	0.1	0.1	0.0	0.0						
C64	Kidney	6	0.4	0.6	0.7	0.0	0.1	2	0.1	0.2	0.2	0.0	0.0
C65	Renal pelvis	3	0.2	0.3	0.3	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C66	Ureter	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	7	0.4	0.7	0.8	0.0	0.1	5	0.3	0.5	0.5	0.0	0.1
C68	Other urinary organs	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	3	0.2	0.3	0.3	0.0	0.0	3	0.2	0.3	0.3	0.0	0.0
C70-72	Brain, nervous system	33	2.1	3.1	3.2	0.3	0.4	15	1.0	1.4	1.3	0.1	0.1
C73	Thyroid	11	0.7	1.0	1.1	0.1	0.1	30	1.9	2.8	2.6	0.2	0.2
C74	Adrenal gland	2	0.1	0.2	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C75	Other endocrine	2	0.1	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	32	2.0	3.0	3.2	0.2	0.3	23	1.5	2.1	2.1	0.1	0.2
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	3	0.2	0.3	0.3	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C91	Lymphoid leukemia	28	1.7	2.6	2.9	0.2	0.3	27	1.7	2.5	2.4	0.2	0.3
C92-94	Myeloid leukemia	5	0.3	0.5	0.4	0.0	0.0	4	0.3	0.4	0.3	0.0	0.0
C95	Leukemia unspecified	3	0.2	0.3	0.3	0.0	0.0	3	0.2	0.3	0.2	0.0	0.0
O&U	Other and unspecified	205	12.8	19.2	22.2	1.5	2.8	163	10.3	15.1	14.6	1.0	1.7
	All sites	**1604**	**100.0**	**150.1**	**173.6**	**11.2**	**21.5**	**1578**	**100.0**	**146.5**	**140.5**	**9.9**	**16.7**

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Table 3.5.4 Percentage of morphologically verified and death certificate only cases, Nakhon Phanom, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	18	100.0	0.0	40	90.0	10.0
C09-C10,C14	Oropharynx, etc.	5	20.0	40.0	5	60.0	20.0
C11	Nasopharynx	20	95.0	5.0	8	87.5	12.5
C12-C13	Hypopharynx	3	100.0	0.0	2	100.0	0.0
C15	Esophagus	6	66.7	33.3	1	0.0	100.0
C16	Stomach	32	81.3	3.1	26	88.5	7.7
C17	Small intestine	1	0.0	100.0	1	100.0	0.0
C18-C21	Colon and rectum	61	60.7	6.6	53	71.7	3.8
C22,C24	Liver and bile duct	806	4.3	3.3	523	5.2	5.4
C23	Gallbladder	36	22.2	22.2	32	50.0	15.6
C25	Pancreas	6	33.3	16.7	6	16.7	16.7
C30-C31	Nose, sinuses etc.	2	100.0	0.0	5	100.0	0.0
C32	Larynx	11	90.9	0.0	1	100.0	0.0
C33-C34	Trachea, bronchus and lung	145	21.4	13.1	90	25.6	4.4
C37-C38	Other thoracic organs	5	100.0	0.0	2	100.0	0.0
C40-C41	Bone	28	67.9	28.6	21	81.0	19.0
C43	Melanoma of skin	3	100.0	0.0	3	100.0	0.0
C44	Other skin	18	100.0	0.0	34	91.2	5.9
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	6	100.0	0.0	14	100.0	0.0
C50	Breast	1	0.0	100.0	186	81.2	4.8
C51	Vulva				5	80.0	0.0
C52	Vagina				3	100.0	0.0
C53	Cervix uteri				141	80.9	6.4
C54	Corpus uteri				34	82.4	0.0
C55	Uterus unspecified				12	66.7	33.3
C56	Ovary				50	68.0	14.0
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				1	100.0	0.0
C60	Penis	2	50.0	0.0			
C61	Prostate	39	56.4	28.2			
C62	Testis	3	100.0	0.0			
C63	Other male genital organs	1	100.0	0.0			
C64	Kidney	6	66.7	16.7	2	100.0	0.0
C65	Renal pelvis	3	100.0	0.0	1	100.0	0.0
C66	Ureter	1	100.0	0.0	0	-	-
C67	Bladder	7	57.1	14.3	5	80.0	0.0
C68	Other urinary organs	1	100.0	0.0	0	-	-
C69	Eye	3	66.7	33.3	3	100.0	0.0
C70-C72	Brain, nervous system	33	72.7	18.2	15	33.3	46.7
C73	Thyroid	11	90.9	0.0	30	93.3	0.0
C74	Adrenal gland	2	50.0	0.0	1	0.0	0.0
C75	Other endocrine	2	0.0	0.0	0	-	-
C81	Hodgkin's disease	1	100.0	0.0	0	-	-
C82-C85,C96	Non-Hodgkin lymphoma	32	100.0	0.0	23	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	3	100.0	0.0	2	100.0	0.0
C91-C95	Leukemia	36	100.0	0.0	34	100.0	0.0
O&U	Other and unspecified	205	30.7	11.7	163	42.3	9.2
	All site	**1604**	**28.6**	**7.4**	**1578**	**48.4**	**6.7**

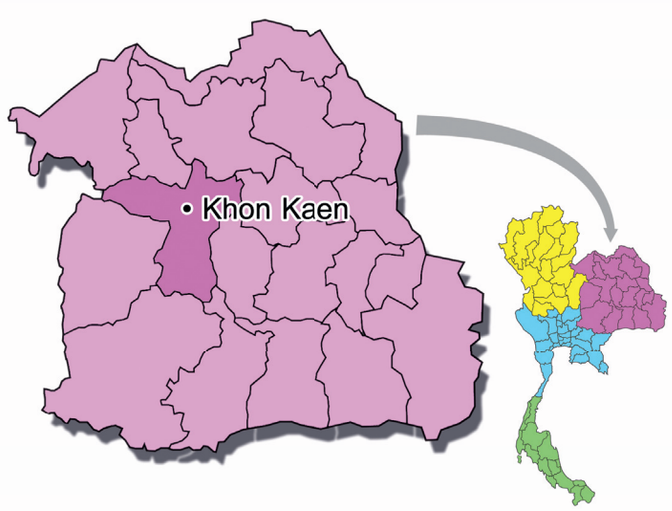
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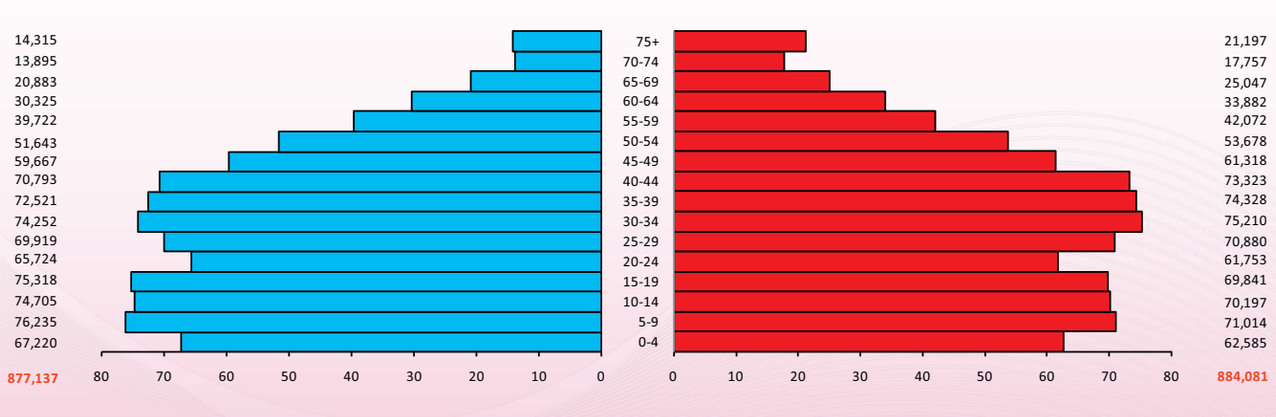
Registration area

Khon Kaen province is located in the northeastern region of Thailand, at latitude 16:30 N and longitude 102:47 E, 163 meters above the sea level. It covers an area of 10,886 square kilometers with a population of 1.7 million (Figure 1). It has a common boundary with Loei and Udon Thani provinces to the north, Kalasin and Maha Sarakham to the east, Nakhon Ratchasima and Buri Ram to the south, and Phetchabun and Chaiyaphum to the west.

Khon Kaen province is divided to 26 sanitary districts. The climate is generally hot and dry. The mean temperature is 28 Celsius and the average annual rainfall is 1,188 millimeters. The majority of people are engaged in rice farming. However, new industrial plants have also been established in this area, causing problems of environmental pollution.



Population pyramid, Khon Kaen, 2005



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Cancer care facilities

Most of the public hospitals in Khon Kaen belong to the Ministry of Health; others include a university hospital and an army hospital. There are three large private hospitals. Attempts to improve the referral system have gained some support, but many patients still refer themselves according to their preferences.

Registry procedures

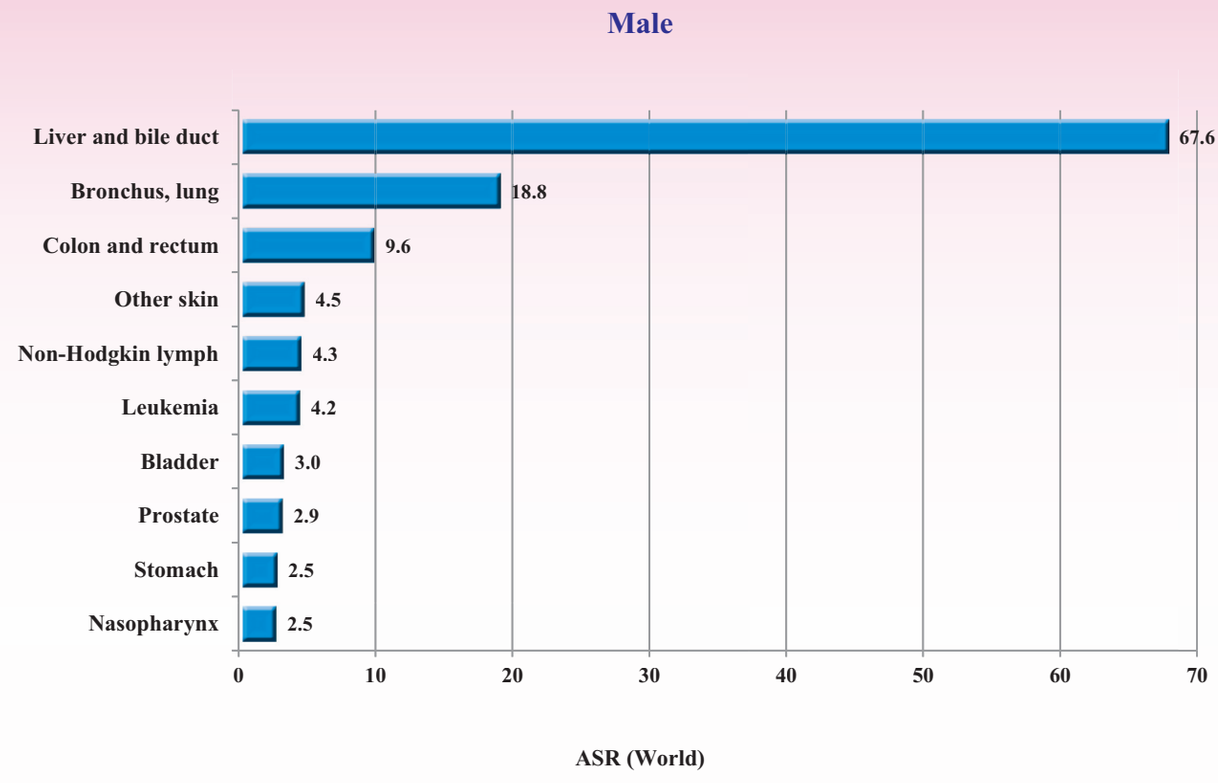
The data on cancer patients are collected by both active and passive methods from a university hospital (Srinagarind hospital), 1 regional hospital (Khon Kaen provincial hospital), 1 army hospital, 2 private hospitals and 24 community hospitals. The registrars visit all registered sites by regular schedule. The medical charts of patients diagnosed as having cancer are reviewed and registered by registry personnel. Any questionable cases are traced to the original source(s) of information for clarification. Multiple primary cases are checked by physicians using their original records and with any other physicians concerned. Death certificates with a mention of cancer are collected from the population statistics of the office of the Ministry of Interior. The registrars revise these sources to notify and recheck with health personnel in the relevant area. The vital status of registered cases has been regularly updated by checking with the population statistics of the office of the Ministry of Interior using the personal identification number. To prevent duplication, all data are reviewed and checked with existing registry files before entry. All the data are verified, checked for duplication, coded and entered into the CanReg4 software.

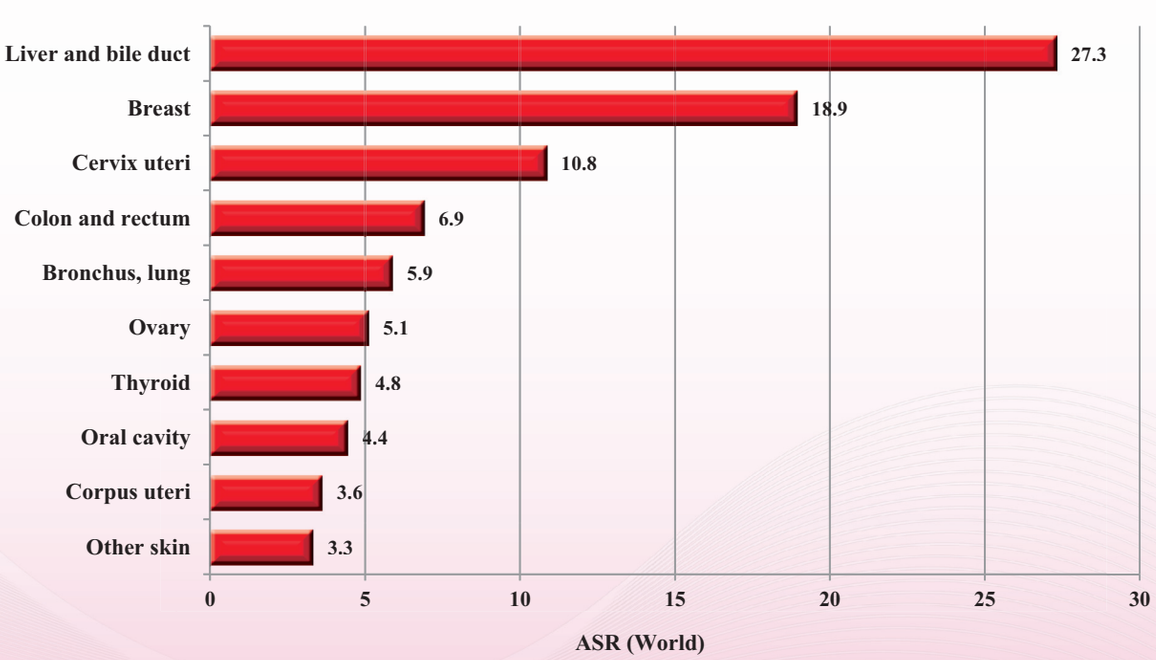
Summary of results

New cases registered in 2004-2006, 3,630 were males and 3,366 were females, making a total of 6,996 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males is 146.6 per 100,000 with liver and bile duct cancer ranking first (ASR = 67.6) followed by lung (ASR = 18.8) and colon and rectum (ASR = 9.6). The ASR for all cancer sites in females was 113.8, the three leading cancer in females being liver and bile duct (ASR = 27.3), breast (ASR = 18.9) and cervix (ASR = 10.8).

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Figure 3.5 Leading cancer in Khon Kaen, 2004-2006





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Table 3.6.1 Khon Kaen (2004-2006), Annual Incidence per 100,000 by Age Group (years) -Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	2.4	2.3	0.1	0.1	C00
Tongue	28	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.8	1.4	2.8	1.3	2.5	5.5	0.0	4.8	7.0	1.1	1.0	C01-02
Mouth	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.6	1.3	5.0	3.3	11.2	0.0	14.0	1.1	1.1	C03-06
Salivary glands	4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.3	0.8	0.0	0.0	0.0	0.0	0.2	0.1	C07-08
Tonsil	12	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.9	0.5	1.7	1.3	0.8	0.0	1.6	2.4	0.0	0.5	0.4	C09
Other oropharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	2.3	0.1	0.1	0.1	C10
Nasopharynx	67	0.0	0.0	1.3	0.0	1.0	0.5	1.3	1.4	2.8	7.3	5.2	6.7	7.7	9.6	9.6	7.0	2.5	2.5	C11
Hypopharynx	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.9	0.8	3.3	8.0	7.2	7.0	0.7	0.8	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	1.9	0.8	1.1	4.8	9.6	9.3	0.8	0.8	C15
Stomach	64	0.0	0.0	0.0	0.0	0.0	1.0	0.4	0.0	2.4	3.9	6.5	5.0	9.9	17.6	14.4	16.3	2.4	2.5	C16
Small intestine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.1	0.1	C17
Colon	151	0.0	0.0	0.0	0.4	0.0	0.0	0.9	5.1	2.8	4.5	7.1	21.0	28.6	28.7	52.8	48.9	5.7	6.1	C18
Rectum	81	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.5	1.9	3.9	3.9	6.7	12.1	28.7	19.2	34.9	3.1	3.4	C19-20
Anus	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.1	1.6	2.4	0.0	0.2	0.2	C21
Liver and bile duct	1668	0.5	0.0	0.4	0.9	1.0	1.9	6.3	11.5	38.1	77.1	129.7	198.9	292.4	423.0	525.4	493.6	63.4	67.6	C22,C24
Gallbladder	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.1	1.3	2.5	3.3	8.0	9.6	16.3	1.1	1.2	C23
Pancreas	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	2.2	1.9	2.5	5.5	8.0	2.4	0.0	1.1	1.0	C25
Nose, sinuses etc.	14	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.0	1.7	0.0	2.5	0.0	3.2	0.0	4.7	0.5	0.5	C30-31
Larynx	30	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	1.7	1.3	5.0	2.2	8.0	16.8	7.0	1.1	1.2	C32
Trachea, Bronchus, and lung	457	0.0	0.0	0.0	0.0	1.5	1.9	2.7	4.1	7.1	17.3	27.1	56.2	73.6	122.9	148.7	172.3	17.4	18.8	C33-34
Other thoracic organs	15	0.0	0.0	0.9	0.9	1.5	1.0	0.4	0.5	0.0	0.0	0.6	0.0	3.3	0.0	0.0	0.0	0.6	0.6	C37-38
Bone	15	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.7	0.6	0.0	2.2	4.8	2.4	2.3	0.6	0.6	C40-C41
Melanoma of skin	15	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.0	0.8	3.3	8.0	2.4	2.3	0.6	0.6	C43
Other skin	111	0.0	0.0	0.0	0.4	0.0	0.0	1.3	0.9	2.4	4.5	9.7	10.1	12.1	20.8	48.0	48.9	4.2	4.5	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	C46
Connective tissue	24	1.0	0.0	0.0	0.4	1.0	0.5	0.0	0.5	0.5	1.7	2.6	2.5	2.2	0.0	4.8	4.7	0.9	0.9	C47,C49
Breast	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.6	0.0	1.1	0.0	9.6	0.0	0.3	0.4	C50
Penis	41	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.5	0.9	2.8	4.5	5.9	4.4	4.8	2.4	18.6	1.6	1.5	C60
Prostate	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.6	5.0	8.8	16.0	31.2	53.6	2.5	2.9	C61
Testis	8	1.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	24	0.5	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	3.9	1.9	1.7	3.3	4.8	4.8	2.3	0.9	0.9	C64
Renal pelvis	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.1	4.8	2.4	0.0	0.3	0.4	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	76	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.9	1.4	4.5	6.5	9.2	8.8	20.8	9.6	34.9	2.9	3.0	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	11	2.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	1.1	0.0	2.5	1.1	0.0	0.0	0.0	0.4	0.5	C69
Brain, nervous system	34	1.5	0.4	1.8	0.4	0.5	1.0	1.3	1.8	0.0	3.4	1.3	1.7	0.0	8.0	0.0	0.0	1.3	1.3	C70-72
Thyroid	34	0.0	0.0	0.0	0.0	0.5	1.9	0.4	2.8	0.9	1.1	3.9	3.4	0.0	6.4	4.8	4.7	1.3	1.2	C73
Adrenal gland	3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	21	0.0	0.4	0.4	0.0	1.0	0.5	0.4	0.9	0.9	1.7	1.3	0.8	3.3	1.6	2.4	0.0	0.8	0.8	C81
Non-Hodgkin lymphoma	110	0.0	0.4	0.0	0.4	2.5	2.9	3.1	1.8	3.8	4.5	7.1	7.6	13.2	23.9	36.0	18.6	4.2	4.3	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.8	1.3	1.7	2.2	3.2	12.0	7.0	0.8	0.9	C90
Lymphoid leukemia	37	4.0	1.3	1.8	1.3	0.0	0.0	0.9	0.0	1.4	0.0	0.0	0.8	3.3	8.0	4.8	7.0	1.4	1.7	C91
Myeloid leukemia	55	1.0	0.0	0.9	0.9	1.0	0.5	1.3	1.8	1.4	0.6	3.9	5.9	8.8	11.2	7.2	9.3	2.1	2.2	C92-94
Leukemia unspecified	9	0.0	0.9	0.0	0.0	0.0	0.5	0.0	0.0	0.0	1.1	0.0	0.8	0.0	3.2	2.4	0.0	0.3	0.4	C95
Other and unspecified	168	0.0	1.3	0.0	0.4	1.0	1.0	1.8	2.8	3.3	6.1	7.1	17.6	36.3	41.5	48.0	48.9	6.4	6.9	O&U
All sites	**3,630**	**12.9**	**5.7**	**8.5**	**6.6**	**12.7**	**16.7**	**27.8**	**45.0**	**84.3**	**171.5**	**250.4**	**399.4**	**570.5**	**876.3**	**1062.8**	**1108.4**	**137.9**	**146.6**	

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Table 3.6.2 Khon Kaen (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.6	2.4	7.9	10.6	31.9	26.7	2.1	2.0	C00
Tongue	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.1	0.0	1.6	4.9	2.7	7.5	6.3	0.8	0.7	C01-02
Mouth	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	1.9	1.6	3.9	6.7	18.8	22.0	1.6	1.5	C03-06
Salivary glands	7	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.0	0.0	1.1	0.6	0.0	1.0	0.0	0.0	1.6	0.3	0.2	C07-08
Tonsil	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	31	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.3	0.0	1.1	3.7	6.3	3.0	1.3	0.0	3.1	1.2	1.0	C11
Hypopharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.9	0.0	0.1	0.1	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.6	1.0	0.0	1.9	4.7	0.3	0.3	C15
Stomach	50	0.0	0.0	0.0	0.0	0.5	0.9	0.4	2.2	3.6	1.1	2.5	4.0	3.9	6.7	16.9	6.3	1.9	1.7	C16
Small intestine	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.1	0.1	C17
Colon	143	0.0	0.0	0.0	1.0	0.0	0.0	1.3	3.1	2.7	9.8	7.5	16.6	23.6	25.3	15.0	36.2	5.4	4.9	C18
Rectum	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.4	2.7	7.5	5.5	3.0	6.7	22.5	11.0	2.1	1.9	C19-20
Anus	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.3	0.0	3.1	0.2	0.1	C21
Liver and bile duct	777	0.0	0.0	0.0	0.0	0.5	0.9	3.1	4.5	10.5	21.7	51.5	75.3	123.0	191.6	234.6	191.9	29.3	27.3	C22,C24
Gallbladder	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.5	1.2	2.4	2.0	9.3	9.4	9.4	1.1	1.0	C23
Pancreas	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	3.3	0.6	0.8	3.9	5.3	9.4	4.7	1.1	1.0	C25
Nose, sinuses etc.	4	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.6	0.2	0.1	C30-31
Larynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.6	0.1	0.1	C32
Trachea, Bronchus, and lung	170	0.0	0.0	0.0	0.5	0.0	0.5	0.9	0.9	6.4	4.9	11.2	16.6	28.5	30.6	46.9	39.3	6.4	5.9	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.6	0.1	0.1	C37-38
Bone	13	0.0	0.5	0.9	0.5	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.0	0.0	2.7	1.9	4.7	0.5	0.5	C40-C41
Melanoma of skin	19	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.9	1.6	1.2	0.8	2.0	5.3	7.5	0.0	0.7	0.7	C43
Other skin	96	0.0	0.5	0.0	0.0	0.0	0.9	0.4	1.3	0.9	1.1	3.7	6.3	10.8	24.0	13.1	55.0	3.6	3.3	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	20	0.5	0.0	0.9	0.5	0.5	0.5	1.3	0.0	0.0	1.6	1.2	2.4	1.0	0.0	1.9	1.6	0.8	0.7	C47,C49
Breast	592	0.0	0.0	0.0	0.0	1.1	1.9	8.0	22.0	40.5	67.4	61.5	59.4	48.2	46.6	41.3	40.9	22.3	18.9	C50
Vulva	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.8	0.0	0.0	3.8	0.0	0.2	0.2	C51
Vagina	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.6	0.2	0.1	C52
Cervix uteri	343	0.0	0.0	0.0	0.0	1.1	0.0	7.5	20.2	26.8	32.6	26.7	31.7	29.5	26.6	28.2	18.9	12.9	10.8	C53
Corpus uteri	109	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3	2.7	10.9	14.3	19.0	11.8	12.0	11.3	6.3	4.1	3.6	C54
Uterus unspecified	5	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.4	0.0	0.0	0.0	0.0	1.0	0.0	1.9	0.0	0.2	0.2	C55
Ovary	151	0.0	0.5	0.5	1.4	2.7	2.4	1.8	4.5	5.9	17.4	13.7	9.5	20.7	9.3	18.8	7.9	5.7	5.1	C56
Other female genital	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	8	0.0	0.0	0.0	0.0	0.5	0.9	0.4	0.0	0.5	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C58
Kidney	19	1.1	0.5	0.0	0.0	0.0	0.5	0.4	0.0	0.5	1.6	1.2	4.0	0.0	2.7	0.0	1.6	0.7	0.7	C64
Renal pelvis	5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	0.0	0.0	0.1	0.1	C66
Bladder	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.6	1.1	0.0	0.8	3.0	5.3	5.6	14.2	1.2	1.0	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	9	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	0.0	0.0	1.6	0.3	0.5	C69
Brain, nervous system	32	0.0	0.5	0.5	0.0	2.2	1.9	0.9	0.4	0.5	1.6	2.5	2.4	2.0	2.7	5.6	1.6	1.2	1.1	C70-72
Thyroid	145	0.0	0.5	1.9	2.4	1.6	4.7	6.6	7.6	4.1	8.2	8.1	8.7	11.8	14.6	15.0	17.3	5.5	4.8	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	8	0.0	0.0	0.5	0.0	0.0	1.4	0.0	0.4	0.5	0.5	0.0	0.0	0.0	1.3	0.0	0.0	0.3	0.3	C81
Non-Hodgkin lymphoma	87	0.0	0.5	0.5	0.0	0.0	3.3	0.9	2.2	4.5	8.2	7.5	6.3	11.8	6.7	11.3	4.7	3.3	2.9	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	1.2	0.8	3.0	6.7	1.9	3.1	0.6	0.6	C90
Lymphoid leukemia	26	2.1	3.3	0.5	0.5	0.0	0.5	0.4	0.4	0.9	1.1	0.6	0.0	3.0	1.3	1.9	0.0	1.0	1.1	C91
Myeloid leukemia	55	0.0	0.9	0.0	1.0	1.6	0.5	2.2	1.3	3.2	4.3	2.5	4.8	4.9	6.7	0.0	6.3	2.1	1.8	C92-94
Leukemia unspecified	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.6	0.8	0.0	2.7	0.0	1.6	0.3	0.2	C95
Other and unspecified	120	0.0	0.0	0.5	0.0	0.0	0.5	1.3	2.7	3.6	4.3	6.8	11.1	14.8	29.3	30.0	23.6	4.5	4.1	O&U
All sites	**3,366**	**6.4**	**8.0**	**6.6**	**8.1**	**14.0**	**24.0**	**42.5**	**82.1**	**130.5**	**218.0**	**245.9**	**305.8**	**392.5**	**505.7**	**619.5**	**583.4**	**126.9**	**113.8**	

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Table 3.6.3 Annual incidence, Khon Kaen, 2004-2006

ICD-10	SITE	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	3	0.1	0.1	0.1	0.0	0.0	56	1.7	2.1	2.0	0.1	0.3
C01-02	Tongue	28	0.8	1.1	1.0	0.1	0.1	20	0.6	0.8	0.7	0.0	0.1
C03-06	Mouth	28	0.8	1.1	1.1	0.1	0.1	43	1.3	1.6	1.5	0.0	0.2
C07-08	Salivary glands	4	0.1	0.2	0.1	0.0	0.0	7	0.2	0.3	0.2	0.0	0.0
C09	Tonsil	12	0.3	0.5	0.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C10	Other oropharynx	2	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	67	1.8	2.5	2.5	0.2	0.3	31	0.9	1.2	1.0	0.1	0.1
C12-13	Hypopharynx	19	0.5	0.7	0.8	0.0	0.1	2	0.1	0.1	0.1	0.0	0.0
C14	Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	20	0.6	0.8	0.8	0.0	0.1	8	0.2	0.3	0.3	0.0	0.0
C16	Stomach	64	1.8	2.4	2.5	0.1	0.3	50	1.5	1.9	1.7	0.1	0.2
C17	Small intestine	2	0.1	0.1	0.1	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C18	Colon	151	4.2	5.7	6.1	0.4	0.8	143	4.2	5.4	4.9	0.3	0.5
C19-20	Rectum	81	2.2	3.1	3.4	0.2	0.4	56	1.7	2.1	1.9	0.1	0.3
C21	Anus	5	0.1	0.2	0.2	0.0	0.0	4	0.1	0.2	0.1	0.0	0.0
C22,C24	Liver and bile duct	1668	46.0	63.4	67.6	3.8	8.5	777	23.1	29.3	27.3	1.5	3.6
C23	Gallbladder	29	0.8	1.1	1.2	0.0	0.1	30	0.9	1.1	1.0	0.0	0.1
C25	Pancreas	28	0.8	1.1	1.0	0.1	0.1	28	0.8	1.1	1.0	0.1	0.1
C30-31	Nose, sinuses etc.	14	0.4	0.5	0.5	0.0	0.0	4	0.1	0.2	0.1	0.0	0.0
C32	Larynx	30	0.8	1.1	1.2	0.1	0.2	2	0.1	0.1	0.1	0.0	0.0
C33-34	Trachea, Bronchus, and lung	457	12.6	17.4	18.8	1.0	2.3	170	5.1	6.4	5.9	0.4	0.7
C37-38	Other thoracic organs	15	0.4	0.6	0.6	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C40-C41	Bone	15	0.4	0.6	0.6	0.0	0.1	13	0.4	0.5	0.5	0.0	0.0
C43	Melanoma of skin	15	0.4	0.6	0.6	0.0	0.1	19	0.6	0.7	0.7	0.0	0.1
C44	Other skin	111	3.1	4.2	4.5	0.2	0.6	96	2.9	3.6	3.3	0.1	0.3
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	24	0.7	0.9	0.9	0.1	0.1	20	0.6	0.8	0.7	0.1	0.1
C50	Breast	9	0.2	0.3	0.4	0.0	0.1	592	17.6	22.3	18.9	1.5	2.0
C51	Vulva							5	0.1	0.2	0.2	0.0	0.0
C52	Vagina							4	0.1	0.2	0.1	0.0	0.0
C53	Cervix uteri							343	10.2	12.9	10.8	0.9	1.2
C54	Corpus uteri							109	3.2	4.1	3.6	0.3	0.4
C55	Uterus unspecified							5	0.1	0.2	0.2	0.0	0.0
C56	Ovary							151	4.5	5.7	5.1	0.4	0.5
C57	Other female genital							1	0.0	0.0	0.0	0.0	0.0
C58	Placenta							8	0.2	0.3	0.3	0.0	0.0
C60	Penis	41	1.1	1.6	1.5	0.1	0.1						
C61	Prostate	66	1.8	2.5	2.9	0.1	0.3						
C62	Testis	8	0.2	0.3	0.3	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	24	0.7	0.9	0.9	0.1	0.1	19	0.6	0.7	0.7	0.0	0.1
C65	Renal pelvis	9	0.2	0.3	0.4	0.0	0.1	5	0.1	0.2	0.2	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C67	Bladder	76	2.1	2.9	3.0	0.2	0.3	31	0.9	1.2	1.0	0.0	0.1
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	11	0.3	0.4	0.5	0.0	0.0	9	0.3	0.3	0.5	0.0	0.0
C70-72	Brain, nervous system	34	0.9	1.3	1.3	0.1	0.1	32	1.0	1.2	1.1	0.1	0.1
C73	Thyroid	34	0.9	1.3	1.2	0.1	0.1	145	4.3	5.5	4.8	0.3	0.5
C74	Adrenal gland	3	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	21	0.6	0.8	0.8	0.1	0.1	8	0.2	0.3	0.3	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	110	3.0	4.2	4.3	0.2	0.5	87	2.6	3.3	2.9	0.2	0.3
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	22	0.6	0.8	0.9	0.0	0.1	16	0.5	0.6	0.6	0.0	0.1
C91	Lymphoid leukemia	37	1.0	1.4	1.7	0.1	0.1	26	0.8	1.0	1.1	0.1	0.1
C92-94	Myeloid leukemia	55	1.5	2.1	2.2	0.1	0.2	55	1.6	2.1	1.8	0.1	0.2
C95	Leukemia unspecified	9	0.2	0.3	0.4	0.0	0.0	7	0.2	0.3	0.2	0.0	0.0
O&U	Other and unspecified	168	4.6	6.4	6.9	0.4	0.8	120	3.6	4.5	4.1	0.2	0.5
	All sites	**3630**	**100.0**	**137.9**	**146.6**	**8.1**	**17.8**	**3366**	**100.0**	**126.9**	**113.8**	**7.4**	**13.0**

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Table 3.6.4 Percentage of morphologically verified and death certificate only cases, Khon Kaen, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	63	98.4	0.0	126	94.4	0.8
C09-C10,C14	Oropharynx, etc.	14	85.7	0.0	0	-	-
C11	Nasopharynx	67	95.5	0.0	31	93.5	3.2
C12-C13	Hypopharynx	19	84.2	0.0	2	100.0	0.0
C15	Esophagus	20	75.0	0.0	8	50.0	0.0
C16	Stomach	64	84.4	0.0	50	86.0	4.0
C17	Small intestine	2	100.0	0.0	3	100.0	0.0
C18-C21	Colon and rectum	237	81.9	0.4	203	82.8	1.0
C22,C24	Liver and bile duct	1668	13.8	8.5	777	15.3	7.6
C23	Gallbladder	29	37.9	10.3	30	50.0	6.7
C25	Pancreas	28	46.4	0.0	28	32.1	0.0
C30-C31	Nose, sinuses etc.	14	100.0	0.0	4	100.0	0.0
C32	Larynx	30	93.3	0.0	2	100.0	0.0
C33-C34	Trachea, bronchus and lung	457	43.5	10.3	170	52.9	8.2
C37-C38	Other thoracic organs	15	73.3	0.0	2	100.0	0.0
C40-C41	Bone	15	46.7	33.3	13	61.5	15.4
C43	Melanoma of skin	15	100.0	0.0	19	100.0	0.0
C44	Other skin	111	98.2	0.9	96	101.0	0.0
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	1	100.0	0.0	0	-	-
C47,C49	Connective and soft tissue	24	100.0	0.0	20	100.0	0.0
C50	Breast	9	100.0	0.0	592	94.9	0.3
C51	Vulva				5	100.0	0.0
C52	Vagina				4	100.0	0.0
C53	Cervix uteri				343	94.2	0.6
C54	Corpus uteri				109	98.2	0.0
C55	Uterus unspecified				5	20.0	80.0
C56	Ovary				151	82.8	0.7
C51,C52,C57	Other female genital				1	100.0	0.0
C58	Placenta				8	50.0	0.0
C60	Penis	41	95.1	0.0			
C61	Prostate	66	84.8	0.0			
C62	Testis	8	100.0	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	24	95.8	0.0	19	94.7	0.0
C65	Renal pelvis	9	100.0	0.0	5	100.0	0.0
C66	Ureter	0	-	-	2	50.0	0.0
C67	Bladder	76	93.4	0.0	31	77.4	0.0
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	11	100.0	0.0	9	100.0	0.0
C70-C72	Brain, nervous system	34	67.6	8.8	32	53.1	18.8
C73	Thyroid	34	94.1	0.0	145	91.7	0.7
C74	Adrenal gland	3	100.0	0.0	0	-	-
C75	Other endocrine	0	-	-	1	100.0	0.0
C81	Hodgkin's disease	21	100.0	0.0	8	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	110	100.0	0.0	87	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	1	100.0	0.0
C90	Multiple myeloma	22	100.0	0.0	16	100.0	0.0
C91-C95	Leukemia	101	100.0	0.0	88	100.0	0.0
O&U	Other and unspecified	168	37.5	34.5	120	31.7	34.2
	All sites	**3630**	**46.3**	**7.2**	**3366**	**69.3**	**4.2**

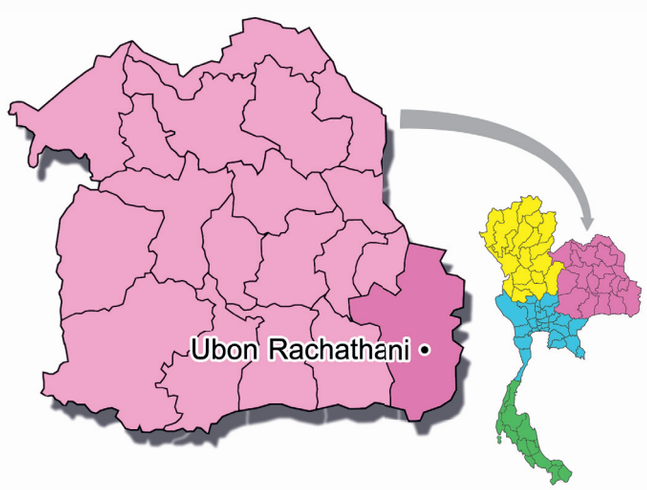
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Ubon Ratchathani Cancer Registry

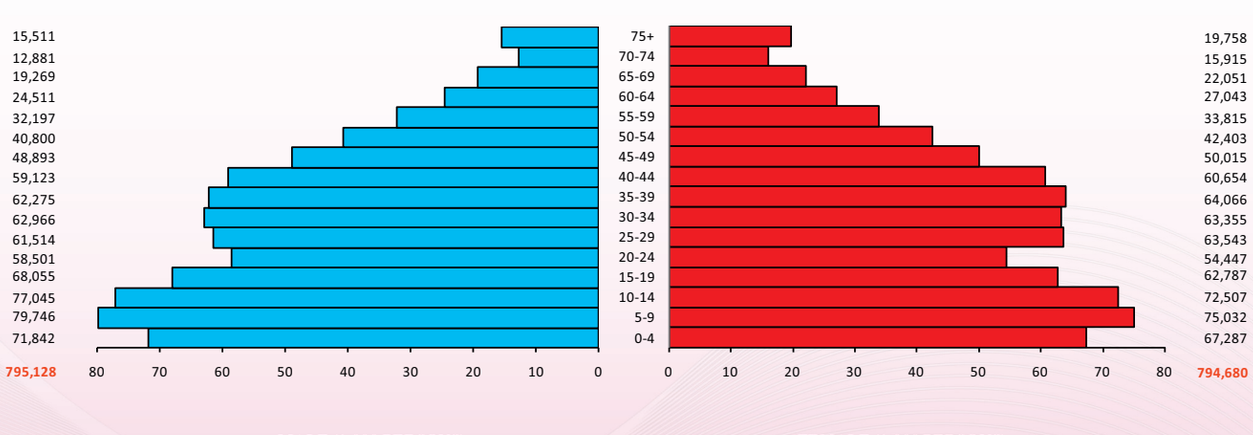
Registration area

Ubon Ratchathani is one of the northeastern provinces of Thailand, and the country's easternmost. It covers an area of 15,745 square kilometers. It's about 600 kilometers away from Bangkok. Neighboring Provinces are (from west clockwise) Si Sa Ket, Yasothon and Amnat Charoen. To the north and east it borders Laos, to the south is Cambodia. The province is subdivided into 25 districts, subdivided into 219 sub-districts and 2,469 villages.

There were 1,774,808 people in the year 2005. Most are engaged in activities related to agriculture. They usually dwell in groups of houses, speaking their own dialects.



Population pyramid, Ubon Rachathani, 2005



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Cancer care facilities

The cancer care facilities in community hospitals (district hospitals) are limited to screening, provisional diagnosis and some palliative treatment. Most of the cancer patients and suspected cancer patients are referred to Sappasitthiprasong hospital (regional hospital) or Ubon Ratchathani cancer center. The Ubon Ratchathani cancer committee was established to facilitate the referral system between regional hospitals, the cancer center and community hospitals.Surgery, chemotherapy, radiation and palliative treatment are provided. There are also a military hospital and two private hospitals that can provide surgery and some chemotherapy.

Registry procedures

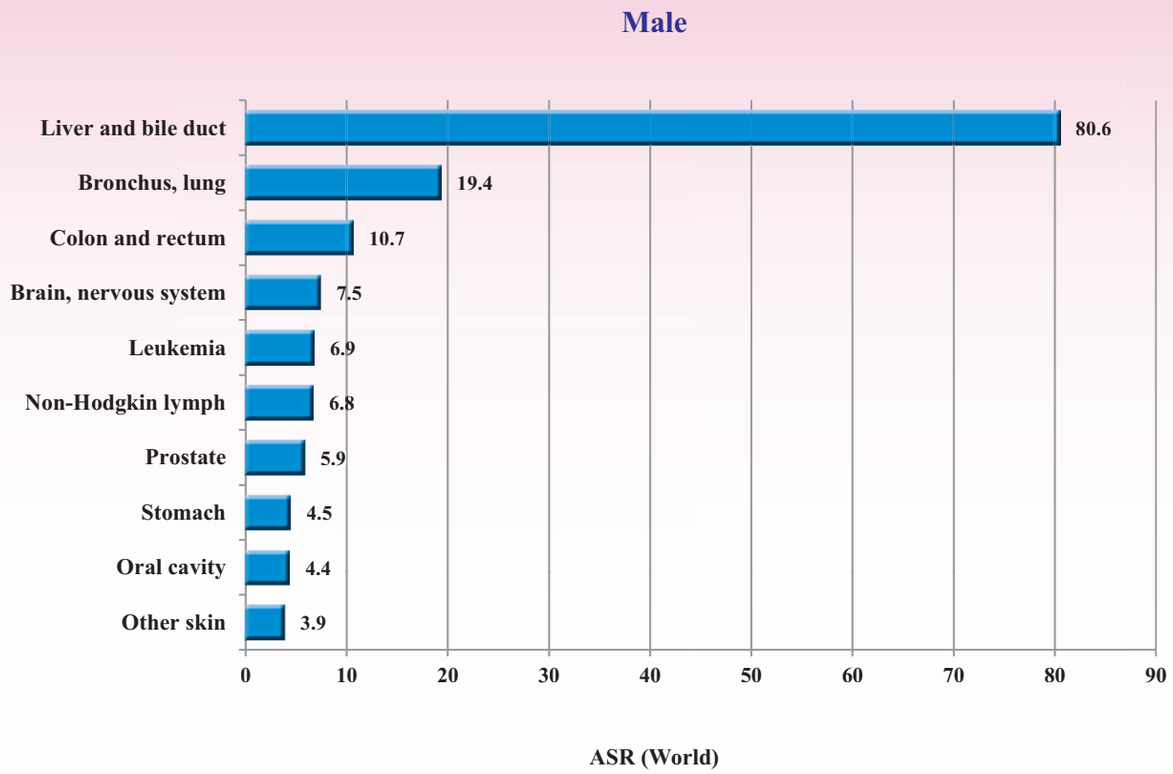
The population–based cancer registry of Ubon Ratchathani was set up at Ubon Ratchathani cancer center. The sources of data are from all community hospitals, Sappasitthiprasong hospital, Ubon Ratchathani cancer center, the military hospital and the 2 private hospitals.

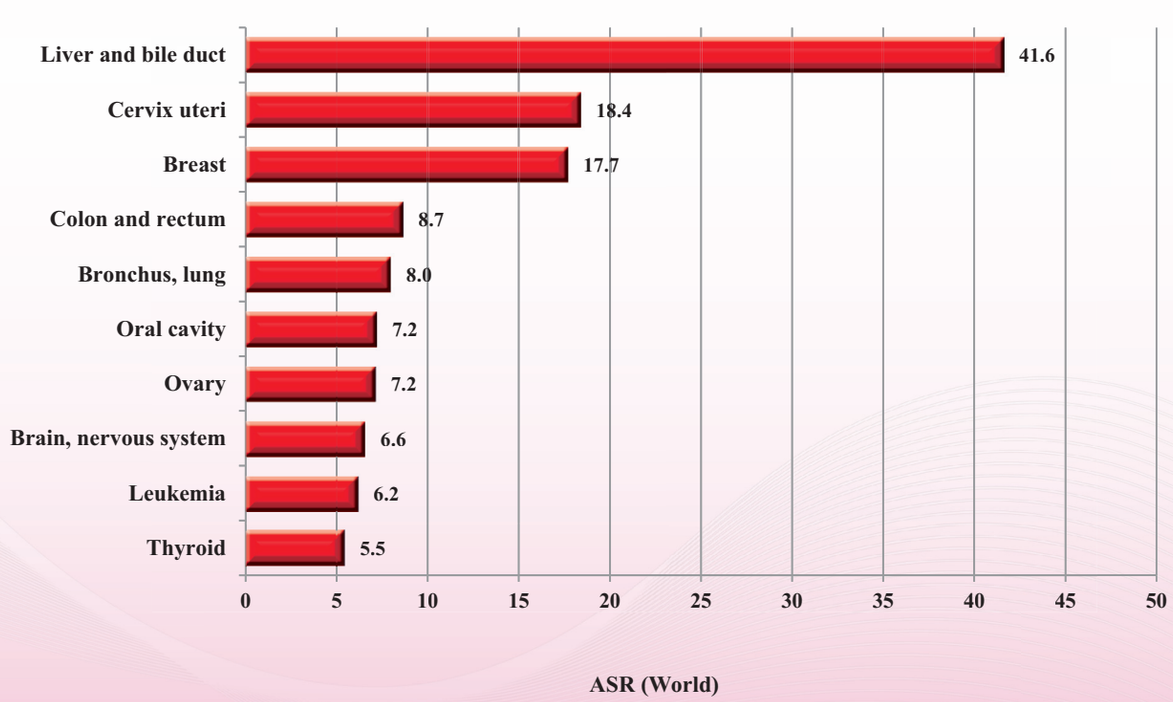
Summary of Results

New cases registered in 2004-2006, 4,355 were males and 4,408 were females, making 8,763 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males is 197.1 per 100,000 in which liver and bile duct cancer ranking first (ASR = 80.6) followed by lung (ASR = 19.4), colon and rectum (ASR = 10.7). The ASR of all cancer sites in females was 175.8, the three leading cancer in females being liver and bile duct (ASR = 41.6), cervix (ASR = 18.4) and breast (ASR = 17.7).

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Figure 3.6 Leading cancer in Ubon Ratchathani, 2004-2006





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Table 3.7.1 Ubon Ratchathani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.2	0.0	4.3	0.3	0.4	C00
Tongue	39	0.5	0.0	0.0	0.0	0.0	0.5	0.0	1.1	0.0	1.4	2.5	3.1	6.8	6.9	10.4	30.1	1.6	1.8	C01-02
Mouth	34	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	1.7	1.4	4.1	0.0	4.1	5.2	12.9	23.6	1.4	1.5	C03-06
Salivary glands	18	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	1.1	2.0	1.6	0.0	2.7	3.5	5.2	2.1	0.8	0.8	C07-08
Tonsil	9	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	2.1	0.0	3.5	5.2	2.1	0.4	0.4	C09
Other oropharynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.2	2.1	0.2	0.2	C10
Nasopharynx	66	0.0	0.0	0.0	0.0	0.6	1.1	2.1	1.6	3.9	6.1	9.0	8.3	12.2	6.9	10.4	8.6	2.8	2.8	C11
Hypopharynx	21	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	2.0	1.6	2.1	0.0	3.5	10.4	8.6	0.9	0.9	C12-13
Pharynx unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	4.3	0.2	0.2	C14
Esophagus	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.6	1.4	2.5	9.3	6.8	6.9	10.4	12.9	1.6	1.7	C15
Stomach	100	0.0	0.0	0.0	0.0	0.0	1.1	0.5	2.1	1.7	3.4	9.8	18.6	20.4	17.3	36.2	34.4	4.2	4.5	C16
Small intestine	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	2.1	0.0	0.0	0.0	4.3	0.3	0.2	C17
Colon	145	0.5	0.0	0.0	0.5	0.0	0.0	2.6	3.7	5.1	6.1	5.7	16.6	23.1	22.5	59.5	79.5	6.1	6.5	C18
Rectum	90	0.0	0.0	0.0	0.0	0.0	0.5	0.5	2.7	1.7	2.0	8.2	9.3	17.7	25.9	36.2	34.4	3.8	4.1	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.1	0.1	0.1	C21
Liver and bile duct	1769	4.6	0.8	0.4	1.0	0.6	6.5	11.6	30.0	49.6	83.2	177.3	250.5	323.7	508.6	535.7	548.0	74.2	80.6	C22,C24
Gallbladder	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.0	4.9	6.2	13.6	15.6	25.9	27.9	2.4	2.7	C23
Pancreas	34	0.0	0.4	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.4	5.7	5.2	5.4	12.1	5.2	4.3	1.4	1.5	C25
Nose, sinuses etc.	18	0.0	0.0	0.0	0.5	0.6	0.0	0.5	0.5	2.8	0.0	2.5	0.0	1.4	1.7	2.6	6.4	0.8	0.7	C30-31
Larynx	47	0.0	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0	1.6	5.2	10.9	15.6	25.9	21.5	2.0	2.3	C32
Trachea, Bronchus, and lung	419	0.0	0.4	0.0	0.0	1.7	2.2	3.2	11.2	6.2	12.3	24.5	49.7	77.5	138.4	178.6	152.6	17.6	19.4	C33-34
Other thoracic organs	24	0.0	0.0	0.4	2.9	0.6	1.1	0.5	1.1	0.6	1.4	1.6	1.0	1.4	0.0	7.8	2.1	1.0	1.0	C37-38
Bone	49	0.0	0.4	1.3	3.4	2.8	2.7	0.0	1.1	0.6	2.0	2.5	3.1	9.5	5.2	7.8	6.4	2.1	2.2	C40-C41
Melanoma of skin	12	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.1	0.6	0.0	0.0	1.0	1.4	0.0	5.2	8.6	0.5	0.5	C43
Other skin	88	0.0	0.0	0.4	0.0	0.6	0.5	1.1	2.1	1.1	1.4	6.5	6.2	17.7	12.1	20.7	70.9	3.7	3.9	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	24	0.5	0.4	0.0	0.5	1.1	0.5	0.5	0.5	1.7	2.0	2.5	1.0	0.0	3.5	5.2	4.3	1.0	1.0	C47,C49
Breast	11	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	4.1	0.0	2.6	2.1	0.5	0.5	C50
Penis	51	0.0	0.0	0.0	0.5	0.6	1.1	1.1	2.7	0.6	2.0	4.1	2.1	9.5	15.6	18.1	12.9	2.1	2.3	C60
Prostate	126	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.6	0.0	4.1	3.1	8.2	31.1	90.6	120.3	5.3	5.9	C61
Testis	14	0.9	0.4	0.0	0.0	0.6	0.5	0.5	1.1	0.6	0.0	0.0	1.0	1.4	1.7	0.0	4.3	0.6	0.6	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	43	0.9	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.4	2.0	4.9	8.3	6.8	6.9	5.2	12.9	1.8	1.9	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	72	0.0	0.4	0.0	0.0	1.1	0.0	0.5	2.7	0.6	2.7	5.7	6.2	8.2	12.1	28.5	45.1	3.0	3.2	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	4	0.9	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.2	0.2	C69
Brain, nervous system	174	5.1	5.0	3.5	3.9	2.3	6.0	4.2	7.5	8.5	8.9	9.8	12.4	10.9	20.8	41.4	21.5	7.3	7.5	C70-72
Thyroid	20	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	2.0	2.5	1.0	2.7	5.2	5.2	8.6	0.8	0.9	C73
Adrenal gland	5	0.0	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.1	0.2	0.2	C74
Other endocrine	8	0.0	0.4	0.9	1.0	0.6	0.0	0.0	0.0	0.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.3	0.3	C75
Hodgkin disease	10	0.5	0.0	0.4	0.0	0.6	0.5	0.5	0.0	0.6	0.7	0.0	0.0	0.0	1.7	2.6	2.1	0.4	0.4	C81
Non-Hodgkin lymphoma	157	0.9	2.5	0.4	2.9	0.6	1.1	5.8	4.3	6.8	8.9	15.5	13.5	23.1	22.5	25.9	49.4	6.6	6.8	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	22	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	1.4	0.0	5.2	4.1	8.6	10.4	2.1	0.9	1.0	C90
Lymphoid leukemia	46	6.0	2.5	2.2	2.9	0.6	0.0	1.1	0.0	1.7	0.7	0.8	1.0	1.4	0.0	10.4	4.3	1.9	2.1	C91
Myeloid leukemia	59	1.9	0.0	0.4	0.5	1.1	2.2	1.1	2.7	3.4	0.7	2.5	7.2	8.2	8.6	15.5	12.9	2.5	2.6	C92-94
Leukemia unspecified	47	3.2	0.0	0.4	0.5	0.6	0.5	0.0	1.6	1.7	2.7	1.6	8.3	5.4	3.5	12.9	10.7	2.0	2.1	C95
Other and unspecified	361	0.9	0.4	0.4	0.5	2.8	3.3	4.2	8.0	8.5	21.8	30.2	35.2	53.0	95.1	139.7	120.3	15.1	16.4	O&U
All sites	**4,355**	**28.3**	**15.9**	**12.5**	**22.5**	**19.9**	**34.1**	**46.1**	**93.7**	**120.7**	**188.2**	**357.8**	**509.4**	**708.5**	**1055.2**	**1431.0**	**1540.8**	**182.6**	**197.1**	

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Table 3.7.2 Ubon Ratchathani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	55	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.7	2.4	6.9	12.3	4.5	12.6	38.8	2.3	2.2	C00
Tongue	25	0.0	0.0	0.0	0.0	0.6	0.0	0.5	0.5	1.1	2.7	3.9	3.0	2.5	4.5	0.0	5.1	1.0	1.0	C01-02
Mouth	86	0.0	0.9	0.0	0.0	1.2	0.5	0.5	1.0	1.6	1.3	2.4	12.8	12.3	28.7	18.8	32.1	3.6	3.5	C03-06
Salivary glands	15	0.0	0.0	0.0	0.5	0.0	0.0	0.5	2.6	0.0	0.7	0.8	1.0	1.2	1.5	2.1	3.4	0.6	0.6	C07-08
Tonsil	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.2	0.0	4.2	0.0	0.2	0.2	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	30	0.0	0.0	0.5	0.0	0.6	1.0	0.0	1.6	1.6	2.0	2.4	4.9	1.2	3.0	6.3	5.1	1.3	1.2	C11
Hypopharynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.0	0.0	0.0	0.2	0.2	C12-13
Pharynx unspecified	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.7	0.1	0.1	C14
Esophagus	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	1.0	2.5	4.5	2.1	5.1	0.5	0.5	C15
Stomach	58	0.0	0.0	0.0	0.0	0.6	0.0	1.1	1.0	2.2	6.7	4.7	6.9	9.9	13.6	8.4	8.4	2.4	2.4	C16
Small intestine	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	3.7	0.0	2.1	0.0	0.3	0.3	C17
Colon	115	0.0	0.0	0.0	0.5	0.0	0.5	1.1	2.1	4.9	4.7	9.4	11.8	18.5	24.2	37.7	30.4	4.8	4.6	C18
Rectum	94	0.0	0.0	0.0	0.0	0.6	1.6	0.5	4.2	4.4	6.0	5.5	7.9	21.0	16.6	27.2	13.5	3.9	3.8	C19-20
Anus	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	4.2	1.7	0.2	0.2	C21
Liver and bile duct	1017	2.0	0.0	0.0	0.5	0.6	5.8	6.3	7.8	17.0	42.7	81.0	143.9	183.7	260.0	274.4	298.6	42.7	41.6	C22,C24
Gallbladder	58	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.3	1.6	8.9	14.8	10.6	14.7	21.9	2.4	2.3	C23
Pancreas	48	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5	2.2	2.7	1.6	6.9	3.7	15.1	12.6	13.5	2.0	1.9	C25
Nose, sinuses etc.	18	0.0	0.0	0.0	0.5	0.0	0.0	1.1	0.0	0.0	0.7	0.8	2.0	4.9	3.0	2.1	6.7	0.8	0.7	C30-31
Larynx	19	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.6	2.7	0.0	2.0	2.5	4.5	2.1	3.4	0.8	0.8	C32
Trachea, Bronchus, and lung	199	0.0	0.0	0.0	0.5	1.8	3.1	3.2	4.2	4.9	6.0	17.3	24.6	27.1	45.3	52.4	55.7	8.3	8.0	C33-34
Other thoracic organs	18	0.0	0.0	0.5	0.0	0.6	0.0	0.5	0.5	0.0	1.3	3.1	0.0	2.5	0.0	0.0	10.1	0.8	0.7	C37-38
Bone	48	0.0	1.3	1.8	1.6	0.0	1.6	1.1	1.0	0.5	2.0	1.6	5.9	3.7	4.5	18.8	6.7	2.0	2.0	C40-C41
Melanoma of skin	15	0.0	0.4	0.0	0.0	0.6	0.0	0.0	0.5	0.5	1.3	0.0	1.0	1.2	3.0	4.2	5.1	0.6	0.6	C43
Other skin	77	0.0	0.4	0.5	0.0	0.0	1.6	0.5	2.1	0.5	2.7	1.6	6.9	14.8	13.6	27.2	32.1	3.2	3.1	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	14	0.5	0.4	0.5	0.0	0.0	0.5	0.0	0.5	1.1	1.3	1.6	3.0	0.0	0.0	0.0	0.0	0.6	0.6	C47,C49
Breast	462	0.0	0.0	0.0	1.1	0.6	5.2	14.7	20.3	40.7	51.3	55.8	64.1	41.9	39.3	35.6	30.4	19.4	17.7	C50
Vulva	7	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.5	0.0	0.0	0.0	0.0	4.5	0.0	1.7	0.3	0.3	C51
Vagina	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.7	0.0	3.0	3.7	1.5	0.0	3.4	0.5	0.5	C52
Cervix uteri	484	0.0	0.0	0.0	0.0	0.6	5.2	16.8	28.1	40.7	60.6	56.6	46.3	46.8	37.8	33.5	40.5	20.3	18.4	C53
Corpus uteri	105	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.6	11.0	8.7	18.9	9.9	13.6	16.6	8.4	6.7	4.4	4.1	C54
Uterus unspecified	104	0.0	0.0	0.0	0.0	0.6	0.5	3.7	5.7	10.4	23.3	15.7	6.9	1.2	3.0	0.0	0.0	4.4	3.9	C55
Ovary	179	2.0	0.0	2.8	2.7	1.8	3.1	7.9	3.6	11.0	20.0	14.9	23.7	18.5	13.6	25.1	6.7	7.5	7.2	C56
Other female genital	4	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.7	0.0	1.0	0.0	0.0	0.0	0.0	0.2	0.2	C57
Placenta	5	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C58
Kidney	15	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.1	0.7	1.6	1.0	2.5	1.5	4.2	1.7	0.6	0.6	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.1	0.1	C66
Bladder	20	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.5	0.0	0.0	3.0	1.2	3.0	8.4	8.4	0.8	0.8	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	6	0.0	0.0	0.0	0.0	0.6	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.3	0.2	C69
Brain, nervous system	165	1.0	2.2	5.1	3.7	3.1	3.7	5.3	8.3	9.3	12.0	15.7	11.8	14.8	18.1	12.6	8.4	6.9	6.6	C70-72
Thyroid	140	0.0	0.4	0.5	2.7	4.3	6.3	8.9	7.8	3.8	12.7	9.4	12.8	11.1	9.1	12.6	16.9	5.9	5.5	C73
Adrenal gland	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.1	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	1.2	1.5	0.0	0.0	0.2	0.2	C81
Non-Hodgkin lymphoma	134	2.0	0.0	0.0	2.1	3.7	2.6	4.2	5.2	4.9	6.0	5.5	11.8	21.0	13.6	29.3	33.7	5.6	5.4	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.3	1.6	7.9	1.2	3.0	6.3	3.4	1.0	0.9	C90
Lymphoid leukemia	36	4.0	3.6	0.9	1.6	0.6	0.0	0.0	1.0	0.5	1.3	0.8	0.0	3.7	1.5	6.3	1.7	1.5	1.7	C91
Myeloid leukemia	47	0.0	0.4	0.0	2.1	1.8	1.0	1.1	2.6	1.6	1.3	2.4	4.9	4.9	9.1	6.3	6.7	2.0	1.9	C92-94
Leukemia unspecified	65	0.5	0.9	0.9	0.0	1.2	3.1	2.6	2.6	2.2	4.0	2.4	3.9	8.6	9.1	12.6	10.1	2.7	2.6	C95
Other and unspecified	343	2.5	0.0	0.5	0.0	1.2	3.1	4.7	6.2	10.4	17.3	29.9	36.5	51.8	68.0	104.7	86.0	14.4	13.9	O&U
All sites	**4,408**	**15.9**	**11.1**	**14.7**	**21.2**	**27.5**	**55.1**	**92.6**	**129.6**	**196.2**	**314.6**	**375.0**	**509.6**	**597.8**	**719.6**	**846.1**	**870.5**	**184.9**	**175.8**	

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Table 3.7.3 Annual incidence, Ubon Ratchathani, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	7	0.2	0.3	0.4	0.0	0.0	55	1.2	2.3	2.2	0.1	0.2
C01-02	Tongue	39	0.9	1.6	1.8	0.1	0.2	25	0.6	1.0	1.0	0.1	0.1
C03-06	Mouth	34	0.8	1.4	1.5	0.1	0.2	86	2.0	3.6	3.5	0.2	0.4
C07-08	Salivary glands	18	0.4	0.8	0.8	0.0	0.1	15	0.3	0.6	0.6	0.0	0.1
C09	Tonsil	9	0.2	0.4	0.4	0.0	0.1	5	0.1	0.2	0.2	0.0	0.0
C10	Other oropharynx	4	0.1	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	66	1.5	2.8	2.8	0.2	0.3	30	0.7	1.3	1.2	0.1	0.1
C12-13	Hypopharynx	21	0.5	0.9	0.9	0.0	0.1	4	0.1	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	4	0.1	0.2	0.2	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C15	Esophagus	37	0.8	1.6	1.7	0.1	0.2	13	0.3	0.5	0.5	0.0	0.1
C16	Stomach	100	2.3	4.2	4.5	0.3	0.6	58	1.3	2.4	2.4	0.2	0.3
C17	Small intestine	6	0.1	0.3	0.2	0.0	0.0	6	0.1	0.3	0.3	0.0	0.0
C18	Colon	145	3.3	6.1	6.5	0.3	0.7	115	2.6	4.8	4.6	0.3	0.6
C19-20	Rectum	90	2.1	3.8	4.1	0.2	0.5	94	2.1	3.9	3.8	0.3	0.5
C21	Anus	2	0.0	0.1	0.1	0.0	0.0	5	0.1	0.2	0.2	0.0	0.0
C22,C24	Liver and bile duct	1769	40.6	74.2	80.6	4.7	9.9	1017	23.1	42.7	41.6	2.5	5.1
C23	Gallbladder	58	1.3	2.4	2.7	0.1	0.3	58	1.3	2.4	2.3	0.1	0.3
C25	Pancreas	34	0.8	1.4	1.5	0.1	0.2	48	1.1	2.0	1.9	0.1	0.2
C30-31	Nose, sinuses etc.	18	0.4	0.8	0.7	0.0	0.1	18	0.4	0.8	0.7	0.0	0.1
C32	Larynx	47	1.1	2.0	2.3	0.1	0.3	19	0.4	0.8	0.8	0.0	0.1
C33-34	Trachea, Bronchus, and lung	419	9.6	17.6	19.4	0.9	2.5	199	4.5	8.3	8.0	0.5	1.0
C37-38	Other thoracic organs	24	0.6	1.0	1.0	0.1	0.1	18	0.4	0.8	0.7	0.0	0.0
C40-C41	Bone	49	1.1	2.1	2.2	0.1	0.2	48	1.1	2.0	2.0	0.1	0.2
C43	Melanoma of skin	12	0.3	0.5	0.5	0.0	0.0	15	0.3	0.6	0.6	0.0	0.1
C44	Other skin	88	2.0	3.7	3.9	0.2	0.4	77	1.7	3.2	3.1	0.2	0.4
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	24	0.6	1.0	1.0	0.1	0.1	14	0.3	0.6	0.6	0.0	0.0
C50	Breast	11	0.3	0.5	0.5	0.0	0.1	462	10.5	19.4	17.7	1.5	1.9
C51	Vulva							7	0.2	0.3	0.3	0.0	0.0
C52	Vagina							12	0.3	0.5	0.5	0.0	0.0
C53	Cervix uteri							484	11.0	20.3	18.4	1.5	1.9
C54	Corpus uteri							105	2.4	4.4	4.1	0.3	0.5
C55	Uterus unspecified							104	2.4	4.4	3.9	0.3	0.4
C56	Ovary							179	4.1	7.5	7.2	0.6	0.8
C57	Other female genital							4	0.1	0.2	0.2	0.0	0.0
C58	Placenta							5	0.1	0.2	0.2	0.0	0.0
C60	Penis	51	1.2	2.1	2.3	0.1	0.3						
C61	Prostate	126	2.9	5.3	5.9	0.1	0.7						
C62	Testis	14	0.3	0.6	0.6	0.0	0.0						
C63	Other male genital organs	1	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	43	1.0	1.8	1.9	0.1	0.2	15	0.3	0.6	0.6	0.0	0.1
C65	Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C67	Bladder	72	1.7	3.0	3.2	0.1	0.3	20	0.5	0.8	0.8	0.0	0.1
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	4	0.1	0.2	0.2	0.0	0.0	6	0.1	0.3	0.2	0.0	0.0
C70-72	Brain, nervous system	174	4.0	7.3	7.5	0.4	0.8	165	3.7	6.9	6.6	0.5	0.6
C73	Thyroid	20	0.5	0.8	0.9	0.0	0.1	140	3.2	5.9	5.5	0.4	0.5
C74	Adrenal gland	5	0.1	0.2	0.2	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C75	Other endocrine	8	0.2	0.3	0.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	10	0.2	0.4	0.4	0.0	0.0	4	0.1	0.2	0.2	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	157	3.6	6.6	6.8	0.4	0.7	134	3.0	5.6	5.4	0.3	0.6
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	22	0.5	0.9	1.0	0.1	0.2	23	0.5	1.0	0.9	0.1	0.1
C91	Lymphoid leukemia	46	1.1	1.9	2.1	0.1	0.2	36	0.8	1.5	1.7	0.1	0.1
C92-94	Myeloid leukemia	59	1.4	2.5	2.6	0.2	0.3	47	1.1	2.0	1.9	0.1	0.2
C95	Leukemia unspecified	47	1.1	2.0	2.1	0.1	0.2	65	1.5	2.7	2.6	0.2	0.3
O&U	Other and unspecified	361	8.3	15.1	16.4	0.8	2.0	343	7.8	14.4	13.9	0.8	1.7
	All sites	**4355**	**100.0**	**182.6**	**197.1**	**10.8**	**23.2**	**4408**	**100.0**	**184.9**	**175.8**	**11.8**	**19.6**

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Table 3.7.4 Percentage of morphologically verified and death certificate only cases, Ubon Ratchathani, 2004-2006

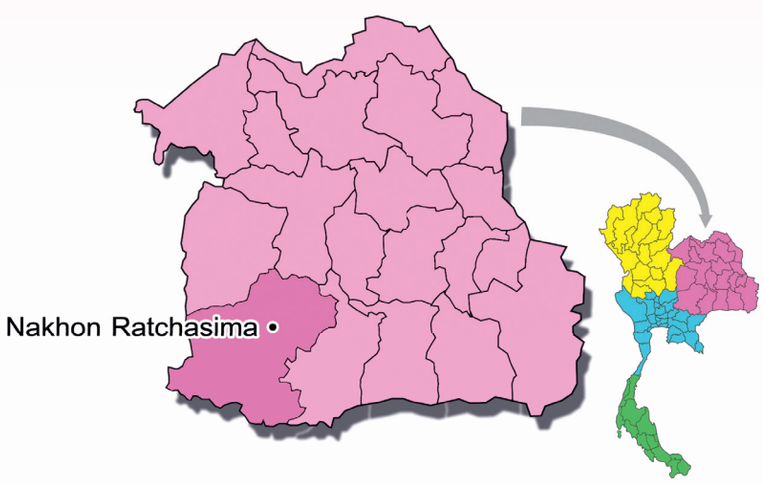
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	98	70.4	2.0	181	74.6	3.3
C09-C10,C14	Oropharynx, etc.	17	70.6	11.8	7	42.9	0.0
C11	Nasopharynx	66	78.8	1.5	30	76.7	0.0
C12-C13	Hypopharynx	21	85.7	0.0	4	75.0	0.0
C15	Esophagus	37	54.1	8.1	13	53.8	0.0
C16	Stomach	100	53.0	4.0	58	56.9	1.7
C17	Small intestine	6	66.7	16.7	6	66.7	0.0
C18-C21	Colon and rectum	237	63.7	2.5	214	66.4	2.3
C22,C24	Liver and bile duct	1769	6.3	17.8	1017	7.6	16.4
C23	Gallbladder	58	46.6	17.2	58	50.0	15.5
C25	Pancreas	34	20.6	5.9	48	10.4	8.3
C30-C31	Nose, sinuses etc.	18	61.1	0.0	18	38.9	0.0
C32	Larynx	47	74.5	2.1	19	31.6	5.3
C33-C34	Trachea, bronchus and lung	419	57.0	19.6	199	49.2	20.1
C37-C38	Other thoracic organs	24	79.2	8.3	18	88.9	0.0
C40-C41	Bone	49	14.3	32.7	48	14.6	41.7
C43	Melanoma of skin	12	100.0	0.0	15	100.0	0.0
C44	Other skin	88	76.1	2.3	77	68.8	2.6
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	24	62.5	4.2	14	42.9	7.1
C50	Breast	11	72.7	0.0	462	81.4	1.3
C51	Vulva				7	57.1	0.0
C52	Vagina				12	75.0	0.0
C53	Cervix uteri				484	68.4	1.9
C54	Corpus uteri				105	57.1	0.0
C55	Uterus unspecified				104	3.8	9.6
C56	Ovary				179	52.5	1.1
C51,C52,C57	Other female genital				4	25.0	0.0
C58	Placenta				5	60.0	0.0
C60	Penis	51	70.6	0.0			
C61	Prostate	126	50.8	4.0			
C62	Testis	14	50.0	0.0			
C63	Other male genital organs	1	0.0	0.0			
C64	Kidney	43	74.4	4.7	15	60.0	0.0
C65	Renal pelvis	0	-	-	0	-	-
C66	Ureter	0	-	-	2	50.0	0.0
C67	Bladder	72	56.9	2.8	20	40.0	0.0
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	4	50.0	0.0	6	83.3	0.0
C70-C72	Brain, nervous system	174	28.2	8.6	165	26.1	7.9
C73	Thyroid	20	85.0	0.0	140	59.3	0.0
C74	Adrenal gland	5	80.0	0.0	2	0.0	0.0
C75	Other endocrine	8	37.5	0.0	0	-	-
C81	Hodgkin's disease	10	100.0	0.0	4	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	157	96.8	3.2	134	97.0	3.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	22	100.0	0.0	23	100.0	0.0
C91-C95	Leukemia	152	88.2	11.8	148	88.5	11.5
O&U	Other and unspecified	361	38.2	26.3	343	30.9	27.4
	All sites	**4355**	**37.8**	**13.6**	**4408**	**47.5**	**9.3**

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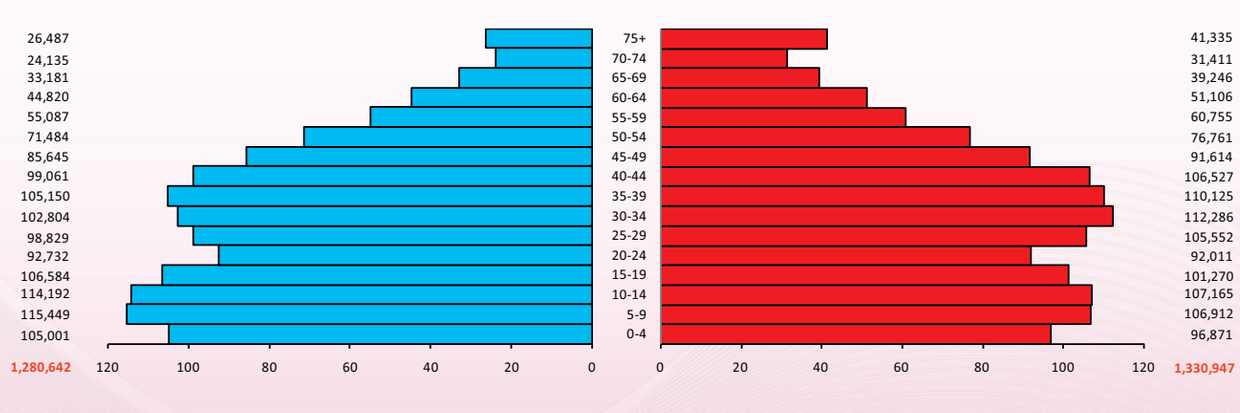
Nakhon Ratchasima Cancer Registry

Registration area

Nakhon Ratchasima, or "Khorat," is a large province on the northeastern plateau which acts as a gateway to other provinces in the Northeast. It is located at a latitude 14 : 58 N and longitude 102°6'0' ' E at the western end of the Khorat Plateau, separated from the Chao Phraya river valley by the Phetchabun and Dong Phaya Yen mountain ranges. It is 259 kilometers from Bangkok and has an area of around 20,494 km², making it the largest province in Thailand. The province is rich in Khmer culture and has a long history.



Population pyramid, Nakhon Ratchasima, 2005



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Cancer care facilities

Nakhon Ratchasima Cancer Registry is under the supervision of the National Cancer Institute. At the primary health care level, there are facilities for specialized cancer diagnosis and treatment. Nakhon Ratchasima provincial hospital is a general hospital that has facilities for surgery, chemotherapy, and radiotherapy. Most of cancer patients are referred to the Nakhon Ratchasima hospitals for diagnosis and treatment.

Registry procedures

The population-based cancer registry Nakhon Ratchasima province was set up at the National Cancer Institute, Bangkok in 2000. The source of information comes from all hospitals in Nakhon Ratchasima province and Bangkok cancer registry. Cancer cases are collected from the medical records departments, outpatient clinics, pathology laboratories, clinical laboratories and death certificates. All data are checked for duplication, verified, coded and keyed into the Thai Cancer Base programme and the IARC/IACR Cancer Registry tools programme.

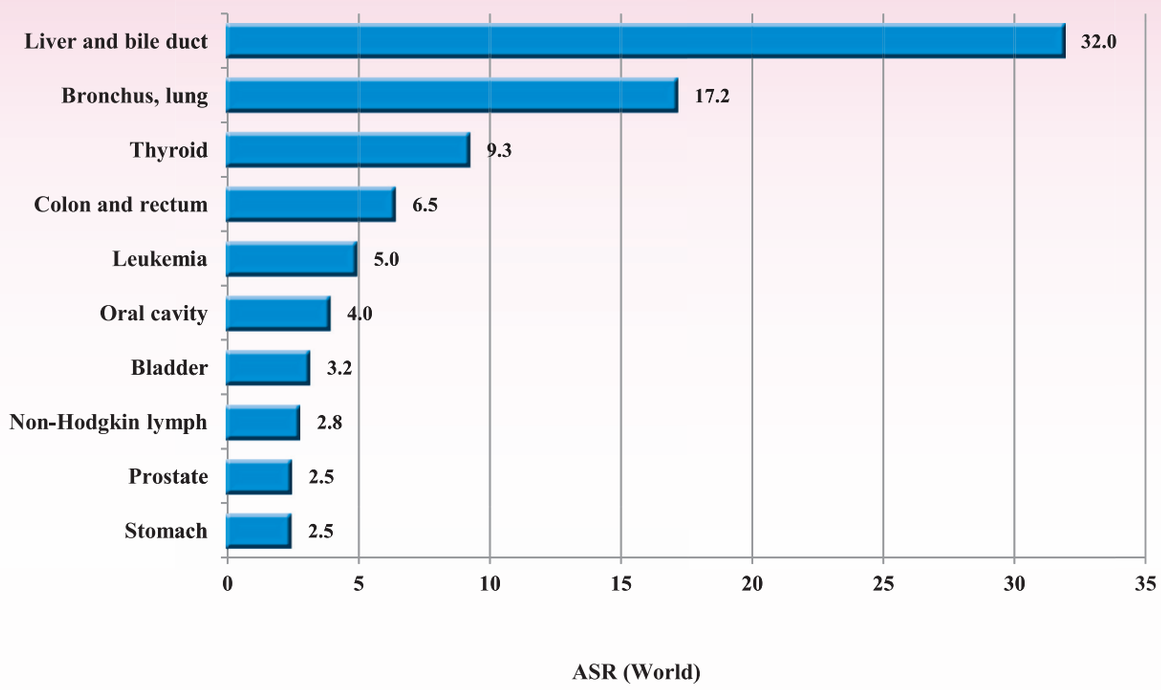
Summary of results

New cases registered in 2004-2006, 4,505 were males and 4,078 were females, making up 8,583 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males was 117.4 per 100,000, with liver and bile duct (ASR = 32.0) as the first site, followed by lung (ASR = 17.2) and thyroid (ASR = 9.3). ASR of all cancer sites in female is 87.9, three leading cancers in females are breast (ASR = 12.6), liver and bile duct (ASR = 10.5) and thyroid (ASR = 8.6).

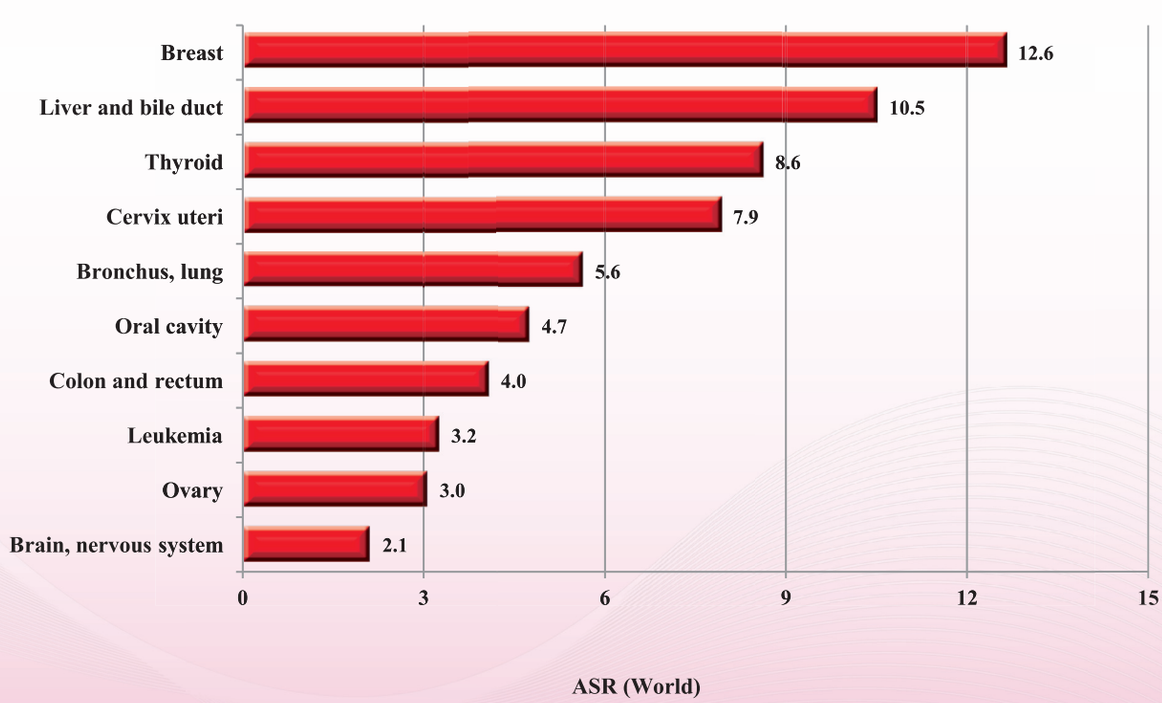
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Figure 3.7 Leading cancer in Nakhon Ratchasima, 2004-2006

Male



Female



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Table 3.8.1 Nakhon Ratchasima (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	9	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.7	0.0	2.8	3.8	0.2	0.2	C00
Tongue	60	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.3	1.3	2.7	5.1	3.0	5.2	5.0	9.7	11.3	1.6	1.5	C01-02
Mouth	83	0.0	0.0	0.0	0.0	0.4	0.3	0.3	1.9	2.7	2.3	3.7	9.1	7.4	5.0	9.7	18.9	2.2	2.1	C03-06
Salivary glands	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.5	0.6	0.7	1.0	0.0	1.3	0.2	0.2	C07-08
Tonsil	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.4	1.8	1.5	3.0	0.0	3.8	0.4	0.4	C09
Other oropharynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.1	0.1	C10
Nasopharynx	44	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.3	2.3	6.1	1.2	5.9	2.0	5.5	6.3	1.1	1.1	C11
Hypopharynx	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	4.1	8.8	0.3	0.3	C12-13
Pharynx unspecified	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	1.2	0.0	1.0	1.4	3.8	0.2	0.2	C14
Esophagus	85	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	3.1	4.7	7.9	8.2	14.1	18.0	15.1	2.2	2.2	C15
Stomach	98	0.0	0.0	0.0	0.0	0.0	0.7	1.0	0.0	1.7	3.1	3.7	5.4	8.2	13.1	22.1	28.9	2.6	2.5	C16
Small intestine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	0.1	0.1	C17
Colon	170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.7	1.9	8.9	8.5	18.6	24.1	41.4	44.0	4.4	4.4	C18
Rectum	77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	3.1	4.7	3.6	5.9	7.0	19.3	26.4	2.0	2.0	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.1	0.0	C21
Liver and bile duct	1241	0.6	0.3	0.0	0.0	0.4	2.4	5.5	12.7	26.9	42.0	60.6	100.4	125.7	176.8	212.7	239.1	32.3	32.0	C22,C24
Gallbladder	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	2.3	5.4	3.0	4.0	12.4	22.7	1.3	1.3	C23
Pancreas	39	0.0	0.0	0.0	0.0	0.4	0.0	0.3	1.6	0.3	1.9	1.4	3.6	4.5	6.0	2.8	3.8	1.0	1.0	C25
Nose, sinuses etc.	15	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.7	0.8	0.9	0.0	0.7	1.0	1.4	5.0	0.4	0.4	C30-31
Larynx	42	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.7	1.6	1.4	1.2	2.2	8.0	12.4	11.3	1.1	1.1	C32
Trachea, Bronchus, and lung	648	0.6	0.0	0.0	0.0	0.4	1.0	1.0	4.1	7.4	10.9	21.5	36.9	57.3	119.5	158.8	198.8	16.9	17.2	C33-34
Other thoracic organs	9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	1.5	0.0	1.4	2.5	0.2	0.2	C37-38
Bone	65	0.0	0.0	0.9	1.9	1.8	1.3	1.0	0.6	0.7	2.3	2.8	4.2	5.9	4.0	5.5	6.3	1.7	1.7	C40-C41
Melanoma of skin	20	0.0	0.3	0.0	0.0	0.7	0.0	0.3	0.0	0.3	0.8	0.9	1.2	0.0	3.0	0.0	7.6	0.5	0.5	C43
Other skin	62	0.3	0.0	0.3	0.0	0.0	0.0	0.6	1.3	1.0	2.3	2.8	3.6	6.7	9.0	8.3	11.3	1.6	1.6	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	25	1.0	0.9	0.0	0.0	0.4	0.3	0.3	0.6	1.0	0.8	0.9	0.6	0.0	2.0	1.4	3.8	0.7	0.7	C47,C49
Breast	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.9	0.6	0.0	0.0	0.0	1.3	0.2	0.1	C50
Penis	14	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.4	1.4	0.6	1.5	3.0	2.8	1.3	0.4	0.4	C60
Prostate	95	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.4	0.0	2.4	4.5	14.1	26.2	61.7	2.5	2.5	C61
Testis	18	0.6	0.3	0.0	0.6	0.4	0.3	0.6	1.0	0.7	0.0	0.5	0.0	0.7	0.0	0.0	2.5	0.5	0.5	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	23	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.4	1.4	1.8	0.7	3.0	6.9	5.0	0.6	0.6	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.3	0.1	0.1	C66
Bladder	123	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.0	0.8	3.3	7.3	8.9	15.1	38.7	49.1	3.2	3.2	C67
Other urinary organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	0.0	0.0	0.1	0.1	C68
Eye	15	1.0	0.9	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.7	2.0	0.0	2.5	0.4	0.4	C69
Brain, nervous system	92	0.3	1.2	1.8	0.3	1.1	1.3	1.0	1.6	2.7	2.3	4.2	2.4	6.7	9.0	15.2	11.3	2.4	2.4	C70-72
Thyroid	356	0.0	0.0	0.3	0.9	1.1	1.0	2.3	4.8	6.7	8.6	15.4	22.4	43.9	58.3	73.2	52.9	9.3	9.3	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	6	0.0	0.0	0.0	0.6	0.4	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.2	0.2	C81
Non-Hodgkin lymphoma	108	1.0	1.7	1.2	0.3	0.4	0.3	1.3	1.6	0.7	3.9	3.7	6.1	8.9	12.1	18.0	20.1	2.8	2.8	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	35	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.6	1.4	2.4	3.7	10.0	4.1	5.0	0.9	0.9	C90
Lymphoid leukemia	61	3.2	4.9	2.6	1.9	0.4	0.3	0.0	1.0	0.3	0.4	0.9	1.2	3.0	0.0	0.0	5.0	1.6	1.7	C91
Myeloid leukemia	33	0.0	0.3	0.3	0.3	0.4	0.3	0.0	0.3	0.3	0.8	1.4	1.8	3.7	5.0	1.4	8.8	0.9	0.9	C92-94
Leukemia unspecified	93	0.6	0.3	0.3	1.6	1.4	1.3	1.9	1.9	1.3	2.7	1.9	3.6	5.2	8.0	11.0	25.2	2.4	2.4	C95
Other and unspecified	529	0.6	0.6	1.2	0.6	1.8	1.0	0.6	4.1	6.4	10.9	15.9	30.3	54.3	78.4	129.8	151.0	13.8	14.0	O&U
All sites	**4,505**	**9.8**	**12.1**	**9.3**	**10.6**	**11.9**	**14.2**	**20.8**	**44.1**	**76.0**	**115.6**	**187.5**	**283.8**	**417.2**	**629.9**	**881.2**	**1092.4**	**117.3**	**117.4**	

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Table 3.8.2 Nakhon Ratchasima (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	2.7	2.0	6.8	17.0	16.1	1.4	1.1	C00
Tongue	35	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	1.1	0.9	2.7	1.3	5.1	3.2	8.1	0.9	0.7	C01-02
Mouth	125	0.3	0.0	0.0	0.0	0.4	0.3	1.2	0.3	0.6	2.5	2.6	4.4	6.5	14.4	27.6	33.1	3.1	2.6	C03-06
Salivary glands	9	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.3	0.0	0.7	0.8	1.1	0.8	0.2	0.2	C07-08
Tonsil	8	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.5	1.3	0.8	0.0	0.8	0.2	0.2	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	C10
Nasopharynx	26	0.0	0.0	0.0	0.0	0.4	0.6	0.3	0.6	0.6	1.5	2.2	2.2	1.3	0.8	1.1	0.8	0.7	0.6	C11
Hypopharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C12-13
Pharynx unspecified	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.8	0.0	1.6	0.1	0.1	C14
Esophagus	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.3	4.2	2.1	3.2	0.4	0.4	C15
Stomach	54	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.2	1.6	2.2	1.7	2.7	3.9	4.2	4.2	9.7	1.4	1.1	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	C17
Colon	145	0.0	0.0	0.0	0.0	0.4	0.6	0.6	0.9	3.8	3.6	3.9	8.2	9.1	12.7	22.3	33.1	3.6	3.0	C18
Rectum	48	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.1	1.3	2.2	2.0	5.1	9.6	11.3	1.2	1.0	C19-20
Anus	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.1	0.1	C21
Liver and bile duct	481	0.0	0.3	0.0	0.3	0.4	0.6	2.1	1.8	9.7	9.1	20.0	26.3	50.2	64.6	79.6	68.5	12.0	10.5	C22,C24
Gallbladder	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	2.2	2.2	2.0	6.8	6.4	14.5	1.2	0.9	C23
Pancreas	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.5	0.9	3.8	3.9	5.9	9.6	7.3	1.2	1.0	C25
Nose, sinuses etc.	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.1	0.0	C30-31
Larynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.8	1.1	1.6	0.2	0.1	C32
Trachea, Bronchus, and lung	264	0.0	0.0	0.0	0.0	0.4	0.6	0.0	4.5	2.8	6.2	10.0	17.6	14.3	38.2	44.6	45.2	6.6	5.6	C33-34
Other thoracic organs	10	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.4	1.6	0.0	0.0	2.1	0.8	0.3	0.2	C37-38
Bone	40	0.0	0.3	0.3	0.7	0.4	0.0	0.3	0.6	1.6	0.4	0.9	3.3	3.3	2.5	8.5	1.6	1.0	0.9	C40-C41
Melanoma of skin	7	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.1	2.4	0.2	0.1	C43
Other skin	71	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	2.2	3.3	5.2	6.8	6.4	23.4	1.8	1.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	20	0.7	0.0	0.6	0.0	0.0	0.0	0.3	0.3	0.6	0.4	0.0	2.7	0.7	0.8	0.0	3.2	0.5	0.5	C47,C49
Breast	591	0.0	0.3	0.0	0.0	0.4	1.3	7.4	17.3	23.2	44.0	46.5	30.7	33.3	37.4	27.6	19.4	14.8	12.6	C50
Vulva	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.7	0.0	1.1	0.8	0.1	0.1	C51
Vagina	7	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.6	0.0	0.0	0.9	0.0	0.0	0.0	0.0	1.6	0.2	0.1	C52
Cervix uteri	365	0.3	0.0	0.0	0.0	0.4	0.6	4.2	6.4	14.4	20.0	22.6	23.0	26.1	29.7	30.8	21.8	9.1	7.9	C53
Corpus uteri	40	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.6	2.2	3.0	4.9	3.9	3.4	1.1	2.4	1.0	0.9	C54
Uterus unspecified	40	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.3	1.8	2.6	1.1	4.6	5.9	2.1	3.2	1.0	0.9	C55
Ovary	137	0.0	0.0	0.0	1.3	2.2	1.3	1.5	2.4	5.0	6.5	6.1	8.8	8.5	11.0	9.6	8.9	3.4	3.0	C56
Other female genital	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0	0.0	1.3	0.0	0.0	0.0	0.1	0.1	C57
Placenta	3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.1	0.1	C58
Kidney	10	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.2	1.6	0.3	0.2	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	66	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	1.5	0.4	0.5	4.6	8.5	8.5	26.6	1.7	1.3	C67
Other urinary organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1	0.1	C68
Eye	10	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.0	1.1	0.8	0.3	0.3	C69
Brain, nervous system	92	0.0	0.3	2.2	1.6	0.4	1.9	1.5	2.4	3.4	4.0	3.0	3.8	5.9	6.8	2.1	3.2	2.3	2.1	C70-72
Thyroid	398	0.0	0.3	0.3	0.3	1.4	2.8	6.2	8.8	6.6	13.8	21.3	21.9	26.1	41.6	52.0	37.1	10.0	8.6	C73
Adrenal gland	2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	76	0.0	0.3	0.3	0.3	0.4	1.3	0.3	2.1	2.2	4.4	6.1	1.6	3.3	2.5	9.6	5.6	1.9	1.6	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	2.2	0.0	1.6	1.3	3.4	4.2	3.2	0.7	0.6	C90
Lymphoid leukemia	40	0.7	3.4	1.6	1.3	0.4	0.3	0.6	0.3	0.3	0.4	0.0	1.6	1.3	1.7	1.1	2.4	1.0	1.1	C91
Myeloid leukemia	29	0.3	0.0	0.3	0.0	0.4	0.6	0.3	1.5	0.3	0.0	0.0	0.5	3.9	1.7	1.1	5.6	0.7	0.6	C92-94
Leukemia unspecified	66	0.3	0.3	0.0	1.0	2.9	0.6	0.3	1.5	1.3	2.2	1.3	2.7	3.9	3.4	6.4	8.9	1.7	1.5	C95
Other and unspecified	538	0.0	0.0	0.0	0.3	2.9	3.2	2.7	8.8	10.0	21.5	23.4	45.0	47.6	47.6	55.2	58.9	13.5	11.7	O&U
All sites	**4,078**	**5.2**	**7.2**	**6.5**	**7.6**	**14.5**	**17.7**	**33.0**	**68.1**	**94.2**	**156.5**	**191.1**	**235.4**	**287.0**	**391.5**	**468.0**	**501.6**	**102.1**	**87.9**	

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Table 3.8.3 Annual incidence, Nakhon Ratchasima, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	9	0.2	0.2	0.2	0.0	0.0	56	1.4	1.4	1.1	0.0	0.2
C01-02	Tongue	60	1.3	1.6	1.5	0.1	0.2	35	0.9	0.9	0.7	0.0	0.1
C03-06	Mouth	83	1.8	2.2	2.1	0.1	0.2	125	3.1	3.1	2.6	0.1	0.3
C07-08	Salivary glands	7	0.2	0.2	0.2	0.0	0.0	9	0.2	0.2	0.2	0.0	0.0
C09	Tonsil	16	0.4	0.4	0.4	0.0	0.0	8	0.2	0.2	0.2	0.0	0.0
C10	Other oropharynx	2	0.0	0.1	0.1	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	44	1.0	1.1	1.1	0.1	0.1	26	0.6	0.7	0.6	0.0	0.1
C12-13	Hypopharynx	11	0.2	0.3	0.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C14	Pharynx unspecified	9	0.2	0.2	0.2	0.0	0.0	5	0.1	0.1	0.1	0.0	0.0
C15	Esophagus	85	1.9	2.2	2.2	0.1	0.3	16	0.4	0.4	0.4	0.0	0.0
C16	Stomach	98	2.2	2.6	2.5	0.1	0.3	54	1.3	1.4	1.1	0.1	0.1
C17	Small intestine	2	0.0	0.1	0.1	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C18	Colon	170	3.8	4.4	4.4	0.2	0.5	145	3.6	3.6	3.0	0.2	0.3
C19-20	Rectum	77	1.7	2.0	2.0	0.1	0.2	48	1.2	1.2	1.0	0.0	0.1
C21	Anus	2	0.0	0.1	0.0	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	1241	27.5	32.3	32.0	1.9	3.8	481	11.8	12.0	10.5	0.6	1.3
C23	Gallbladder	50	1.1	1.3	1.3	0.1	0.1	46	1.1	1.2	0.9	0.0	0.1
C25	Pancreas	39	0.9	1.0	1.0	0.1	0.1	46	1.1	1.2	1.0	0.1	0.1
C30-31	Nose, sinuses etc.	15	0.3	0.4	0.4	0.0	0.0	2	0.0	0.1	0.0	0.0	0.0
C32	Larynx	42	0.9	1.1	1.1	0.0	0.1	6	0.1	0.2	0.1	0.0	0.0
C33-34	Trachea, Bronchus, and lung	648	14.4	16.9	17.2	0.7	2.1	264	6.5	6.6	5.6	0.3	0.7
C37-38	Other thoracic organs	9	0.2	0.2	0.2	0.0	0.0	10	0.2	0.3	0.2	0.0	0.0
C40-C41	Bone	65	1.4	1.7	1.7	0.1	0.2	40	1.0	1.0	0.9	0.1	0.1
C43	Melanoma of skin	20	0.4	0.5	0.5	0.0	0.0	7	0.2	0.2	0.1	0.0	0.0
C44	Other skin	62	1.4	1.6	1.6	0.1	0.2	71	1.7	1.8	1.4	0.1	0.1
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	25	0.6	0.7	0.7	0.0	0.1	20	0.5	0.5	0.5	0.0	0.0
C50	Breast	6	0.1	0.2	0.1	0.0	0.0	591	14.5	14.8	12.6	1.0	1.3
C51	Vulva							5	0.1	0.1	0.1	0.0	0.0
C52	Vagina							7	0.2	0.2	0.1	0.0	0.0
C53	Cervix uteri							365	9.0	9.1	7.9	0.6	0.9
C54	Corpus uteri							40	1.0	1.0	0.9	0.1	0.1
C55	Uterus unspecified							40	1.0	1.0	0.9	0.1	0.1
C56	Ovary							137	3.4	3.4	3.0	0.2	0.3
C57	Other female genital							5	0.1	0.1	0.1	0.0	0.0
C58	Placenta							3	0.1	0.1	0.1	0.0	0.0
C60	Penis	14	0.3	0.4	0.4	0.0	0.0						
C61	Prostate	95	2.1	2.5	2.5	0.0	0.2						
C62	Testis	18	0.4	0.5	0.5	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	23	0.5	0.6	0.6	0.0	0.1	10	0.2	0.3	0.2	0.0	0.0
C65	Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	2	0.0	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	123	2.7	3.2	3.2	0.1	0.4	66	1.6	1.7	1.3	0.0	0.1
C68	Other urinary organs	2	0.0	0.1	0.1	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C69	Eye	15	0.3	0.4	0.4	0.0	0.0	10	0.2	0.3	0.3	0.0	0.0
C70-72	Brain, nervous system	92	2.0	2.4	2.4	0.1	0.3	92	2.3	2.3	2.1	0.2	0.2
C73	Thyroid	356	7.9	9.3	9.3	0.5	1.2	398	9.8	10.0	8.6	0.5	1.0
C74	Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	2	0.0	0.1	0.1	0.0	0.0
C75	Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	6	0.1	0.2	0.2	0.0	0.0	4	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	108	2.4	2.8	2.8	0.2	0.3	76	1.9	1.9	1.6	0.1	0.2
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	35	0.8	0.9	0.9	0.0	0.1	26	0.6	0.7	0.6	0.0	0.1
C91	Lymphoid leukemia	61	1.4	1.6	1.7	0.1	0.1	40	1.0	1.0	1.1	0.1	0.1
C92-94	Myeloid leukemia	33	0.7	0.9	0.9	0.0	0.1	29	0.7	0.7	0.6	0.0	0.1
C95	Leukemia unspecified	93	2.1	2.4	2.4	0.1	0.2	66	1.6	1.7	1.5	0.1	0.1
O&U	Other and unspecified	529	11.7	13.8	14.0	0.6	1.7	538	13.2	13.5	11.7	0.8	1.3
	All sites	**4505**	**100.0**	**117.3**	**117.4**	**6.1**	**13.6**	**4078**	**100.0**	**102.1**	**87.9**	**5.6**	**9.9**

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Table 3.8.4 Percentage of morphologically verified and death certificate only cases, Nakhon Ratchasima, 2004-2006

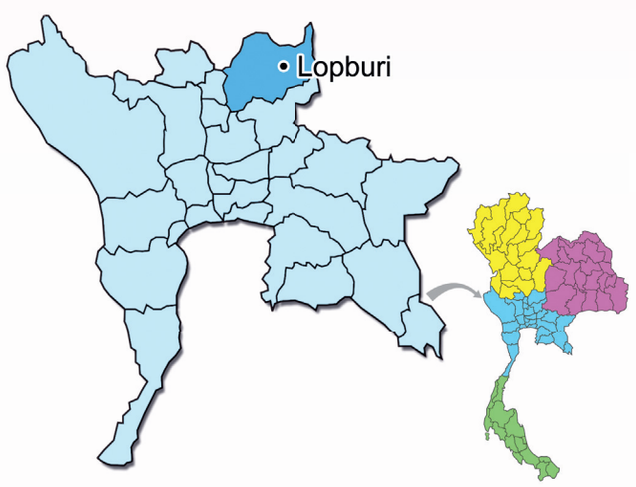
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	159	33.3	23.3	225	47.6	16.0
C09-C10,C14	Oropharynx, etc.	27	33.3	29.6	14	21.4	21.4
C11	Nasopharynx	44	29.5	11.4	26	26.9	19.2
C12-C13	Hypopharynx	11	18.2	0.0	0	-	-
C15	Esophagus	85	7.1	48.2	16	6.3	37.5
C16	Stomach	98	18.4	43.9	54	20.4	38.9
C17	Small intestine	2	0.0	50.0	1	100.0	0.0
C18-C21	Colon and rectum	249	22.5	21.3	196	25.5	18.4
C22,C24	Liver and bile duct	1241	14.0	56.9	481	15.2	52.6
C23	Gallbladder	50	2.0	72.0	46	2.2	63.0
C25	Pancreas	39	0.0	48.7	46	6.5	28.3
C30-C31	Nose, sinuses etc.	15	20.0	13.3	2	0.0	0.0
C32	Larynx	42	16.7	23.8	6	16.7	16.7
C33-C34	Trachea, bronchus and lung	648	9.6	46.8	264	11.7	49.6
C37-C38	Other thoracic organs	9	11.1	22.2	10	50.0	10.0
C40-C41	Bone	65	9.2	55.4	40	7.5	60.0
C43	Melanoma of skin	20	100.0	0.0	7	100.0	0.0
C44	Other skin	62	30.6	27.4	71	60.6	7.0
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	25	40.0	12.0	20	50.0	0.0
C50	Breast	6	33.3	16.7	591	52.1	15.6
C51	Vulva				5	40.0	0.0
C52	Vagina				7	28.6	14.3
C53	Cervix uteri				365	27.7	21.6
C54	Corpus uteri				40	52.5	2.5
C55	Uterus unspecified				40	5.0	85.0
C56	Ovary				137	30.7	20.4
C51,C52,C57	Other female genital				5	0.0	40.0
C58	Placenta				3	66.7	33.3
C60	Penis	14	35.7	7.1			
C61	Prostate	95	12.6	24.2			
C62	Testis	18	61.1	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	23	13.0	52.2	10	30.0	70.0
C65	Renal pelvis	1	0.0	0.0	0	-	-
C66	Ureter	2	0.0	50.0	0	-	-
C67	Bladder	123	52.0	10.6	66	43.9	13.6
C68	Other urinary organs	2	50.0	50.0	3	0.0	33.3
C69	Eye	15	33.3	13.3	10	40.0	10.0
C70-C72	Brain, nervous system	92	7.6	71.7	92	14.1	64.1
C73	Thyroid	356	2.0	94.4	398	12.6	66.6
C74	Adrenal gland	1	0.0	100.0	2	50.0	0.0
C75	Other endocrine	1	100.0	0.0	0	-	-
C81	Hodgkin's disease	6	100.0	0.0	4	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	108	100.0	0.0	76	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	35	100.0	0.0	26	100.0	0.0
C91-C95	Leukemia	187	59.4	40.6	135	61.5	38.5
O&U	Other and unspecified	529	52.7	22.7	538	68.6	13.8
	All sites	**4505**	**24.8**	**43.8**	**4078**	**36.7**	**31.1**

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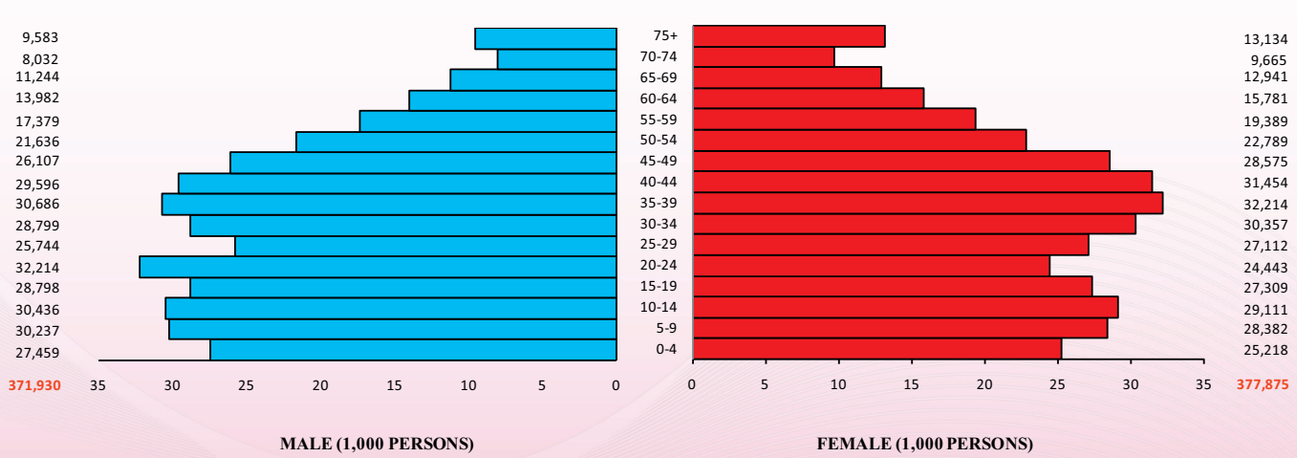
Lop Buri Cancer Registry

Registration area

Lop Buri is located on the east side of the Chao Phraya river valley, between the Lop Buri river and Pa Sak rivers at latitude 14:48 N and 100:37 E. The land area is 6,200 square kilometers and the Lopburi registry covers of 11 districts and a population estimated in 2005 at 749,806. Thirty percent of the area is a low plain and the remaining seventy percent is intermixed between plain and hills.



Population pyramid, Lop Buri, 2005



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Cancer care facilities

The government of Thailand provides general health care in the region. Hospitals providing extensive cancer patient care include Lopburi cancer center, King Narai hospital, and Ananthamahidol (Army) Hospital. Facilities for surgery, chemotherapy, and radiotherapy are available. Two private hospitals, 1 Air Force hospital, and 10 community hospitals are capable of supplying basic care to cancer patients. As in other provinces in Thailand, an extensive network of health care facilities takes care of patients at the household level.

Registry procedures

The registry is located within the Lopburi cancer center. The registry is staffed by one part - time medical doctor and a number of full - time registrars.

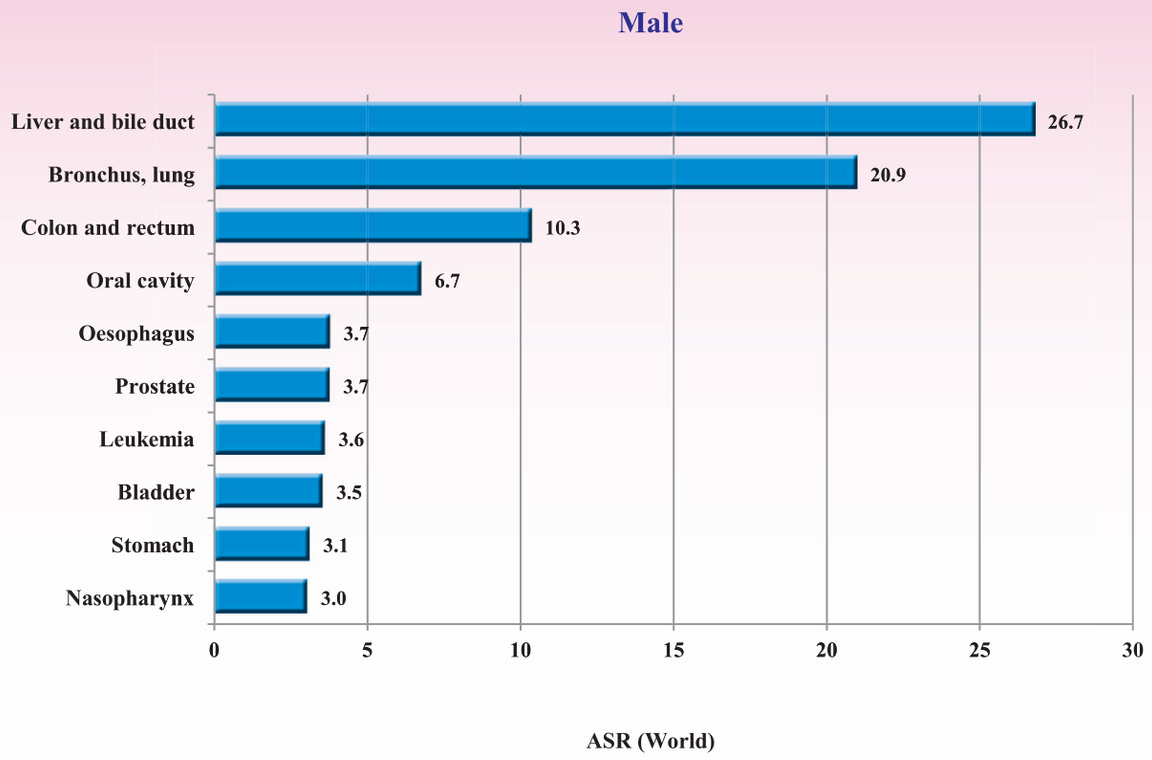
The Lopburi registry undertakes active case finding from sources of data consisting of the hospitals mentioned above. The completeness of death registration is acceptable but the cause of death data are not sufficiently accurate, being mostly cardiopulmonary arrest and senility. After the national health care reform started in 2000, the validity of the death certificates has been improving.

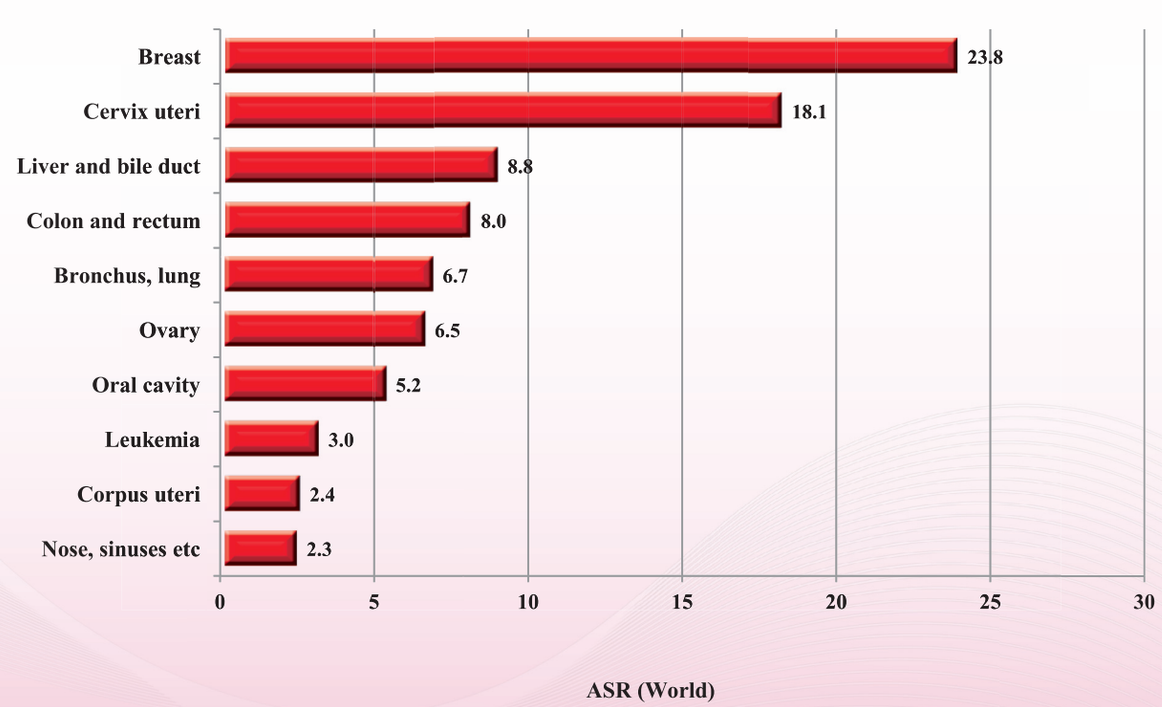
Summary of Results

New cases registered in 2004-2006, 1,520 were males and 1,581 were females, making 3,101 for both sex. The age - standardized incidence rate (ASR) of all cancer sites in males is 123.0 per 100,000, liver and bile duct cancer ranking first (ASR = 26.7) followed by lung (ASR = 20.9) and colon and rectum (ASR = 10.3). The ASR of all cancer sites in females was 112.8, the three leading cancers being breast (ASR = 23.8), cervix (ASR = 18.1) and liver and bile duct (ASR = 8.8).

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Figure 3.8 Leading cancer in Lop Buri, 2004-2006





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Cancer in thailand.indd 123

Table 3.9.1 Lop Buri (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.2	0.2	C00
Tongue	30	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4	7.7	3.1	5.8	11.9	3.0	20.8	10.4	2.7	2.4	C01-02
Mouth	46	1.2	1.1	0.0	0.0	0.0	2.6	0.0	1.1	1.1	5.1	6.2	5.8	19.1	5.9	41.5	31.3	4.1	3.8	C03-06
Salivary glands	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.9	0.0	0.0	0.0	3.5	0.3	0.2	C07-08
Tonsil	16	2.4	1.1	0.0	2.3	0.0	0.0	1.2	0.0	3.4	2.6	1.5	0.0	0.0	0.0	8.3	7.0	1.4	1.4	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.1	0.1	C10
Nasopharynx	36	1.2	0.0	0.0	0.0	0.0	0.0	1.2	2.2	2.3	3.8	4.6	7.7	16.7	11.9	29.1	7.0	3.2	3.0	C11
Hypopharynx	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	1.3	4.6	7.7	7.2	17.8	4.2	13.9	2.2	2.0	C12-13
Pharynx unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.0	0.0	0.0	0.3	0.2	C14
Esophagus	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.8	10.8	24.9	14.3	14.8	16.6	20.9	4.2	3.7	C15
Stomach	39	0.0	0.0	0.0	0.0	0.0	1.3	1.2	0.0	1.1	3.8	3.1	7.7	2.4	8.9	54.0	34.8	3.5	3.1	C16
Small intestine	6	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1.9	0.0	0.0	8.3	3.5	0.5	0.5	C17
Colon	84	0.0	0.0	1.1	1.2	0.0	0.0	3.5	4.3	6.8	3.8	7.7	13.4	33.4	29.6	37.4	73.0	7.5	6.7	C18
Rectum	45	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.1	3.4	6.4	6.2	9.6	11.9	23.7	20.8	24.3	4.0	3.6	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	337	0.0	0.0	0.0	0.0	3.1	0.0	11.6	16.3	27.0	52.3	64.7	61.4	93.0	145.3	178.5	135.7	30.2	26.7	C22,C24
Gallbladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.1	0.0	2.4	3.0	4.2	3.5	0.6	0.6	C23
Pancreas	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	3.1	1.9	2.4	5.9	8.3	3.5	1.3	1.2	C25
Nose, sinuses etc.	26	3.6	5.5	2.2	0.0	0.0	2.6	2.3	0.0	2.3	5.1	1.5	1.9	2.4	0.0	8.3	3.5	2.3	2.5	C30-31
Larynx	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.3	3.8	6.2	13.4	2.4	5.9	20.8	10.4	2.7	2.3	C32
Trachea, Bronchus, and lung	261	0.0	0.0	0.0	0.0	1.0	1.3	3.5	2.2	9.0	17.9	20.0	42.2	69.1	142.3	224.1	229.6	23.4	20.9	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.9	0.0	0.0	0.0	0.0	0.2	0.2	C37-38
Bone	3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.2	0.0	0.3	0.3	C40-C41
Melanoma of skin	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	2.4	0.0	12.5	0.0	0.4	0.4	C43
Other skin	33	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	1.1	3.8	4.6	5.8	4.8	23.7	12.5	24.3	3.0	2.6	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	12	0.0	0.0	0.0	2.3	0.0	1.3	0.0	2.2	1.1	1.3	0.0	0.0	7.2	5.9	0.0	0.0	1.1	1.1	C47,C49
Breast	20	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.2	1.1	1.3	4.6	3.8	2.4	11.9	8.3	10.4	1.8	1.6	C50
Penis	15	1.2	1.1	0.0	0.0	0.0	1.3	0.0	0.0	3.4	0.0	3.1	1.9	2.4	8.9	0.0	7.0	1.3	1.3	C60
Prostate	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.9	14.3	20.8	45.7	73.0	4.2	3.7	C61
Testis	9	1.2	0.0	0.0	1.2	1.0	1.3	1.2	2.2	0.0	1.3	0.0	0.0	0.0	0.0	0.0	3.5	0.8	0.8	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C63
Kidney	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.4	3.0	4.2	13.9	0.7	0.6	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	44	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	3.4	2.6	3.1	9.6	7.2	29.6	33.2	34.8	3.9	3.5	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	1	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C69
Brain, nervous system	21	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	3.4	5.1	1.5	3.8	0.0	11.9	12.5	3.5	1.9	1.6	C70-72
Thyroid	14	0.0	0.0	0.0	0.0	0.0	1.3	1.2	2.2	1.1	0.0	1.5	3.8	9.5	3.0	0.0	3.5	1.3	1.1	C73
Adrenal gland	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.0	0.0	0.0	0.2	0.2	C74
Other endocrine	1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C81
Non-Hodgkin lymphoma	33	0.0	0.0	2.2	1.2	0.0	0.0	1.2	1.1	2.3	1.3	6.2	9.6	4.8	17.8	24.9	7.0	3.0	2.7	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.1	0.1	C90
Lymphoid leukemia	9	2.4	0.0	0.0	1.2	2.1	1.3	0.0	1.1	0.0	0.0	0.0	1.9	0.0	0.0	0.0	3.5	0.8	0.9	C91
Myeloid leukemia	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.9	2.4	0.0	0.0	0.0	0.3	0.2	C92-94
Leukemia unspecified	27	3.6	1.1	0.0	0.0	1.0	5.2	2.3	1.1	0.0	1.3	1.5	3.8	2.4	5.9	20.8	10.4	2.4	2.5	C95
Other and unspecified	149	3.6	2.2	1.1	1.2	2.1	6.5	6.9	7.6	13.5	11.5	20.0	19.2	40.5	74.1	66.4	69.6	13.4	12.2	O&U
All sites	**1,520**	**21.9**	**12.1**	**6.6**	**11.6**	**11.4**	**31.1**	**42.8**	**57.6**	**100.2**	**162.2**	**194.1**	**282.0**	**398.1**	**643.3**	**929.7**	**880.0**	**136.2**	**123.0**	

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Table 3.9.2 Lop Buri (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	10	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	10.3	7.6	0.9	0.7	C00
Tongue	16	0.0	0.0	0.0	0.0	0.0	1.2	2.2	2.1	0.0	1.2	1.5	5.2	4.2	5.2	0.0	5.1	1.4	1.1	C01-02
Mouth	39	2.6	1.2	1.1	2.4	1.4	1.2	1.1	1.0	1.1	1.2	5.9	1.7	8.4	15.5	10.3	22.8	3.4	3.1	C03-06
Salivary glands	4	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	5.1	0.4	0.3	C07-08
Tonsil	5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	2.6	0.0	5.1	0.4	0.4	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	17	0.0	1.2	0.0	0.0	0.0	0.0	2.2	1.0	2.1	2.3	4.4	3.4	0.0	0.0	6.9	5.1	1.5	1.2	C11
Hypopharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.4	2.5	0.3	0.2	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C14
Esophagus	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	1.5	5.2	4.2	0.0	10.3	5.1	1.1	0.9	C15
Stomach	28	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	6.4	4.7	1.5	8.6	6.3	0.0	6.9	12.7	2.5	1.9	C16
Small intestine	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	3.4	0.0	0.3	0.2	C17
Colon	76	0.0	0.0	0.0	1.2	0.0	2.5	3.3	1.0	4.2	10.5	10.2	20.6	14.8	20.6	37.9	27.9	6.7	5.3	C18
Rectum	35	0.0	1.2	0.0	0.0	0.0	0.0	1.1	1.0	1.1	0.0	1.5	15.5	12.7	15.5	10.3	15.2	3.1	2.5	C19-20
Anus	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	3.4	2.5	0.3	0.2	C21
Liver and bile duct	127	0.0	0.0	0.0	0.0	0.0	1.2	2.2	3.1	3.2	8.2	27.8	27.5	35.9	30.9	96.6	48.2	11.2	8.8	C22,C24
Gallbladder	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	2.9	5.2	4.2	0.0	10.3	7.6	1.2	0.9	C23
Pancreas	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	3.4	4.2	12.9	3.4	7.6	1.3	1.0	C25
Nose, sinuses etc.	25	4.0	2.3	1.1	0.0	4.1	3.7	2.2	3.1	1.1	0.0	0.0	0.0	2.1	7.7	6.9	2.5	2.2	2.3	C30-31
Larynx	4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.4	0.3	C32
Trachea, Bronchus, and lung	99	0.0	0.0	0.0	0.0	0.0	1.2	4.4	2.1	2.1	9.3	16.1	22.3	25.3	30.9	37.9	58.4	8.7	6.7	C33-34
Other thoracic organs	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	0.0	2.1	2.6	0.0	0.0	0.4	0.3	C37-38
Bone	6	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.0	0.0	1.2	0.0	1.7	0.0	0.0	6.9	0.0	0.5	0.4	C40-C41
Melanoma of skin	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	2.6	3.4	0.0	0.4	0.3	C43
Other skin	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	0.0	3.4	2.1	2.6	6.9	22.8	1.6	1.1	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	12	0.0	0.0	1.1	1.2	1.4	1.2	0.0	0.0	1.1	0.0	2.9	0.0	4.2	5.2	0.0	2.5	1.1	1.0	C47,C49
Breast	341	0.0	0.0	0.0	0.0	1.4	4.9	11.0	38.3	57.2	60.7	102.4	72.2	61.3	38.6	48.3	33.0	30.1	23.8	C50
Vulva	6	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.7	0.0	2.6	3.4	5.1	0.5	0.4	C51
Vagina	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.5	0.0	0.0	0.0	6.9	2.5	0.5	0.4	C52
Cervix uteri	259	0.0	0.0	0.0	1.2	0.0	7.4	6.6	24.8	51.9	45.5	67.3	44.7	40.1	54.1	27.6	35.5	22.8	18.1	C53
Corpus uteri	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.7	10.2	13.8	12.7	5.2	3.4	5.1	3.0	2.4	C54
Uterus unspecified	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.1	0.0	1.5	3.4	0.0	0.0	0.0	0.0	0.4	0.3	C55
Ovary	90	0.0	1.2	0.0	2.4	2.7	3.7	7.7	2.1	9.5	5.8	26.3	22.3	10.6	15.5	31.0	20.3	7.9	6.5	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	2	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C58
Kidney	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.7	0.0	0.0	0.0	2.5	0.3	0.2	C64
Renal pelvis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.2	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.6	2.6	17.2	2.5	1.2	1.0	C67
Other urinary organs	2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	C68
Eye	3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.5	0.3	0.3	C69
Brain, nervous system	25	1.3	0.0	0.0	0.0	2.7	1.2	1.1	3.1	1.1	3.5	2.9	5.2	4.2	5.2	0.0	10.2	2.2	1.9	C70-72
Thyroid	31	0.0	0.0	0.0	1.2	1.4	2.5	3.3	3.1	6.4	4.7	5.9	3.4	0.0	5.2	3.4	5.1	2.7	2.2	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	1	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	25	0.0	0.0	0.0	0.0	1.4	3.7	2.2	1.0	2.1	1.2	1.5	1.7	6.3	10.3	6.9	10.2	2.2	1.8	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	9	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.1	1.2	0.0	0.0	8.4	2.6	3.4	0.0	0.8	0.7	C90
Lymphoid leukemia	4	0.0	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.4	0.4	C91
Myeloid leukemia	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	1.2	1.5	1.7	0.0	0.0	0.0	2.5	0.6	0.5	C92-94
Leukemia unspecified	25	4.0	2.3	2.3	3.7	0.0	0.0	2.2	1.0	3.2	0.0	0.0	1.7	2.1	0.0	10.3	10.2	2.2	2.2	C95
Other and unspecified	105	1.3	4.7	1.1	1.2	2.7	2.5	4.4	7.2	10.6	9.3	13.2	15.5	23.2	28.3	31.0	40.6	9.3	7.6	O&U
All sites	**1,581**	**19.8**	**17.6**	**9.2**	**14.6**	**20.5**	**40.6**	**61.5**	**101.4**	**180.2**	**186.6**	**311.6**	**319.8**	**314.7**	**340.0**	**472.5**	**461.9**	**139.5**	**112.8**	

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Table 3.9.3 Annual incidence, Lop Buri, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	2	0.1	0.2	0.2	0.0	0.0	10	0.6	0.9	0.7	0.0	0.1
C01-02	Tongue	30	2.0	2.7	2.4	0.2	0.3	16	1.0	1.4	1.1	0.1	0.1
C03-06	Mouth	46	3.0	4.1	3.8	0.2	0.5	39	2.5	3.4	3.1	0.2	0.3
C07-08	Salivary glands	3	0.2	0.3	0.2	0.0	0.0	4	0.3	0.4	0.3	0.0	0.0
C09	Tonsil	16	1.1	1.4	1.4	0.1	0.1	5	0.3	0.4	0.4	0.0	0.0
C10	Other oropharynx	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	36	2.4	3.2	3.0	0.2	0.4	17	1.1	1.5	1.2	0.1	0.1
C12-13	Hypopharynx	25	1.6	2.2	2.0	0.1	0.2	3	0.2	0.3	0.2	0.0	0.0
C14	Pharynx unspecified	3	0.2	0.3	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C15	Esophagus	47	3.1	4.2	3.7	0.3	0.4	13	0.8	1.1	0.9	0.1	0.1
C16	Stomach	39	2.6	3.5	3.1	0.1	0.4	28	1.8	2.5	1.9	0.1	0.2
C17	Small intestine	6	0.4	0.5	0.5	0.0	0.1	3	0.2	0.3	0.2	0.0	0.0
C18	Colon	84	5.5	7.5	6.7	0.4	0.7	76	4.8	6.7	5.3	0.3	0.6
C19-20	Rectum	45	3.0	4.0	3.6	0.2	0.4	35	2.2	3.1	2.5	0.2	0.3
C21	Anus	1	0.1	0.1	0.1	0.0	0.0	3	0.2	0.3	0.2	0.0	0.0
C22,C24	Liver and bile duct	337	22.2	30.2	26.7	1.6	3.3	127	8.0	11.2	8.8	0.5	1.2
C23	Gallbladder	7	0.5	0.6	0.6	0.0	0.1	14	0.9	1.2	0.9	0.1	0.1
C25	Pancreas	15	1.0	1.3	1.2	0.1	0.1	15	0.9	1.3	1.0	0.0	0.1
C30-31	Nose, sinuses etc.	26	1.7	2.3	2.5	0.1	0.2	25	1.6	2.2	2.3	0.1	0.2
C32	Larynx	30	2.0	2.7	2.3	0.2	0.3	4	0.3	0.4	0.3	0.0	0.0
C33-34	Trachea, Bronchus, and lung	261	17.2	23.4	20.9	0.8	2.7	99	6.3	8.7	6.7	0.4	0.8
C37-38	Other thoracic organs	2	0.1	0.2	0.2	0.0	0.0	4	0.3	0.4	0.3	0.0	0.0
C40-C41	Bone	3	0.2	0.3	0.3	0.0	0.0	6	0.4	0.5	0.4	0.0	0.1
C43	Melanoma of skin	5	0.3	0.4	0.4	0.0	0.1	4	0.3	0.4	0.3	0.0	0.0
C44	Other skin	33	2.2	3.0	2.6	0.1	0.3	18	1.1	1.6	1.1	0.0	0.1
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	12	0.8	1.1	1.1	0.1	0.1	12	0.8	1.1	1.0	0.1	0.1
C50	Breast	20	1.3	1.8	1.6	0.1	0.2	341	21.6	30.1	23.8	2.0	2.5
C51	Vulva							6	0.4	0.5	0.4	0.0	0.0
C52	Vagina							6	0.4	0.5	0.4	0.0	0.1
C53	Cervix uteri							259	16.4	22.8	18.1	1.4	1.9
C54	Corpus uteri							34	2.2	3.0	2.4	0.2	0.3
C55	Uterus unspecified							5	0.3	0.4	0.3	0.0	0.0
C56	Ovary							90	5.7	7.9	6.5	0.5	0.7
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							2	0.1	0.2	0.2	0.0	0.0
C60	Penis	15	1.0	1.3	1.3	0.1	0.1						
C61	Prostate	47	3.1	4.2	3.7	0.1	0.4						
C62	Testis	9	0.6	0.8	0.8	0.0	0.0						
C63	Other male genital organs	1	0.1	0.1	0.1	0.0	0.0						
C64	Kidney	8	0.5	0.7	0.6	0.0	0.1	3	0.2	0.3	0.2	0.0	0.0
C65	Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	2	0.1	0.2	0.1	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	44	2.9	3.9	3.5	0.1	0.4	14	0.9	1.2	1.0	0.1	0.2
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C69	Eye	1	0.1	0.1	0.1	0.0	0.0	3	0.2	0.3	0.3	0.0	0.0
C70-72	Brain, nervous system	21	1.4	1.9	1.6	0.1	0.2	25	1.6	2.2	1.9	0.1	0.2
C73	Thyroid	14	0.9	1.3	1.1	0.1	0.1	31	2.0	2.7	2.2	0.2	0.2
C74	Adrenal gland	2	0.1	0.2	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C75	Other endocrine	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	33	2.2	3.0	2.7	0.1	0.4	25	1.6	2.2	1.8	0.1	0.2
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	1	0.1	0.1	0.1	0.0	0.0	9	0.6	0.8	0.7	0.1	0.1
C91	Lymphoid leukemia	9	0.6	0.8	0.9	0.0	0.0	4	0.3	0.4	0.4	0.0	0.0
C92-94	Myeloid leukemia	3	0.2	0.3	0.2	0.0	0.0	7	0.4	0.6	0.5	0.0	0.0
C95	Leukemia unspecified	27	1.8	2.4	2.5	0.1	0.3	25	1.6	2.2	2.2	0.1	0.2
O&U	Other and unspecified	149	9.8	13.4	12.2	0.7	1.4	105	6.6	9.3	7.6	0.5	0.8
	All sites	**1520**	**100.0**	**136.2**	**123.0**	**6.7**	**14.5**	**1581**	**100.0**	**139.5**	**112.8**	**8.0**	**12.1**

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Table 3.9.4 Percentage of morphologically verified and death certificate only cases, Lop Buri, 2004-2006

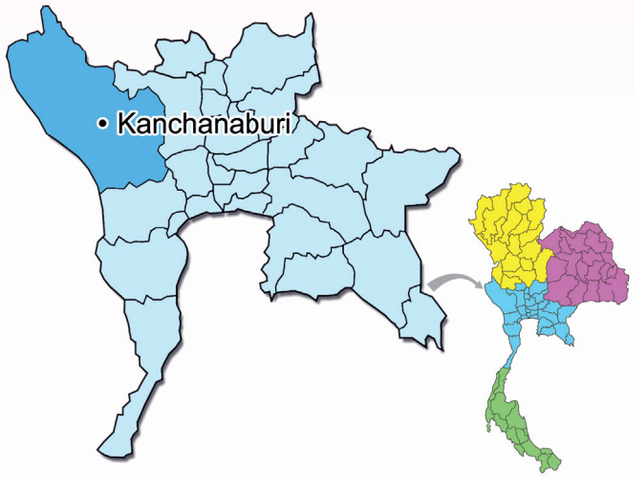
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	81	74.1	2.5	69	69.6	1.4
C09-C10,C14	Oropharynx, etc.	20	80.0	0.0	6	66.7	0.0
C11	Nasopharynx	36	80.6	2.8	17	76.5	5.9
C12-C13	Hypopharynx	25	92.0	0.0	3	100.0	0.0
C15	Esophagus	47	72.3	12.8	13	69.2	0.0
C16	Stomach	39	53.8	35.9	28	71.4	14.3
C17	Small intestine	6	50.0	33.3	3	66.7	33.3
C18-C21	Colon and rectum	130	61.5	10.0	114	65.8	8.8
C22,C24	Liver and bile duct	337	20.5	41.2	127	17.3	44.9
C23	Gallbladder	7	14.3	42.9	14	35.7	42.9
C25	Pancreas	15	20.0	60.0	15	20.0	33.3
C30-C31	Nose, sinuses etc.	26	23.1	0.0	25	12.0	0.0
C32	Larynx	30	66.7	0.0	4	25.0	0.0
C33-C34	Trachea, bronchus and lung	261	47.5	32.6	99	42.4	33.3
C37-C38	Other thoracic organs	2	100.0	0.0	4	25.0	0.0
C40-C41	Bone	3	33.3	66.7	6	16.7	33.3
C43	Melanoma of skin	5	100.0	0.0	4	100.0	0.0
C44	Other skin	33	97.0	3.0	18	88.9	5.6
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	12	75.0	16.7	12	50.0	8.3
C50	Breast	20	15.0	0.0	341	79.5	3.2
C51	Vulva				6	83.3	0.0
C52	Vagina				6	50.0	33.3
C53	Cervix uteri				259	88.0	3.1
C54	Corpus uteri				34	94.1	0.0
C55	Uterus unspecified				5	40.0	40.0
C56	Ovary				90	70.0	5.6
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				2	100.0	0.0
C60	Penis	15	33.3	0.0			
C61	Prostate	47	55.3	21.3			
C62	Testis	9	88.9	0.0			
C63	Other male genital organs	1	0.0	100.0			
C64	Kidney	8	62.5	25.0	3	66.7	33.3
C65	Renal pelvis	0	-	-	2	0.0	0.0
C66	Ureter	0	-	-	0	-	-
C67	Bladder	44	56.8	11.4	14	42.9	0.0
C68	Other urinary organs	0	-	-	2	0.0	0.0
C69	Eye	1	100.0	0.0	3	0.0	33.3
C70-C72	Brain, nervous system	21	47.6	38.1	25	48.0	44.0
C73	Thyroid	14	57.1	0.0	31	58.1	6.5
C74	Adrenal gland	2	50.0	0.0	1	100.0	0.0
C75	Other endocrine	1	100.0	0.0	0	-	-
C81	Hodgkin's disease	0	-	-	1	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	33	100.0	0.0	25	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	1	100.0	0.0	9	100.0	0.0
C91-C95	Leukemia	39	69.2	30.8	36	69.4	30.6
O&U	Other and unspecified	149	14.8	60.4	105	14.3	45.7
	All sties	**1520**	**47.0**	**26.8**	**1581**	**63.1**	**14.2**

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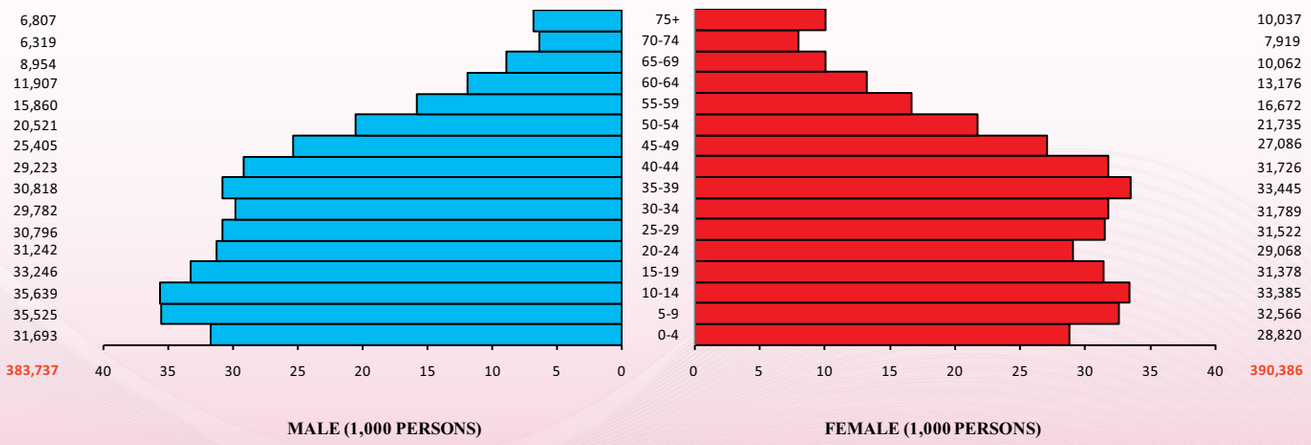
Kanchanaburi Cancer Registry

Registration area

Kanchanaburi is the largest of the western provinces of Thailand. Neighboring provinces are Tak, Uthai Thani, Suphan Buri, Nakhon Nayok and Ratchaburi. In the west it borders Kayin State Mon State and Tanintharyi Region of Myanmar. The province is situated 129 kilometers from Bangkok and covers a total area of approximately 19,483 km² at a latitude 14 : 00 N and longitude 99 : 32 E.. Topographically, it is covered with timber and evergreen forests. The estimated population in the year 2005 was 774,123.



Population pyramid, Kanchanaburi, 2005



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Cancer care facilities

Kanchanaburi Cancer Registry in under the supervision of the National Cancer Institute. At the primary health care level, there are no facilities for specialized cancer diagnosis and treatment. Cancer surgery services are provided at Kanchanaburi general provincial hospital and private hospitals. The cancer patients are referred for chemotherapy and radiotherapy to Ratchaburi hospitals and other hospitals in Bangkok.

Registry procedures

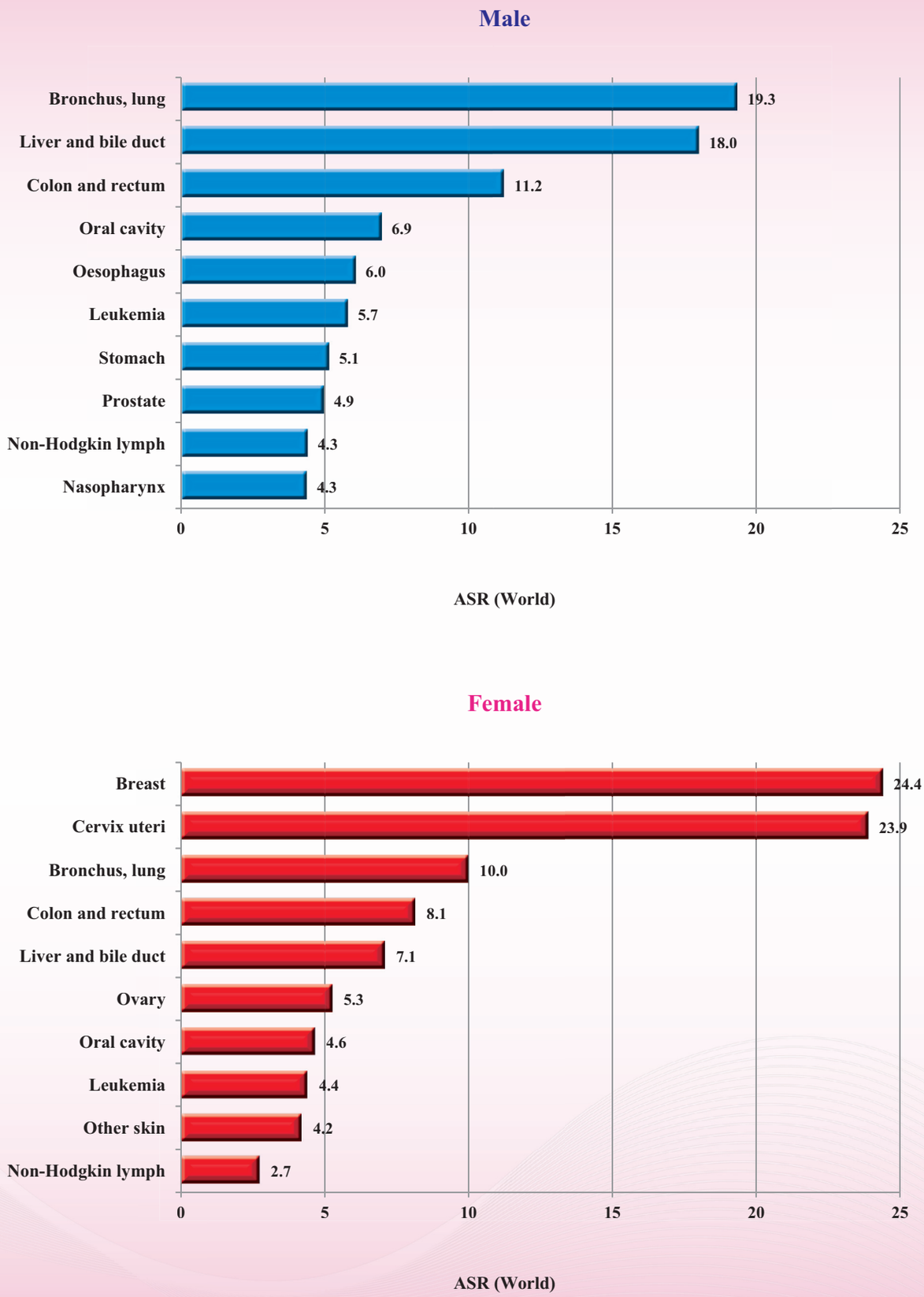
The population-based cancer registry Kanchanaburi province was set up at the National Cancer Institute, Bangkok in 2000. The information comes from all hospitals in Kanchanaburi province and Bangkok cancer registry. Cancer cases are collected from the medical records departments, outpatient clinics, pathology laboratories, clinical laboratories and death certificates. All data are checked for duplication, verified, coded and keyed into the Thai Cancer Base Programme and IARC/IACR Cancer Registry tools programme.

Summary of Results

New cases registered in 2004-2006, 1,380 were males and 1,597 were females, making 2,977 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 130.4 per 100,000, lung cancer ranking first (ASR = 19.3) followed by liver and bile duct (ASR = 18.0) and colon and rectum (ASR = 11.2). The ASR of all cancers in females was 126.4, the three leading sites being breast (ASR = 24.4), cervix (ASR = 23.9) and lung (ASR = 10.0).

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Figure 3.9 Leading cancer in Kanchanaburi, 2004-2006



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Table 3.10.1 Kanchanaburi (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	4.9	0.2	0.2	C00
Tongue	35	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	3.9	8.1	6.3	5.6	33.5	21.1	24.5	3.0	3.3	C01-02
Mouth	29	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	2.3	3.9	1.6	6.3	8.4	18.6	21.1	29.4	2.5	2.8	C03-06
Salivary glands	7	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	2.3	1.3	0.0	0.0	0.0	7.4	0.0	4.9	0.6	0.6	C07-08
Tonsil	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.9	3.2	8.4	2.8	3.7	0.0	9.8	1.4	1.4	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C10
Nasopharynx	48	0.0	0.0	0.0	0.0	1.1	0.0	2.2	3.2	3.4	7.9	11.4	10.5	19.6	11.2	26.4	29.4	4.2	4.3	C11
Hypopharynx	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	4.9	6.3	2.8	7.4	21.1	14.7	1.5	1.6	C12-13
Pharynx unspecified	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.2	0.2	C14
Esophagus	62	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	0.0	5.2	13.0	12.6	30.8	26.1	63.3	49.0	5.4	6.0	C15
Stomach	52	0.0	0.0	0.0	0.0	0.0	2.2	1.1	1.1	1.1	3.9	1.6	16.8	22.4	26.1	63.3	39.2	4.5	5.1	C16
Small intestine	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.3	0.0	0.0	2.8	0.0	0.0	0.0	0.3	0.3	C17
Colon	79	0.0	0.0	0.9	0.0	0.0	1.1	0.0	1.1	6.8	10.5	14.6	23.1	22.4	29.8	52.8	78.4	6.9	7.3	C18
Rectum	39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	3.9	9.7	12.6	8.4	22.3	26.4	39.2	3.4	3.7	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.6	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C21
Liver and bile duct	197	0.0	0.0	0.0	1.0	0.0	3.2	5.6	11.9	11.4	24.9	42.2	75.7	67.2	89.3	100.2	93.0	17.1	18.0	C22,C24
Gallbladder	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	6.3	0.0	0.0	5.3	4.9	0.5	0.5	C23
Pancreas	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0	1.6	10.5	8.4	11.2	26.4	29.4	2.2	2.4	C25
Nose, sinuses etc.	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.6	2.1	0.0	3.7	10.6	0.0	0.5	0.6	C30-31
Larynx	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	18.9	22.4	18.6	10.6	29.4	2.8	3.2	C32
Trachea, Bronchus, and lung	198	0.0	0.0	0.0	1.0	1.1	0.0	2.2	4.3	10.3	15.7	26.0	37.8	75.6	137.7	163.5	195.9	17.2	19.3	C33-34
Other thoracic organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.3	0.0	0.0	2.8	0.0	0.0	0.0	0.3	0.3	C37-38
Bone	12	0.0	0.0	0.9	2.0	1.1	0.0	0.0	1.1	0.0	1.3	0.0	0.0	5.6	3.7	10.6	4.9	1.0	1.1	C40-C41
Melanoma of skin	5	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	5.3	9.8	0.4	0.5	C43
Other skin	42	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	3.4	2.6	9.7	8.4	11.2	18.6	15.8	63.7	3.6	3.9	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.2	0.0	2.8	3.7	5.3	4.9	0.7	0.8	C47,C49
Breast	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	9.8	0.3	0.4	C50
Penis	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.7	12.6	0.0	0.0	15.8	19.6	1.8	1.9	C60
Prostate	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.9	4.9	2.1	19.6	52.1	47.5	49.0	4.2	4.9	C61
Testis	8	1.1	0.0	0.0	2.0	1.1	0.0	0.0	1.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	13	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	2.8	11.2	5.3	19.6	1.1	1.4	C64
Renal pelvis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.7	0.0	0.0	0.2	0.2	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.3	16.8	11.2	26.4	24.5	2.1	2.4	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.1	0.1	C68
Eye	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	9.8	0.3	0.3	C69
Brain, nervous system	37	1.1	3.8	0.0	2.0	0.0	3.2	0.0	1.1	4.6	5.2	3.2	6.3	5.6	26.1	10.6	9.8	3.2	3.4	C70-72
Thyroid	19	0.0	0.0	0.0	1.0	0.0	0.0	0.0	5.4	1.1	2.6	1.6	6.3	2.8	14.9	0.0	4.9	1.7	1.6	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C81
Non-Hodgkin lymphoma	46	0.0	0.0	0.9	1.0	1.1	1.1	5.6	2.2	0.0	3.9	3.2	6.3	16.8	33.5	21.1	39.2	4.0	4.3	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.2	0.2	C90
Lymphoid leukemia	48	1.1	4.7	4.7	3.0	1.1	0.0	3.4	4.3	1.1	1.3	8.1	4.2	19.6	11.2	21.1	14.7	4.2	4.4	C91
Myeloid leukemia	14	0.0	0.0	0.0	1.0	1.1	2.2	0.0	1.1	1.1	0.0	3.2	0.0	2.8	7.4	0.0	14.7	1.2	1.3	C92-94
Leukemia unspecified	1	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C95
Other and unspecified	161	0.0	0.9	0.0	0.0	3.2	1.1	3.4	6.5	12.5	17.1	19.5	33.6	72.8	81.9	147.7	93.0	14.0	15.3	O&U
All sites	**1,380**	**5.3**	**10.3**	**8.4**	**14.0**	**12.8**	**17.3**	**26.9**	**54.1**	**77.6**	**133.8**	**214.4**	**346.8**	**481.5**	**744.6**	**954.9**	**1072.4**	**119.9**	**130.4**	

Cancer in thailand.indd 130 6/11/2555 9:24:49

Cancer in thailand.indd 131

Table 3.10.2 Kanchanaburi (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	14	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.0	0.0	1.2	0.0	0.0	0.0	6.6	12.6	19.9	1.2	1.1	C00
Tongue	24	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.0	3.2	0.0	9.2	8.0	7.6	6.6	4.2	10.0	2.0	1.9	C01-02
Mouth	20	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	1.2	1.5	4.0	10.1	9.9	4.2	16.6	1.7	1.6	C03-06
Salivary glands	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C07-08
Tonsil	5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.5	2.0	0.0	0.0	4.2	3.3	0.4	0.4	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.2	1.2	1.5	4.0	0.0	3.3	0.0	0.0	0.9	0.7	C11
Hypopharynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.6	4.2	0.0	0.3	0.4	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.5	4.6	4.0	17.7	9.9	12.6	6.6	2.3	2.2	C15
Stomach	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	7.4	4.6	6.0	2.5	13.3	16.8	0.0	2.1	2.0	C16
Small intestine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.2	0.0	0.2	0.2	C17
Colon	67	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.0	7.4	9.8	10.7	24.0	15.2	29.8	25.3	19.9	5.7	5.3	C18
Rectum	35	0.0	0.0	0.0	0.0	0.0	1.1	1.0	2.0	1.1	6.2	1.5	6.0	10.1	13.3	16.8	29.9	3.0	2.8	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.2	4.9	16.9	24.0	22.8	59.6	71.6	26.6	7.2	7.1	C22,C24
Gallbladder	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.5	1.5	2.0	0.0	3.3	4.2	10.0	0.9	0.7	C23
Pancreas	22	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	3.1	0.0	12.6	13.3	16.8	16.6	1.9	1.8	C25
Nose, sinuses etc.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.1	0.1	C30-31
Larynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	0.0	1.5	0.0	0.0	0.0	4.2	3.3	0.5	0.4	C32
Trachea, Bronchus, and lung	122	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.0	6.3	14.8	19.9	38.0	35.4	69.6	58.9	66.4	10.4	10.0	C33-34
Other thoracic organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.5	0.0	0.0	3.3	0.3	0.2	C37-38
Bone	11	0.0	2.0	2.0	0.0	2.3	0.0	0.0	0.0	0.0	1.2	0.0	0.0	2.5	0.0	4.2	6.6	0.9	1.0	C40-C41
Melanoma of skin	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	5.1	0.0	4.2	6.6	0.6	0.6	C43
Other skin	52	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.0	1.1	4.9	10.7	4.0	12.6	33.1	21.0	53.1	4.4	4.2	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	18	1.2	1.0	0.0	0.0	2.3	0.0	1.0	0.0	3.2	0.0	3.1	4.0	7.6	3.3	0.0	6.6	1.5	1.5	C47,C49
Breast	319	1.2	0.0	0.0	0.0	1.1	4.2	14.7	28.9	42.0	51.7	78.2	94.0	68.3	76.2	50.5	93.0	27.2	24.4	C50
Vulva	6	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.2	10.0	0.5	0.4	C51
Vagina	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	2.0	2.5	6.6	12.6	6.6	0.9	0.8	C52
Cervix uteri	310	2.3	0.0	0.0	1.1	0.0	2.1	7.3	23.9	30.5	77.5	55.2	72.0	70.8	76.2	67.3	142.8	26.5	23.9	C53
Corpus uteri	30	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.0	6.3	2.5	10.7	16.0	0.0	0.0	4.2	3.3	2.6	2.2	C54
Uterus unspecified	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.5	2.0	0.0	0.0	0.0	3.3	0.6	0.5	C55
Ovary	66	0.0	0.0	1.0	0.0	2.3	4.2	5.2	5.0	3.2	7.4	16.9	12.0	17.7	26.5	8.4	19.9	5.6	5.3	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C58
Kidney	8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.1	0.0	0.0	3.3	4.2	6.6	0.7	0.7	C64
Renal pelvis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.3	0.2	0.2	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	1.5	0.0	2.5	6.6	4.2	3.3	0.7	0.7	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	C69
Brain, nervous system	30	2.3	1.0	3.0	1.1	0.0	0.0	3.1	1.0	2.1	0.0	4.6	4.0	0.0	9.9	12.6	19.9	2.6	2.5	C70-72
Thyroid	29	0.0	1.0	0.0	1.1	3.4	1.1	5.2	3.0	2.1	3.7	3.1	6.0	5.1	3.3	4.2	3.3	2.5	2.2	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.1	0.1	C75
Hodgkin disease	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.2	0.0	2.0	0.0	0.0	0.0	0.0	0.3	0.2	C81
Non-Hodgkin lymphoma	33	0.0	1.0	0.0	1.1	5.7	1.1	1.0	2.0	1.1	4.9	10.7	4.0	7.6	6.6	8.4	3.3	2.8	2.7	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	0.0	0.0	0.0	4.2	0.0	0.3	0.2	C90
Lymphoid leukemia	38	1.2	3.1	4.0	4.2	0.0	1.1	4.2	3.0	2.1	2.5	1.5	6.0	2.5	13.3	8.4	10.0	3.2	3.2	C91
Myeloid leukemia	13	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.2	4.6	0.0	7.6	6.6	12.6	0.0	1.1	1.1	C92-94
Leukemia unspecified	1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C95
Other and unspecified	107	1.2	0.0	1.0	0.0	1.1	3.2	4.2	6.0	6.3	7.4	24.5	30.0	32.9	33.1	50.5	43.2	9.1	8.6	O&U
All sites	**1,597**	**12.7**	**10.2**	**11.0**	**8.5**	**18.3**	**21.1**	**59.8**	**93.7**	**140.8**	**227.7**	**312.9**	**381.9**	**384.5**	**556.6**	**551.4**	**680.8**	**136.4**	**126.4**	

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Table 3.10.3 Annual incidence, Kanchanaburi, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	2	0.1	0.2	0.2	0.0	0.0	14	0.9	1.2	1.1	0.0	0.1
C01-02	Tongue	35	2.5	3.0	3.3	0.1	0.4	24	1.5	2.0	1.9	0.1	0.2
C03-06	Mouth	29	2.1	2.5	2.8	0.1	0.3	20	1.3	1.7	1.6	0.1	0.2
C07-08	Salivary glands	7	0.5	0.6	0.6	0.0	0.1	1	0.1	0.1	0.1	0.0	0.0
C09	Tonsil	16	1.2	1.4	1.4	0.1	0.1	5	0.3	0.4	0.4	0.0	0.0
C10	Other oropharynx	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	48	3.5	4.2	4.3	0.3	0.5	10	0.6	0.9	0.7	0.1	0.1
C12-13	Hypopharynx	17	1.2	1.5	1.6	0.1	0.2	4	0.3	0.3	0.4	0.0	0.1
C14	Pharynx unspecified	2	0.1	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	62	4.5	5.4	6.0	0.3	0.8	27	1.7	2.3	2.2	0.2	0.3
C16	Stomach	52	3.8	4.5	5.1	0.3	0.7	25	1.6	2.1	2.0	0.1	0.3
C17	Small intestine	3	0.2	0.3	0.3	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C18	Colon	79	5.7	6.9	7.3	0.4	0.8	67	4.2	5.7	5.3	0.4	0.6
C19-20	Rectum	39	2.8	3.4	3.7	0.2	0.4	35	2.2	3.0	2.8	0.1	0.3
C21	Anus	2	0.1	0.2	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	197	14.3	17.1	18.0	1.2	2.2	84	5.3	7.2	7.1	0.4	1.0
C23	Gallbladder	6	0.4	0.5	0.5	0.0	0.1	10	0.6	0.9	0.7	0.0	0.1
C25	Pancreas	25	1.8	2.2	2.4	0.1	0.3	22	1.4	1.9	1.8	0.1	0.2
C30-31	Nose, sinuses etc.	6	0.4	0.5	0.6	0.0	0.1	1	0.1	0.1	0.1	0.0	0.0
C32	Larynx	32	2.3	2.8	3.2	0.2	0.4	6	0.4	0.5	0.4	0.0	0.0
C33-34	Trachea, Bronchus, and lung	198	14.3	17.2	19.3	0.9	2.4	122	7.6	10.4	10.0	0.6	1.2
C37-38	Other thoracic organs	3	0.2	0.3	0.3	0.0	0.0	3	0.2	0.3	0.2	0.0	0.0
C40-C41	Bone	12	0.9	1.0	1.1	0.1	0.1	11	0.7	0.9	1.0	0.1	0.1
C43	Melanoma of skin	5	0.4	0.4	0.5	0.0	0.0	7	0.4	0.6	0.6	0.0	0.1
C44	Other skin	42	3.0	3.6	3.9	0.2	0.4	52	3.3	4.4	4.2	0.2	0.4
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	8	0.6	0.7	0.8	0.0	0.1	18	1.1	1.5	1.5	0.1	0.1
C50	Breast	4	0.3	0.3	0.4	0.0	0.0	319	20.0	27.2	24.4	1.9	2.6
C51	Vulva							6	0.4	0.5	0.4	0.0	0.0
C52	Vagina							10	0.6	0.9	0.8	0.0	0.1
C53	Cervix uteri							310	19.4	26.5	23.9	1.7	2.4
C54	Corpus uteri							30	1.9	2.6	2.2	0.2	0.2
C55	Uterus unspecified							7	0.4	0.6	0.5	0.0	0.0
C56	Ovary							66	4.1	5.6	5.3	0.4	0.5
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							0	0.0	0.0	0.0	0.0	0.0
C60	Penis	21	1.5	1.8	1.9	0.1	0.2						
C61	Prostate	48	3.5	4.2	4.9	0.2	0.7						
C62	Testis	8	0.6	0.7	0.7	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	13	0.9	1.1	1.4	0.0	0.1	8	0.5	0.7	0.7	0.0	0.1
C65	Renal pelvis	2	0.1	0.2	0.2	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	24	1.7	2.1	2.4	0.1	0.3	8	0.5	0.7	0.7	0.0	0.1
C68	Other urinary organs	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	3	0.2	0.3	0.3	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C70-72	Brain, nervous system	37	2.7	3.2	3.4	0.2	0.4	30	1.9	2.6	2.5	0.1	0.2
C73	Thyroid	19	1.4	1.7	1.6	0.1	0.2	29	1.8	2.5	2.2	0.2	0.2
C74	Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C81	Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	3	0.2	0.3	0.2	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	46	3.3	4.0	4.3	0.2	0.5	33	2.1	2.8	2.7	0.2	0.3
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	2	0.1	0.2	0.2	0.0	0.1	3	0.2	0.3	0.2	0.0	0.0
C91	Lymphoid leukemia	48	3.5	4.2	4.4	0.3	0.4	38	2.4	3.2	3.2	0.2	0.3
C92-94	Myeloid leukemia	14	1.0	1.2	1.3	0.1	0.1	13	0.8	1.1	1.1	0.1	0.2
C95	Leukemia unspecified	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
O&U	Other and unspecified	161	11.7	14.0	15.3	0.9	2.0	107	6.7	9.1	8.6	0.6	1.0
	All sites	**1380**	**100.0**	**119.9**	**130.4**	**7.0**	**15.5**	**1597**	**100.0**	**136.4**	**126.4**	**8.4**	**14.0**

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Table 3.10.4 Percentage of morphologically verified and death certificate only cases, Kanchanaburi, 2004-2006

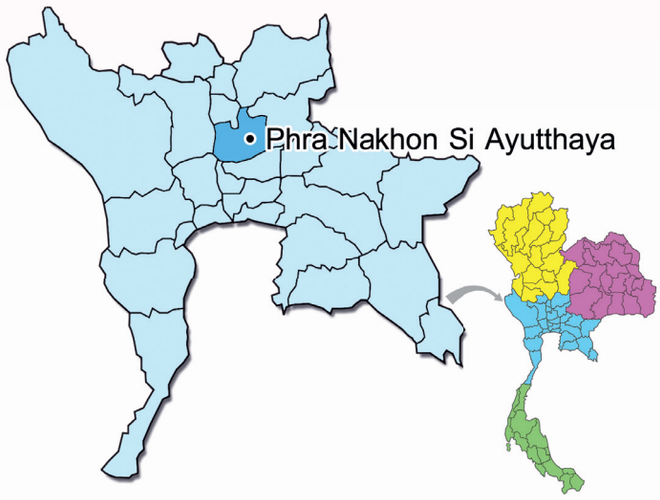
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	73	72.6	5.5	59	72.9	3.4
C09-C10,C14	Oropharynx, etc.	19	68.4	10.5	5	80.0	20.0
C11	Nasopharynx	48	70.8	2.1	10	70.0	0.0
C12-C13	Hypopharynx	17	82.4	0.0	4	75.0	0.0
C15	Esophagus	62	66.1	4.8	27	88.9	0.0
C16	Stomach	52	71.2	9.6	25	60.0	4.0
C17	Small intestine	3	66.7	33.3	2	50.0	50.0
C18-C21	Colon and rectum	120	76.7	4.2	103	78.6	1.9
C22,C24	Liver and bile duct	197	22.8	6.1	84	17.9	6.0
C23	Gallbladder	6	0.0	66.7	10	30.0	60.0
C25	Pancreas	25	56.0	8.0	22	27.3	18.2
C30-C31	Nose, sinuses etc.	6	100.0	0.0	1	0.0	0.0
C32	Larynx	32	40.6	15.6	6	16.7	0.0
C33-C34	Trachea, bronchus and lung	198	27.8	4.5	122	26.2	0.8
C37-C38	Other thoracic organs	3	100.0	0.0	3	66.7	33.3
C40-C41	Bone	12	33.3	50.0	11	63.6	27.3
C43	Melanoma of skin	5	100.0	0.0	7	100.0	0.0
C44	Other skin	42	88.1	4.8	52	88.5	7.7
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	8	100.0	0.0	18	88.9	0.0
C50	Breast	4	100.0	0.0	319	85.0	1.6
C51	Vulva				6	83.3	0.0
C52	Vagina				10	70.0	20.0
C53	Cervix uteri				310	76.5	2.6
C54	Corpus uteri				30	86.7	0.0
C55	Uterus unspecified				7	28.6	71.4
C56	Ovary				66	63.6	12.1
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				0	-	-
C60	Penis	21	81.0	4.8			
C61	Prostate	48	50.0	4.2			
C62	Testis	8	37.5	37.5			
C63	Other male genital organs	0	-	-			
C64	Kidney	13	61.5	23.1	8	37.5	12.5
C65	Renal pelvis	2	100.0	0.0	2	50.0	0.0
C66	Ureter	0	-	-	0	-	-
C67	Bladder	24	66.7	8.3	8	50.0	12.5
C68	Other urinary organs	1	100.0	0.0	0	-	-
C69	Eye	3	100.0	0.0	2	100.0	0.0
C70-C72	Brain, nervous system	37	70.3	18.9	30	60.0	16.7
C73	Thyroid	19	78.9	0.0	29	79.3	0.0
C74	Adrenal gland	0	-	-	0	-	-
C75	Other endocrine	0	-	-	1	100.0	0.0
C81	Hodgkin's disease	0	-	-	3	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	46	100.0	0.0	33	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	2	100.0	0.0	3	100.0	0.0
C91-C95	Leukemia	63	100.0	0.0	52	100.0	0.0
O&U	Other and unspecified	161	34.8	11.2	107	21.5	15.0
	All sites	**1380**	**55.2**	**7.0**	**1597**	**66.9**	**5.1**

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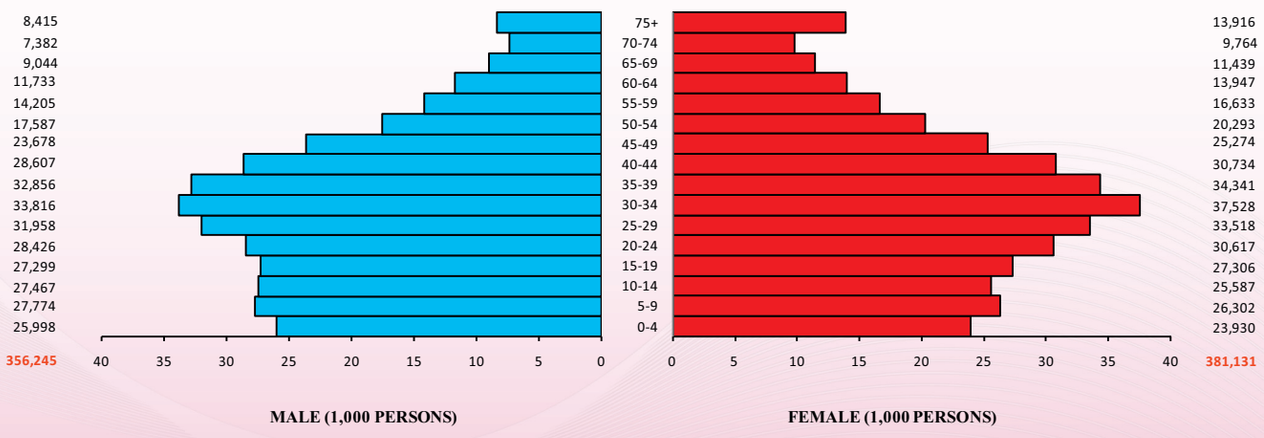
Phra Nakhon Si Ayutthaya Cancer Registry

Registration area

Phra Nakhon Si Ayutthaya is located in the middle of Thailand, approximately 260 kilometers from Bangkok. The province covers a total area of approximately 2,556 km² at a latitude 14 : 22 N and longitude 100 : 34 E and is located in the flat river plain of the Chao Phraya river valley. The presence of the Lop Buri and Pa Sak rivers makes the province a major rice farming area.



Population pyramid, Phra Nakhon Si Ayutthaya, 2005



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Cancer care facilities

Phra Nakhon Si Ayutthaya Cancer Registry in under the supervision of the National Cancer Institute. At the primary health care level, there are no facilities for specialized cancer diagnosis and treatment. Phra Nakhon Si Ayutthaya provincial hospital is a general hospital, there are no facilities for chemotherapy and radiotherapy. Cancer surgery services are provided at Phra Nakhon Si Ayutthaya provincial hospital and private hospitals. The cancer patients are referred for chemotherapy and radiotherapy to Lop Buri cancer center and hospitals in Bangkok.

Registry procedures

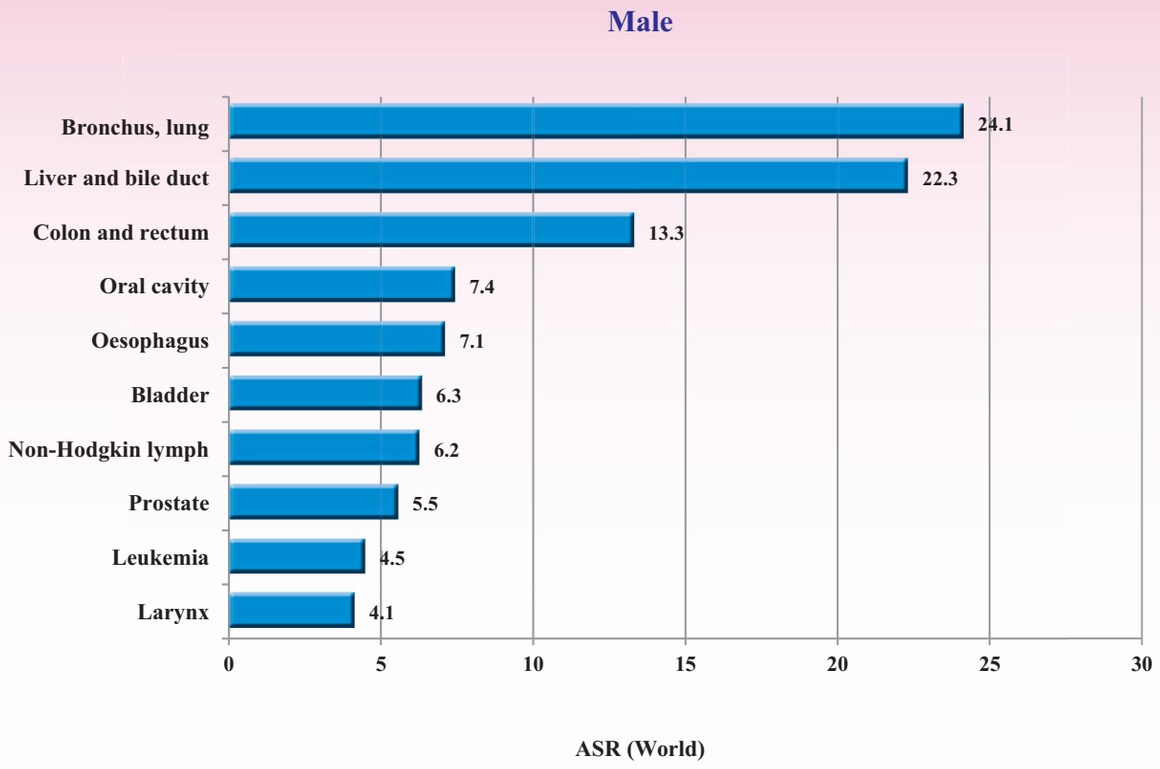
The population-based cancer registry Phra Nakhon Si Ayutthaya province was set up at the National Cancer Institute, Bangkok in 2000. The information comes from all hospitals in Phra Nakhon Si Ayutthaya province and Bangkok cancer registry. Cancer cases are collected from the medical records departments, outpatient clinics, pathology laboratories, clinical laboratories and death certificates. All data are checked for duplication, verified, coded and keyed into the Thai Cancer Base Programme and IARC/IACR Cancer Registry tools programme.

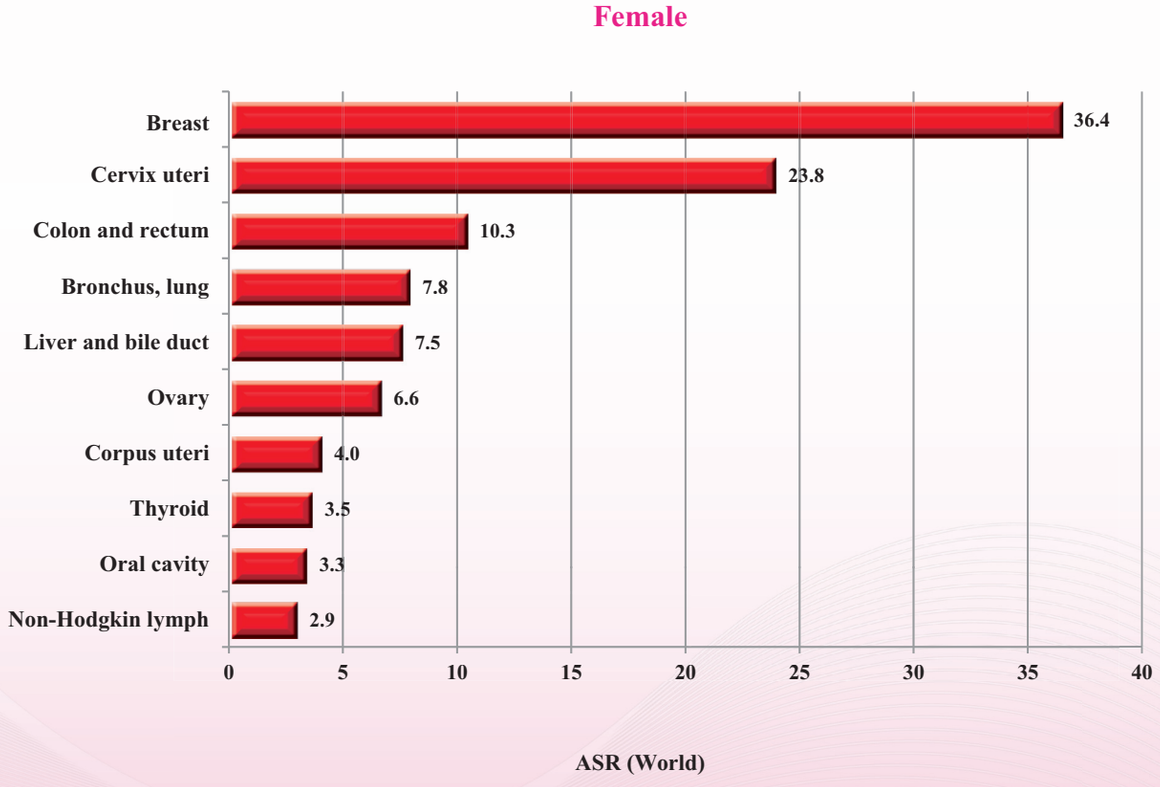
Summary of Results

New cases registered in 2004-2006, 1,603 were males and 1,835 were females, making 3,438 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 147.1 per 100,000, lung cancer ranking first (ASR = 24.1), followed by liver and bile duct (ASR = 22.3) and colon and rectum (ASR = 13.3). The ASR of all cancers in females was139.1, the three leading sites being breast (ASR = 36.4), cervix (ASR = 23.8) and colon and rectum (ASR = 10.3).

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Figure 3.10 Leading cancer in Phra Nakhon Si Ayutthaya, 2004-2006





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Table 3.11.1 Phra Nakhon Si Ayutthaya (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.2	0.2	C00
Tongue	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.7	4.2	9.5	2.3	8.5	18.4	22.6	19.8	3.2	3.0	C01-02
Mouth	44	1.3	0.0	0.0	1.2	0.0	0.0	0.0	2.0	2.3	2.8	20.8	9.4	2.8	18.4	22.6	39.6	4.1	4.0	C03-06
Salivary glands	2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.2	0.2	C07-08
Tonsil	16	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.4	9.5	9.4	5.7	0.0	13.5	0.0	1.5	1.5	C09
Other oropharynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	11.9	0.5	0.4	C10
Nasopharynx	27	1.3	0.0	0.0	0.0	1.2	0.0	1.0	6.1	2.3	5.6	1.9	4.7	2.8	11.1	13.5	7.9	2.5	2.3	C11
Hypopharynx	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.4	5.7	7.0	11.4	11.1	13.5	23.8	2.2	2.3	C12-13
Pharynx unspecified	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	0.0	0.0	0.0	4.5	7.9	0.5	0.4	C14
Esophagus	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	9.9	19.0	25.8	34.1	47.9	58.7	19.8	6.8	7.1	C15
Stomach	38	0.0	0.0	0.0	1.2	0.0	1.0	0.0	2.0	2.3	4.2	9.5	9.4	2.8	36.9	22.6	15.8	3.6	3.5	C16
Small intestine	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.4	0.0	0.0	0.0	0.0	4.5	0.0	0.4	0.3	C17
Colon	102	1.3	0.0	0.0	0.0	1.2	1.0	1.0	2.0	5.8	14.1	15.2	37.5	22.7	47.9	54.2	95.1	9.5	9.3	C18
Rectum	43	0.0	0.0	0.0	0.0	2.3	2.1	1.0	0.0	5.8	7.0	7.6	7.0	14.2	3.7	36.1	27.7	4.0	3.8	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	4.0	0.2	0.2	C21
Liver and bile duct	243	0.0	1.2	0.0	0.0	0.0	2.1	3.9	10.1	28.0	21.1	55.0	93.9	88.1	121.6	108.4	118.8	22.7	22.3	C22,C24
Gallbladder	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.5	0.0	0.2	0.2	C23
Pancreas	20	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.3	0.0	3.8	7.0	11.4	7.4	13.5	11.9	1.9	1.9	C25
Nose, sinuses etc.	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	3.7	0.0	11.9	0.5	0.4	C30-31
Larynx	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.2	13.3	14.1	14.2	18.4	40.6	31.7	4.1	4.1	C32
Trachea, Bronchus, and lung	259	5.1	0.0	0.0	1.2	0.0	0.0	2.0	2.0	9.3	14.1	34.1	82.1	71.0	143.7	198.7	281.2	24.2	24.1	C33-34
Other thoracic organs	3	0.0	0.0	0.0	1.2	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	C37-38
Bone	6	0.0	0.0	0.0	0.0	1.2	1.0	1.0	0.0	1.2	0.0	0.0	2.3	0.0	0.0	0.0	4.0	0.6	0.5	C40-C41
Melanoma of skin	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	0.0	0.0	0.0	4.5	7.9	0.5	0.4	C43
Other skin	29	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.2	1.4	7.6	7.0	8.5	7.4	22.6	35.7	2.7	2.6	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	8	0.0	1.2	0.0	0.0	0.0	1.0	0.0	0.0	1.2	1.4	0.0	2.3	2.8	0.0	4.5	4.0	0.7	0.7	C47,C49
Breast	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.4	1.9	0.0	0.0	0.0	9.0	4.0	0.6	0.5	C50
Penis	13	0.0	0.0	0.0	0.0	2.3	0.0	1.0	1.0	1.2	1.4	0.0	2.3	2.8	7.4	9.0	4.0	1.2	1.2	C60
Prostate	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	7.6	7.0	14.2	33.2	67.7	91.1	5.7	5.5	C61
Testis	5	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.0	0.5	0.3	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C63
Kidney	8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	2.3	5.7	3.7	0.0	0.0	0.7	0.9	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.1	0.1	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.1	0.1	C66
Bladder	70	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.3	7.0	0.0	4.7	28.4	29.5	72.2	99.0	6.5	6.3	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.2	0.2	C69
Brain, nervous system	36	0.0	1.2	1.2	1.2	4.7	1.0	2.0	3.0	2.3	7.0	5.7	7.0	11.4	3.7	13.5	7.9	3.4	3.2	C70-72
Thyroid	17	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	4.7	1.4	3.8	2.3	2.8	7.4	9.0	4.0	1.6	1.4	C73
Adrenal gland	1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	7	0.0	0.0	0.0	3.7	1.2	1.0	0.0	0.0	1.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	C81
Non-Hodgkin lymphoma	66	2.6	3.6	1.2	1.2	0.0	0.0	0.0	2.0	5.8	11.3	11.4	21.1	14.2	29.5	31.6	35.7	6.2	6.2	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.4	0.0	0.0	0.0	11.1	4.5	0.0	0.6	0.6	C90
Lymphoid leukemia	42	0.0	9.6	4.9	3.7	2.3	0.0	2.0	1.0	1.2	0.0	5.7	2.3	2.8	7.4	18.1	39.6	3.9	4.0	C91
Myeloid leukemia	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	2.3	2.8	0.0	0.0	4.0	0.4	0.4	C92-94
Leukemia unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C95
Other and unspecified	209	1.3	0.0	0.0	0.0	4.7	2.1	3.9	8.1	18.6	25.3	47.4	49.3	71.0	92.1	108.4	142.6	19.6	19.0	O&U
All sites	**1,603**	**18.0**	**16.8**	**7.3**	**14.7**	**21.1**	**15.6**	**25.6**	**52.8**	**114.2**	**156.3**	**305.2**	**427.1**	**463.1**	**726.1**	**1016.0**	**1224.0**	**150.0**	**147.1**	

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Table 3.11.2 Phra Nakhon Si Ayutthaya (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	2.4	2.9	0.0	14.4	0.9	0.6	C00
Tongue	14	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	3.3	0.0	0.0	4.0	0.0	2.9	6.8	12.0	1.2	0.9	C01-02
Mouth	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.6	4.0	11.9	2.9	6.8	26.3	2.0	1.6	C03-06
Salivary glands	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.6	2.0	0.0	0.0	0.0	2.4	0.3	0.3	C07-08
Tonsil	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.2	0.1	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.1	0.0	C10
Nasopharynx	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.2	1.3	1.6	0.0	2.4	2.9	3.4	2.4	0.9	0.7	C11
Hypopharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C12-13
Pharynx unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	0.0	0.0	0.0	0.0	0.3	0.2	C14
Esophagus	21	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.3	3.3	2.0	19.1	0.0	13.7	9.6	1.8	1.6	C15
Stomach	33	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.2	6.6	6.6	4.0	4.8	26.2	6.8	9.6	2.9	2.5	C16
Small intestine	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	0.0	2.9	0.0	2.4	0.3	0.3	C17
Colon	92	0.0	0.0	0.0	0.0	0.0	1.0	3.6	3.9	7.6	7.9	18.1	20.0	21.5	23.3	34.1	52.7	8.0	6.5	C18
Rectum	46	0.0	0.0	1.3	0.0	0.0	2.0	0.9	1.0	1.1	1.3	6.6	8.0	14.3	26.2	20.5	24.0	4.0	3.4	C19-20
Anus	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.6	2.0	2.4	0.0	3.4	2.4	0.5	0.4	C21
Liver and bile duct	103	0.0	0.0	0.0	0.0	1.1	0.0	0.0	3.9	1.1	9.2	13.1	20.0	38.2	40.8	54.6	62.3	9.0	7.5	C22,C24
Gallbladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.0	0.0	5.8	3.4	7.2	0.7	0.5	C23
Pancreas	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.6	4.0	4.8	8.7	17.1	16.8	1.9	1.5	C25
Nose, sinuses etc.	2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.2	0.2	C30-31
Larynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	10.2	2.4	0.4	0.3	C32
Trachea, Bronchus, and lung	111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.3	6.6	14.8	24.0	35.8	35.0	64.9	81.4	9.7	7.8	C33-34
Other thoracic organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C37-38
Bone	9	0.0	0.0	1.3	0.0	1.1	1.0	0.0	0.0	1.1	0.0	3.3	2.0	0.0	2.9	3.4	0.0	0.8	0.7	C40-C41
Melanoma of skin	5	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.0	0.0	0.0	0.4	0.4	C43
Other skin	38	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	1.1	1.3	1.6	14.0	16.7	8.7	13.7	26.3	3.3	2.7	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	10	0.0	1.3	0.0	1.2	0.0	0.0	0.0	0.0	2.2	2.6	1.6	0.0	0.0	0.0	0.0	7.2	0.9	0.8	C47,C49
Breast	463	5.6	2.5	2.6	2.4	9.8	4.0	11.5	34.0	62.9	91.0	142.9	112.2	145.8	90.3	51.2	35.9	40.5	36.4	C50
Vulva	3	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	2.4	0.3	0.2	C51
Vagina	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C52
Cervix uteri	310	2.8	1.3	0.0	1.2	0.0	1.0	4.4	18.4	46.6	68.6	82.1	66.1	76.5	78.7	92.2	40.7	27.1	23.8	C53
Corpus uteri	52	0.0	0.0	0.0	0.0	1.1	1.0	0.0	1.9	4.3	4.0	19.7	14.0	19.1	23.3	6.8	9.6	4.5	4.1	C54
Uterus unspecified	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	6.6	4.0	0.0	11.7	3.4	0.0	1.1	1.0	C55
Ovary	82	1.4	0.0	1.3	1.2	1.1	0.0	2.7	4.9	7.6	15.8	27.9	22.0	19.1	29.1	10.2	4.8	7.2	6.6	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C58
Kidney	8	1.4	1.3	0.0	0.0	0.0	0.0	0.9	0.0	1.1	1.3	0.0	2.0	0.0	0.0	0.0	4.8	0.7	0.7	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.1	0.0	0.0	6.0	11.9	11.7	6.8	7.2	1.7	1.5	C67
Other urinary organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.0	0.0	0.0	0.0	0.0	0.2	0.2	C68
Eye	2	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.2	0.2	C69
Brain, nervous system	28	0.0	3.8	2.6	2.4	1.1	0.0	1.8	2.9	0.0	4.0	1.6	6.0	7.2	0.0	6.8	7.2	2.4	2.3	C70-72
Thyroid	47	1.4	0.0	0.0	1.2	1.1	3.0	3.6	5.8	7.6	11.9	4.9	6.0	4.8	11.7	6.8	2.4	4.1	3.5	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.1	0.0	C75
Hodgkin disease	4	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	1.3	1.6	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C81
Non-Hodgkin lymphoma	37	0.0	0.0	0.0	2.4	0.0	1.0	0.0	1.0	2.2	4.0	3.3	12.0	7.2	17.5	27.3	7.2	3.2	2.9	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C88
Multiple myeloma	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.6	0.0	2.4	2.9	0.0	2.4	0.6	0.6	C90
Lymphoid leukemia	23	0.0	2.5	0.0	1.2	1.1	2.0	1.8	1.9	0.0	4.0	1.6	0.0	2.4	8.7	6.8	7.2	2.0	1.8	C91
Myeloid leukemia	9	0.0	1.3	0.0	2.4	0.0	1.0	0.9	0.0	0.0	1.3	0.0	0.0	4.8	0.0	3.4	0.0	0.8	0.8	C92-94
Leukemia unspecified	1	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C95
Other and unspecified	139	0.0	0.0	0.0	0.0	2.2	1.0	3.6	9.7	9.8	15.8	23.0	32.1	35.8	61.2	41.0	55.1	12.2	10.2	O&U
All sites	**1,835**	**12.5**	**16.5**	**9.1**	**15.9**	**22.9**	**23.9**	**38.2**	**98.0**	**172.4**	**274.3**	**402.4**	**408.8**	**513.8**	**539.1**	**532.6**	**555.7**	**160.5**	**139.1**	

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Table 3.11.3 Annual incidence, Phra Nakhon Si Ayutthaya, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	2	0.1	0.2	0.2	0.0	0.0	10	0.5	0.9	0.6	0.0	0.0
C01-02	Tongue	34	2.1	3.2	3.0	0.2	0.4	14	0.8	1.2	0.9	0.0	0.1
C03-06	Mouth	44	2.7	4.1	4.0	0.2	0.4	23	1.3	2.0	1.6	0.1	0.1
C07-08	Salivary glands	2	0.1	0.2	0.2	0.0	0.0	4	0.2	0.3	0.3	0.0	0.0
C09	Tonsil	16	1.0	1.5	1.5	0.1	0.2	2	0.1	0.2	0.1	0.0	0.0
C10	Other oropharynx	5	0.3	0.5	0.4	0.0	0.0	1	0.1	0.1	0.0	0.0	0.0
C11	Nasopharynx	27	1.7	2.5	2.3	0.1	0.3	10	0.5	0.9	0.7	0.0	0.1
C12-13	Hypopharynx	24	1.5	2.2	2.3	0.1	0.3	0	0.0	0.0	0.0	0.0	0.0
C14	Pharynx unspecified	5	0.3	0.5	0.4	0.0	0.0	3	0.2	0.3	0.2	0.0	0.0
C15	Esophagus	73	4.6	6.8	7.1	0.5	1.0	21	1.1	1.8	1.6	0.1	0.2
C16	Stomach	38	2.4	3.6	3.5	0.2	0.5	33	1.8	2.9	2.5	0.1	0.3
C17	Small intestine	4	0.2	0.4	0.3	0.0	0.0	4	0.2	0.3	0.3	0.0	0.0
C18	Colon	102	6.4	9.5	9.3	0.5	1.0	92	5.0	8.0	6.5	0.4	0.7
C19-20	Rectum	43	2.7	4.0	3.8	0.2	0.4	46	2.5	4.0	3.4	0.2	0.4
C21	Anus	2	0.1	0.2	0.2	0.0	0.0	6	0.3	0.5	0.4	0.0	0.1
C22,C24	Liver and bile duct	243	15.2	22.7	22.3	1.5	2.7	103	5.6	9.0	7.5	0.4	0.9
C23	Gallbladder	2	0.1	0.2	0.2	0.0	0.0	8	0.4	0.7	0.5	0.0	0.1
C25	Pancreas	20	1.2	1.9	1.9	0.1	0.2	22	1.2	1.9	1.5	0.1	0.2
C30-31	Nose, sinuses etc.	5	0.3	0.5	0.4	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C32	Larynx	44	2.7	4.1	4.1	0.2	0.5	5	0.3	0.4	0.3	0.0	0.1
C33-34	Trachea, Bronchus, and lung	259	16.2	24.2	24.1	1.1	2.8	111	6.0	9.7	7.8	0.4	0.9
C37-38	Other thoracic organs	3	0.2	0.3	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C40-C41	Bone	6	0.4	0.6	0.5	0.0	0.0	9	0.5	0.8	0.7	0.0	0.1
C43	Melanoma of skin	5	0.3	0.5	0.4	0.0	0.0	5	0.3	0.4	0.4	0.0	0.0
C44	Other skin	29	1.8	2.7	2.6	0.1	0.3	38	2.1	3.3	2.7	0.2	0.3
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	8	0.5	0.7	0.7	0.1	0.1	10	0.5	0.9	0.8	0.0	0.0
C50	Breast	6	0.4	0.6	0.5	0.0	0.1	463	25.2	40.5	36.4	3.1	3.8
C51	Vulva							3	0.2	0.3	0.2	0.0	0.0
C52	Vagina							1	0.1	0.1	0.1	0.0	0.0
C53	Cervix uteri							310	16.9	27.1	23.8	1.8	2.7
C54	Corpus uteri							52	2.8	4.5	4.1	0.3	0.5
C55	Uterus unspecified							13	0.7	1.1	1.0	0.1	0.1
C56	Ovary							82	4.5	7.2	6.6	0.5	0.7
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							0	0.0	0.0	0.0	0.0	0.0
C60	Penis	13	0.8	1.2	1.2	0.1	0.1						
C61	Prostate	61	3.8	5.7	5.5	0.2	0.7						
C62	Testis	5	0.3	0.5	0.3	0.0	0.0						
C63	Other male genital organs	1	0.1	0.1	0.1	0.0	0.0						
C64	Kidney	8	0.5	0.7	0.9	0.1	0.1	8	0.4	0.7	0.7	0.0	0.0
C65	Renal pelvis	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	70	4.4	6.5	6.3	0.2	0.7	19	1.0	1.7	1.5	0.1	0.2
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C69	Eye	2	0.1	0.2	0.2	0.0	0.0	2	0.1	0.2	0.2	0.0	0.0
C70-72	Brain, nervous system	36	2.2	3.4	3.2	0.2	0.3	28	1.5	2.4	2.3	0.2	0.2
C73	Thyroid	17	1.1	1.6	1.4	0.1	0.2	47	2.6	4.1	3.5	0.3	0.3
C74	Adrenal gland	1	0.1	0.1	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.0	0.0	0.0
C81	Hodgkin disease	7	0.4	0.7	0.7	0.0	0.0	4	0.2	0.3	0.3	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	66	4.1	6.2	6.2	0.4	0.7	37	2.0	3.2	2.9	0.2	0.4
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C90	Multiple myeloma	6	0.4	0.6	0.6	0.0	0.1	7	0.4	0.6	0.6	0.0	0.1
C91	Lymphoid leukemia	42	2.6	3.9	4.0	0.2	0.3	23	1.3	2.0	1.8	0.1	0.2
C92-94	Myeloid leukemia	4	0.2	0.4	0.4	0.0	0.0	9	0.5	0.8	0.8	0.1	0.1
C95	Leukemia unspecified	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
O&U	Other and unspecified	209	13.0	19.6	19.0	1.2	2.2	139	7.6	12.2	10.2	0.7	1.2
	All sites	**1603**	**100.0**	**150.0**	**147.1**	**8.2**	**16.9**	**1835**	**100.0**	**160.5**	**139.1**	10.0	15.4

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Table 3.11.4 Percentage of morphologically verified and death certificate only cases, Phra Nakhon Si Ayutthaya, 2004-2006

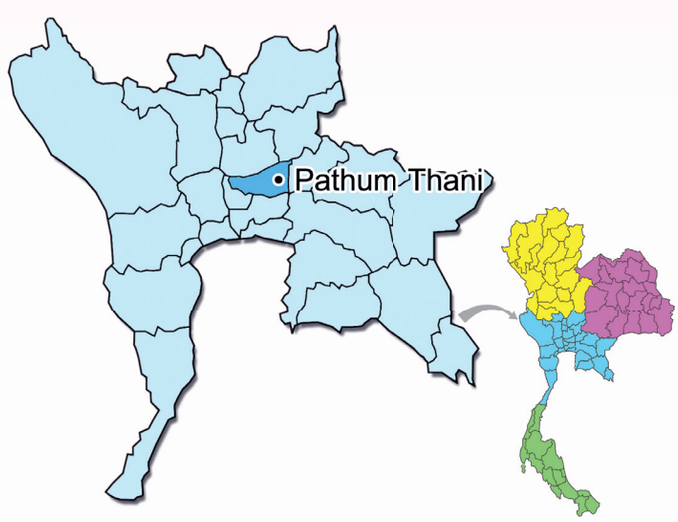
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	82	69.5	8.5	51	76.5	7.8
C09-C10,C14	Oropharynx, etc.	26	57.7	11.5	6	66.7	16.7
C11	Nasopharynx	27	51.9	7.4	10	40.0	10.0
C12-C13	Hypopharynx	24	70.8	0.0	0	-	-
C15	Esophagus	73	60.3	5.5	21	57.1	4.8
C16	Stomach	38	68.4	5.3	33	63.6	9.1
C17	Small intestine	4	75.0	0.0	4	50.0	50.0
C18-C21	Colon and rectum	147	66.7	6.1	144	64.6	5.6
C22,C24	Liver and bile duct	243	14.8	4.9	103	27.2	6.8
C23	Gallbladder	2	50.0	50.0	8	12.5	37.5
C25	Pancreas	20	50.0	15.0	22	45.5	13.6
C30-C31	Nose, sinuses etc.	5	100.0	0.0	2	50.0	0.0
C32	Larynx	44	54.5	9.1	5	60.0	20.0
C33-C34	Trachea, bronchus and lung	259	24.7	6.9	111	31.5	4.5
C37-C38	Other thoracic organs	3	33.3	0.0	1	100.0	0.0
C40-C41	Bone	6	50.0	33.3	9	44.4	22.2
C43	Melanoma of skin	5	100.0	0.0	5	100.0	0.0
C44	Other skin	29	86.2	10.3	38	86.8	7.9
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	8	75.0	25.0	10	80.0	10.0
C50	Breast	6	66.7	0.0	463	71.9	1.1
C51	Vulva				3	33.3	0.0
C52	Vagina				1	100.0	0.0
C53	Cervix uteri				310	67.1	2.3
C54	Corpus uteri				52	78.8	0.0
C55	Uterus unspecified				13	61.5	38.5
C56	Ovary				82	63.4	3.7
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				0	-	-
C60	Penis	13	61.5	0.0			
C61	Prostate	61	62.3	8.2			
C62	Testis	5	60.0	0.0			
C63	Other male genital organs	1	100.0	0.0			
C64	Kidney	8	62.5	25.0	8	75.0	12.5
C65	Renal pelvis	1	100.0	0.0	0	-	-
C66	Ureter	1	100.0	0.0	0	-	-
C67	Bladder	70	44.3	4.3	19	63.2	5.3
C68	Other urinary organs	0	-	-	2	100.0	0.0
C69	Eye	2	100.0	0.0	2	100.0	0.0
C70-C72	Brain, nervous system	36	66.7	22.2	28	67.9	14.3
C73	Thyroid	17	70.6	0.0	47	72.3	0.0
C74	Adrenal gland	1	100.0	0.0	0	-	-
C75	Other endocrine	1	100.0	0.0	1	100.0	0.0
C81	Hodgkin's disease	7	100.0	0.0	4	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	66	100.0	0.0	37	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	1	100.0	0.0
C90	Multiple myeloma	6	100.0	0.0	7	100.0	0.0
C91-C95	Leukemia	47	100.0	0.0	33	100.0	0.0
O&U	Other and unspecified	209	22.0	14.8	139	16.5	20.1
	All sites	**1603**	**47.3**	**7.5**	**1835**	**61.5**	**5.4**

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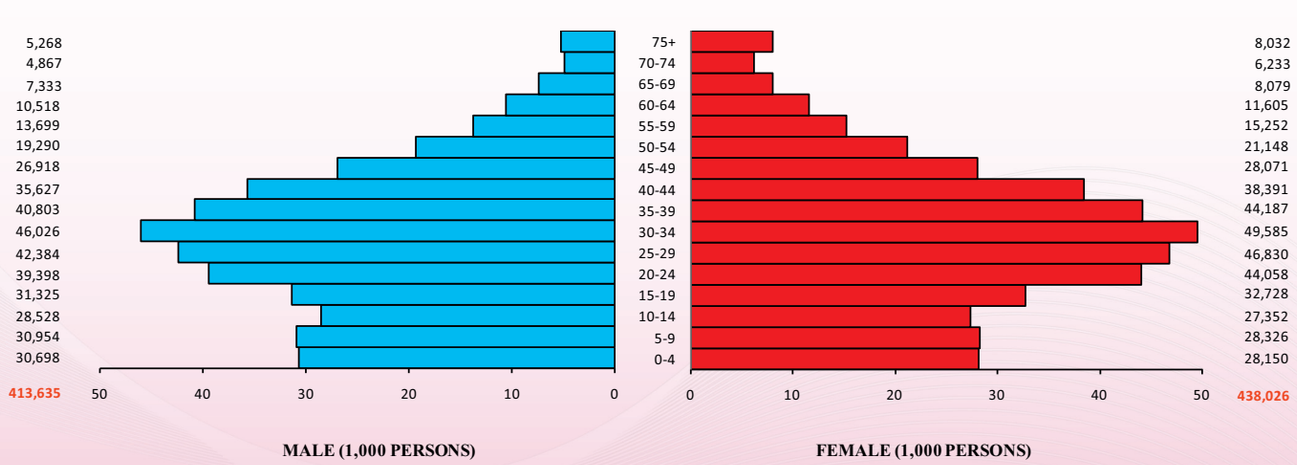
Pathum Thani Cancer Registry

Registration area

Pathum Thani is one of the central provinces of Thailand. Neighboring provinces are Ayuthaya, Saraburi, Nakhon Nayok, Bangkok and Nonthaburi. The province is located directly north of Bangkok and is part of the Bangkok metropolis. It cover an area of 1,525 square kilometers with a population of 851,663. Since Pathum Thani has a number of industrial parks and many research agencies, the province is considered as an "Education and Technology Hub" of the area.



Population pyramid, Pathum Thani, 2005



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Cancer care facilities

There are 10 government hospitals, 8 private hospitals and 1 university hospital. The Maha Vajiralongkorn Cancer Center is the only place that provides radiotherapy services in the province. Patients suspected to have cancer in the health care system and community hospitals are refereed to Bangkok or neighboring provinces.

Registry procedures

The population-based cancer registry of Pathum Thani was set up in 2004. The source information are all public and private hospitals in the province. Data is collected by passive method. The registrar visit all registered sites by regular schedule.

Summary of Results

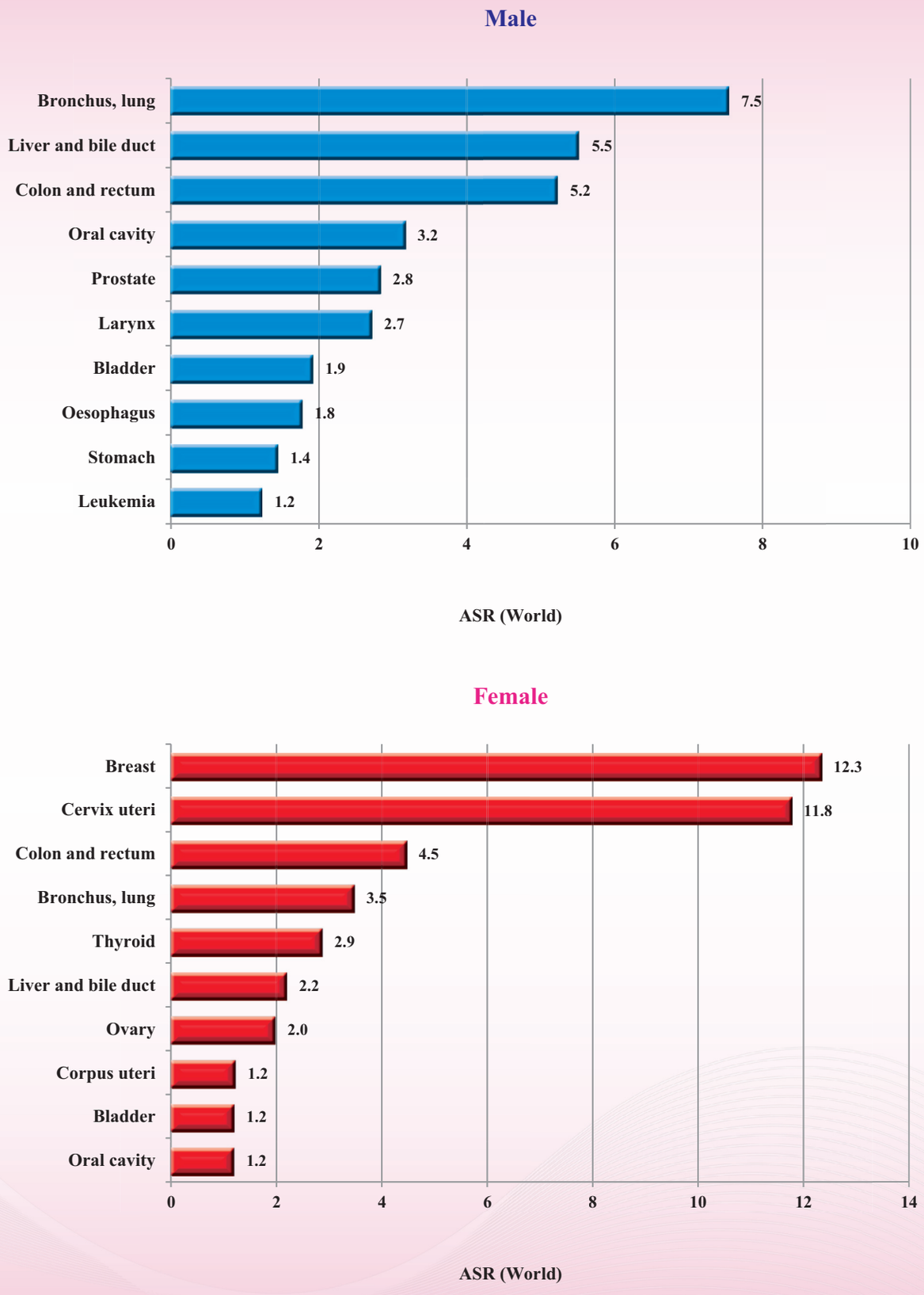
New cases registered in 2004-2006, 412 were males and 626 were females, making 1,038 for both sexes. The age - standardized incidence rate (ASR) of all cancers in males was 42.2 per 100,000, with lung ranking as the first site (ASR = 7.5), followed by liver and bile duct (ASR = 5.5) and colon and rectum (ASR = 5.2). The ASR of all sites in females was 50.1, the three leading cancers being breast (ASR = 12.3), cervix (ASR = 11.8) and colon and rectum (ASR = 4.5).

Clarification

Since Pathum Thani Cancer Registry just commenced collective of population based data in 2004, the presently available statistics are very much on underestimate of the actual situation. Furthermore, only the cases diagnosed and clinically treated in Pathum Thani province are included, many patients travel from Pathum Thani, located just to the north of Bangkok, to the metropolis to take advantage of the facilities there. It should be also noted that the DCO figure is zero, reflecting the absence of reliable death statistics in the province. In the next phase, these cases will be matched with cases collected from hospitals in Bangkok accurate statistics will be produced.

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Figure 3.11 Leading cancer in Pathum Thani, 2004-2006



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Table 3.12.1 Pathum Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C00
Tongue	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.5	0.0	7.3	3.2	9.1	6.8	6.3	1.0	1.2	C01-02
Mouth	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	2.5	3.5	2.4	22.2	9.1	13.7	0.0	1.5	2.0	C03-06
Salivary glands	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C07-08
Tonsil	8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	0.9	1.2	0.0	2.4	3.2	4.5	0.0	0.0	0.6	0.7	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	11	0.0	0.0	1.2	0.0	0.8	0.0	0.0	0.0	0.0	2.5	3.5	7.3	3.2	4.5	0.0	0.0	0.9	1.0	C11
Hypopharynx	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.5	2.4	3.2	0.0	0.0	12.7	0.6	0.7	C12-13
Pharynx unspecified	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	4.5	0.0	0.0	0.2	0.2	C14
Esophagus	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.9	3.7	1.7	4.9	6.3	13.6	13.7	6.3	1.5	1.8	C15
Stomach	14	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.9	1.2	3.5	0.0	3.2	4.5	20.5	19.0	1.1	1.4	C16
Small intestine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C17
Colon	32	0.0	0.0	0.0	0.0	0.8	0.8	1.4	0.8	2.8	3.7	3.5	17.0	9.5	27.3	13.7	6.3	2.6	3.1	C18
Rectum	21	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.9	6.2	3.5	0.0	12.7	13.6	6.8	19.0	1.7	2.1	C19-20
Anus	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C21
Liver and bile duct	60	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.5	7.5	13.6	15.6	14.6	25.4	13.6	27.4	31.6	4.8	5.5	C22,C24
Gallbladder	2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.2	0.2	C23
Pancreas	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.0	0.0	4.9	12.7	0.0	0.0	6.3	0.7	0.9	C25
Nose, sinuses etc.	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.2	4.5	0.0	0.0	0.2	0.3	C30-31
Larynx	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	7.4	5.2	4.9	12.7	27.3	6.8	12.7	2.1	2.7	C32
Trachea, Bronchus, and lung	68	0.0	0.0	0.0	1.1	0.0	0.0	0.7	0.8	1.9	7.4	13.8	19.5	50.7	31.8	47.9	69.6	5.5	7.5	C33-34
Other thoracic organs	2	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.2	0.2	C37-38
Bone	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.1	0.1	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	4.5	6.8	0.0	0.2	0.4	C43
Other skin	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.2	0.3	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C47,C49
Breast	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C50
Penis	6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.9	0.0	1.7	2.4	0.0	0.0	13.7	0.0	0.5	0.6	C60
Prostate	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	27.3	34.2	56.9	1.8	2.8	C61
Testis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	3	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	6.8	0.0	0.2	0.3	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C66
Bladder	17	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.9	0.0	5.2	0.0	15.8	0.0	13.7	31.6	1.4	1.9	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.2	0.2	C69
Brain, nervous system	5	0.0	0.0	0.0	2.1	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.4	0.4	C70-72
Thyroid	10	0.0	0.0	0.0	1.1	0.0	1.6	0.7	0.0	0.0	1.2	1.7	0.0	9.5	0.0	6.8	0.0	0.8	0.9	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C81
Non-Hodgkin lymphoma	5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.0	0.0	4.9	0.0	0.0	0.0	6.3	0.4	0.4	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C90
Lymphoid leukemia	8	4.3	3.2	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	C91
Myeloid leukemia	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.2	0.1	C92-94
Leukemia unspecified	2	0.0	0.0	0.0	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C95
Other and unspecified	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.2	3.5	0.0	3.2	4.5	0.0	0.0	0.5	0.6	O&U
All sites	**412**	**4.3**	**3.2**	**2.3**	**7.4**	**5.1**	**3.9**	**8.0**	**16.3**	**24.3**	**60.7**	**72.6**	**102.2**	**206.0**	**204.6**	**239.7**	**316.4**	**33.2**	**42.2**	

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Table 3.12.2 Pathum Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C00
Tongue	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.6	0.0	8.6	0.0	5.3	0.0	0.5	0.6	C01-02
Mouth	6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	3.2	0.0	2.9	8.3	0.0	0.0	0.5	0.6	C03-06
Salivary glands	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C07-08
Tonsil	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.1	0.1	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	10	0.0	0.0	0.0	0.0	0.0	1.4	0.0	3.0	1.7	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.8	0.6	C11
Hypopharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	2.9	0.0	0.0	0.0	0.2	0.3	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.2	0.0	0.0	2.9	0.0	10.7	4.1	0.5	0.5	C15
Stomach	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	2.2	0.0	0.0	5.3	16.6	0.5	0.6	C16
Small intestine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C17
Colon	31	0.0	0.0	0.0	0.0	1.5	0.0	0.0	2.3	0.9	2.4	6.3	13.1	5.7	16.5	16.0	16.6	2.4	2.7	C18
Rectum	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	1.2	1.6	2.2	5.7	20.6	26.7	4.1	1.4	1.8	C19-20
Anus	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C21
Liver and bile duct	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.9	0.0	6.3	13.1	11.5	4.1	10.7	16.6	2.0	2.2	C22,C24
Gallbladder	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.1	0.1	C23
Pancreas	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	10.7	0.0	0.2	0.3	C25
Nose, sinuses etc.	2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.2	0.2	C30-31
Larynx	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.1	0.0	0.0	0.2	0.2	C32
Trachea, Bronchus, and lung	38	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	0.9	4.7	1.6	15.3	8.6	28.9	26.7	29.0	2.9	3.5	C33-34
Other thoracic organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C37-38
Bone	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C40-C41
Melanoma of skin	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C43
Other skin	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	8.3	0.3	0.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.1	0.1	C47,C49
Breast	169	0.0	0.0	0.0	0.0	0.8	0.7	8.1	18.9	26.9	23.7	44.1	41.5	28.7	61.9	26.7	8.3	12.9	12.3	C50
Vulva	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	C51
Vagina	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C52
Cervix uteri	150	0.0	0.0	0.0	0.0	0.8	1.4	5.4	9.1	17.4	28.5	33.1	48.1	43.1	49.5	26.7	33.2	11.4	11.8	C53
Corpus uteri	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.2	3.2	0.0	5.7	4.1	21.4	8.3	1.0	1.2	C54
Uterus unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C55
Ovary	30	0.0	0.0	0.0	0.0	2.3	2.1	1.3	2.3	5.2	2.4	9.5	4.4	0.0	4.1	5.3	4.1	2.3	2.0	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C58
Kidney	5	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	5.3	4.1	0.4	0.5	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	8.6	20.6	5.3	4.1	0.8	1.2	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	2	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C69
Brain, nervous system	13	1.2	0.0	0.0	1.0	0.8	0.7	1.3	0.0	1.7	1.2	1.6	0.0	0.0	4.1	10.7	0.0	1.0	1.0	C70-72
Thyroid	40	0.0	2.4	0.0	1.0	1.5	2.1	2.0	4.5	4.3	5.9	7.9	4.4	2.9	12.4	5.3	4.1	3.0	2.9	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C81
Non-Hodgkin lymphoma	5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.2	0.0	0.0	0.0	4.1	5.3	4.1	0.4	0.4	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C90
Lymphoid leukemia	4	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	C91
Myeloid leukemia	4	1.2	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.3	0.4	C92-94
Leukemia unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.2	0.2	C95
Other and unspecified	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.2	0.0	0.0	0.0	4.1	5.3	8.3	0.5	0.6	O&U
All sites	**626**	**3.6**	**4.7**	**2.4**	**3.1**	**8.3**	**10.0**	**22.2**	**47.5**	**65.1**	**80.7**	**122.9**	**155.2**	**155.1**	**251.7**	**230.0**	**178.4**	**47.6**	**50.1**	

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Table 3.12.3 Annual incidence, Pathum Thani, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	0	0.0	0.0	0.0	0.0	0.0	1	0.2	0.1	0.0	0.0	0.0
C01-02	Tongue	12	2.9	1.0	1.2	0.1	0.2	6	1.0	0.5	0.6	0.1	0.1
C03-06	Mouth	18	4.4	1.5	2.0	0.2	0.3	6	1.0	0.5	0.6	0.0	0.1
C07-08	Salivary glands	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C09	Tonsil	8	1.9	0.6	0.7	0.1	0.1	1	0.2	0.1	0.1	0.0	0.0
C10	Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	11	2.7	0.9	1.0	0.1	0.1	10	1.6	0.8	0.6	0.1	0.1
C12-13	Hypopharynx	7	1.7	0.6	0.7	0.1	0.1	3	0.5	0.2	0.3	0.0	0.0
C14	Pharynx unspecified	2	0.5	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	18	4.4	1.5	1.8	0.1	0.2	6	1.0	0.5	0.5	0.0	0.1
C16	Stomach	14	3.4	1.1	1.4	0.1	0.2	7	1.1	0.5	0.6	0.0	0.0
C17	Small intestine	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C18	Colon	32	7.8	2.6	3.1	0.2	0.4	31	5.0	2.4	2.7	0.2	0.3
C19-20	Rectum	21	5.1	1.7	2.1	0.1	0.2	18	2.9	1.4	1.8	0.1	0.3
C21	Anus	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C22,C24	Liver and bile duct	60	14.6	4.8	5.5	0.4	0.6	26	4.2	2.0	2.2	0.2	0.2
C23	Gallbladder	2	0.5	0.2	0.2	0.0	0.0	1	0.2	0.1	0.1	0.0	0.0
C25	Pancreas	9	2.2	0.7	0.9	0.1	0.1	3	0.5	0.2	0.3	0.0	0.1
C30-31	Nose, sinuses etc.	3	0.7	0.2	0.3	0.0	0.0	2	0.3	0.2	0.2	0.0	0.0
C32	Larynx	26	6.3	2.1	2.7	0.2	0.3	2	0.3	0.2	0.2	0.0	0.0
C33-34	Trachea, Bronchus, and lung	68	16.5	5.5	7.5	0.5	0.9	38	6.1	2.9	3.5	0.2	0.4
C37-38	Other thoracic organs	2	0.5	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C40-C41	Bone	1	0.2	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C43	Melanoma of skin	3	0.7	0.2	0.4	0.0	0.1	0	0.0	0.0	0.0	0.0	0.0
C44	Other skin	2	0.5	0.2	0.3	0.0	0.0	4	0.6	0.3	0.4	0.0	0.0
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	1	0.2	0.1	0.0	0.0	0.0	1	0.2	0.1	0.1	0.0	0.0
C50	Breast	1	0.2	0.1	0.1	0.0	0.0	169	27.0	12.9	12.3	1.0	1.4
C51	Vulva							2	0.3	0.2	0.1	0.0	0.0
C52	Vagina							1	0.2	0.1	0.1	0.0	0.0
C53	Cervix uteri							150	24.0	11.4	11.8	0.9	1.3
C54	Corpus uteri							13	2.1	1.0	1.2	0.1	0.2
C55	Uterus unspecified							0	0.0	0.0	0.0	0.0	0.0
C56	Ovary							30	4.8	2.3	2.0	0.1	0.2
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							0	0.0	0.0	0.0	0.0	0.0
C60	Penis	6	1.5	0.5	0.6	0.0	0.1						
C61	Prostate	22	5.3	1.8	2.8	0.0	0.3						
C62	Testis	0	0.0	0.0	0.0	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	3	0.7	0.2	0.3	0.0	0.0	5	0.8	0.4	0.5	0.0	0.1
C65	Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	1	0.2	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	17	4.1	1.4	1.9	0.1	0.2	11	1.8	0.8	1.2	0.0	0.2
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	2	0.5	0.2	0.2	0.0	0.0	2	0.3	0.2	0.2	0.0	0.0
C70-72	Brain, nervous system	5	1.2	0.4	0.4	0.0	0.0	13	2.1	1.0	1.0	0.0	0.1
C73	Thyroid	10	2.4	0.8	0.9	0.1	0.1	40	6.4	3.0	2.9	0.2	0.3
C74	Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	1	0.2	0.1	0.1	0.0	0.0	1	0.2	0.1	0.1	0.0	0.0
C81	Hodgkin disease	1	0.2	0.1	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	5	1.2	0.4	0.4	0.0	0.0	5	0.8	0.4	0.4	0.0	0.1
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C91	Lymphoid leukemia	8	1.9	0.6	0.9	0.0	0.0	4	0.6	0.3	0.4	0.0	0.0
C92-94	Myeloid leukemia	2	0.5	0.2	0.1	0.0	0.0	4	0.6	0.3	0.4	0.0	0.0
C95	Leukemia unspecified	2	0.5	0.2	0.2	0.0	0.0	3	0.5	0.2	0.2	0.0	0.0
O&U	Other and unspecified	6	1.5	0.5	0.6	0.0	0.1	7	1.1	0.5	0.6	0.0	0.1
	All sites	**412**	**100.0**	**33.2**	**42.2**	**2.6**	**4.8**	**626**	**100.0**	**47.6**	**50.1**	**3.4**	**5.8**

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Table 3.12.4 Percentage of morphologically verified and death certificate only cases, Pathum Thani, 2004-2006

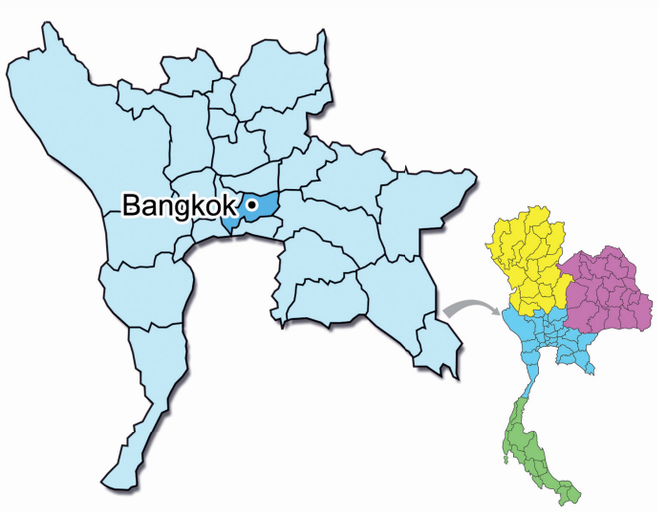
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	30	96.7	0.0	13	100.0	0.0
C09-C10,C14	Oropharynx, etc.	10	100.0	0.0	1	100.0	0.0
C11	Nasopharynx	11	90.9	0.0	10	100.0	0.0
C12-C13	Hypopharynx	7	85.7	0.0	3	100.0	0.0
C15	Esophagus	18	72.2	0.0	6	66.7	0.0
C16	Stomach	14	85.7	0.0	7	85.7	0.0
C17	Small intestine	0	-	-	0	-	-
C18-C21	Colon and rectum	53	84.9	0.0	49	89.8	0.0
C22,C24	Liver and bile duct	60	70.0	0.0	26	80.8	0.0
C23	Gallbladder	2	50.0	0.0	1	0.0	0.0
C25	Pancreas	9	22.2	0.0	3	0.0	0.0
C30-C31	Nose, sinuses etc.	3	100.0	0.0	2	100.0	0.0
C32	Larynx	26	84.6	0.0	2	50.0	0.0
C33-C34	Trachea, bronchus and lung	68	67.6	0.0	38	71.1	0.0
C37-C38	Other thoracic organs	2	50.0	0.0	0	-	-
C40-C41	Bone	1	0.0	0.0	0	-	-
C43	Melanoma of skin	3	100.0	0.0	0	-	-
C44	Other skin	2	100.0	0.0	4	75.0	0.0
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	1	100.0	0.0	1	100.0	0.0
C50	Breast	1	100.0	0.0	169	88.2	0.0
C51	Vulva				2	100.0	0.0
C52	Vagina				1	0.0	0.0
C53	Cervix uteri				150	81.3	0.0
C54	Corpus uteri				13	100.0	0.0
C55	Uterus unspecified				0	-	-
C56	Ovary				30	20.0	0.0
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				0	-	-
C60	Penis	6	100.0	0.0			
C61	Prostate	22	77.3	0.0			
C62	Testis	0	-	-			
C63	Other male genital organs	0	-	-			
C64	Kidney	3	100.0	0.0	5	80.0	0.0
C65	Renal pelvis	0	-	-	0	-	-
C66	Ureter	1	0.0	0.0	0	-	-
C67	Bladder	17	76.5	0.0	11	54.5	0.0
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	2	50.0	0.0	2	50.0	0.0
C70-C72	Brain, nervous system	5	100.0	0.0	13	84.6	0.0
C73	Thyroid	10	100.0	0.0	40	90.0	0.0
C74	Adrenal gland	0	-	-	0	-	-
C75	Other endocrine	1	100.0	0.0	1	100.0	0.0
C81	Hodgkin's disease	1	100.0	0.0	0	-	-
C82-C85,C96	Non-Hodgkin lymphoma	5	100.0	0.0	5	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	0	-	-	0	-	-
C91-C95	Leukemia	12	100.0	0.0	11	100.0	0.0
O&U	Other and unspecified	6	50.0	0.0	7	57.1	0.0
	All sites	**412**	**79.1**	**0.0**	**626**	**81.0**	**0.0**

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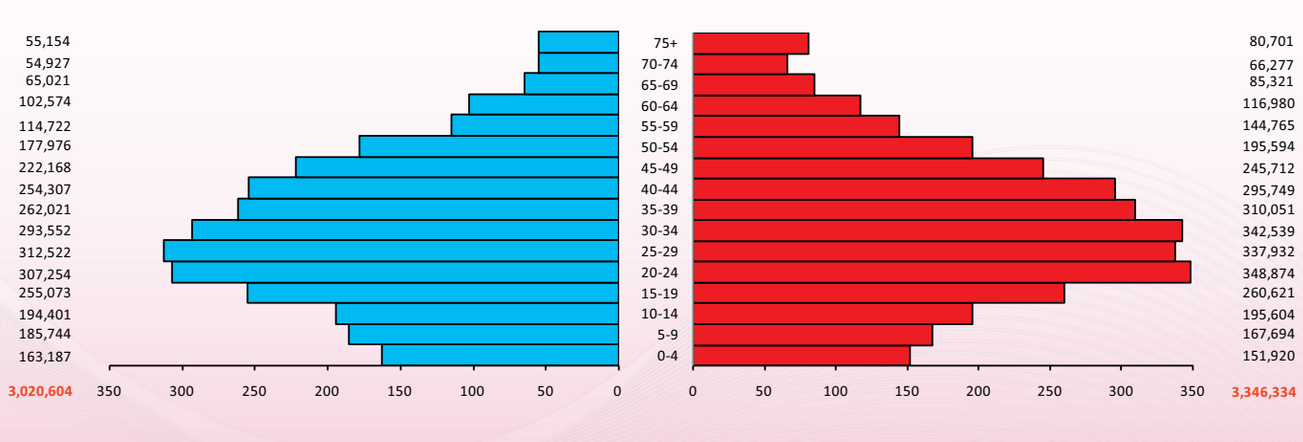
Bangkok Cancer Registry

Registration area

Bangkok Metropolis is the capital of Thailand, located in the central part of the country on the low-flat plain of the Chao Phraya River at latitude 13:45 N and longitude 100:28 E. It is the centre of politics, economy, education, culture and transportation. The climate is tropical, influenced by seasonal monsoons, with long hours of sunshine, high temperature and humidity. Bangkok comprises 50 districts with a total area of 1,569 square kilometers. Bangkok Metropolitan Administration is the sole organization at the local authority level responsible for the well-being of Bangkok residents with some financial support from the central government. Bangkok is the commercial center of Thailand, as well as Southeast Asia, for import and export. Bangkok is moving towards a westernized metropolitan status with a wide range of standards of living. Traffic congestion is a major unsolved problem and cause of air pollution.



Population pyramid, Bangkok, 2005



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Cancer area facilities

In Bangkok, there are 9 excellent government cancer centers of all 12 centers in Thailand, namely the National Cancer Institute, King Chulalongkorn Memorial hospital, Siriraj hospital, Ramathibodi hospital, Phra Mongkutklao hospital, Queen Sirikit National Institute of Child Health, Rajavithi hospital, Vajira hospital and Bhumibhol Adulyadej hospital. Moreover, there are three international private cancer centers; Bangkok hospital, Bumrungrad hospital and Samitivej hospital. From historical data, more than half of patients are treated in government hospitals. Regarding Public Health statistics, Bangkok has the highest level of facilities for general health care. The ratio of population per physician is 793:1, while it is 6,237:1 in other parts of Thailand. The Bangkok cancer registry is an important base for collection of cancer cases and in addition, referring the data of those non-resident patients treated in Bangkok back to other cancer registries.

Registry procedures

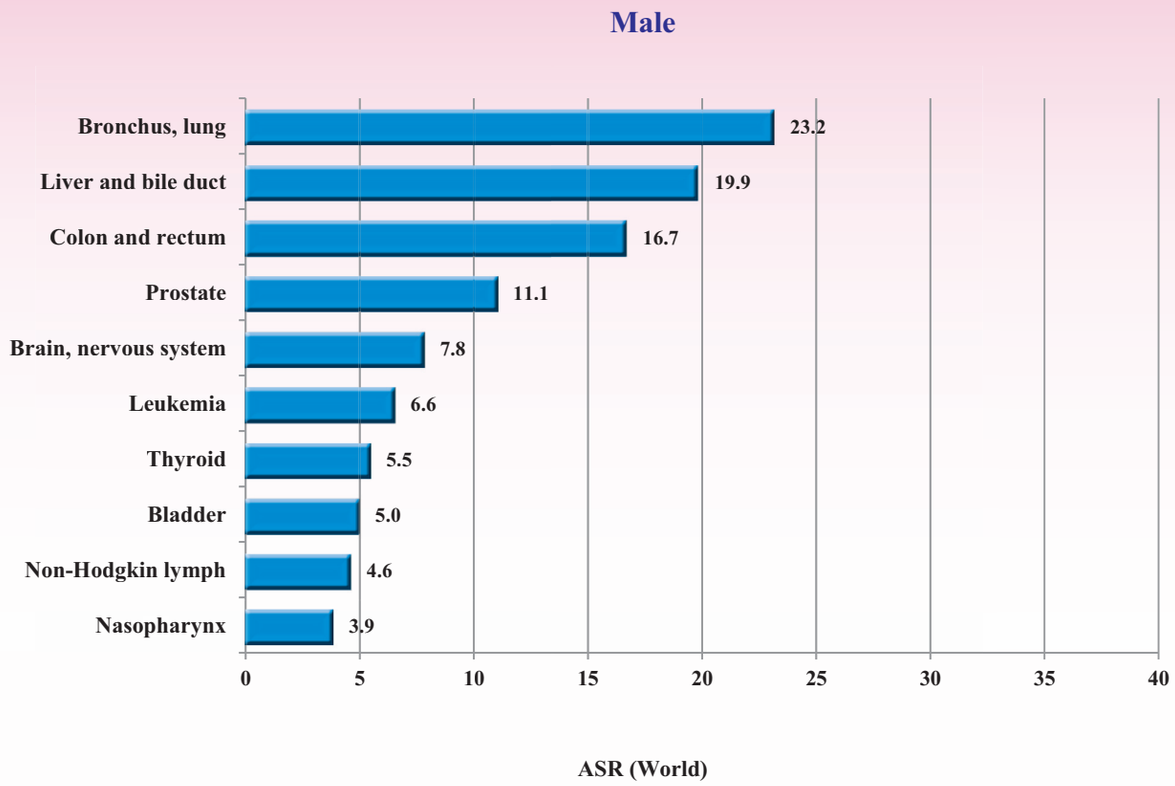
The cancer registry functions as one unit of the National Cancer Institute (NCI). The registry is supported by the government and funded partly by the Cancer Research Foundation of the NCI, which first established a population - based cancer registry for Bangkok Metropolis in 1990. The work began with a retrospective review of records covering the period 1988-1990. Data are collected both actively and passively from the government cancer centers, university, hospital, government hospitals, private hospitals, pathology laboratories and from death certificates. All death certificates are reviewed to match with the incident case records, and efforts are made to trace further information before registering the case as a DCO.

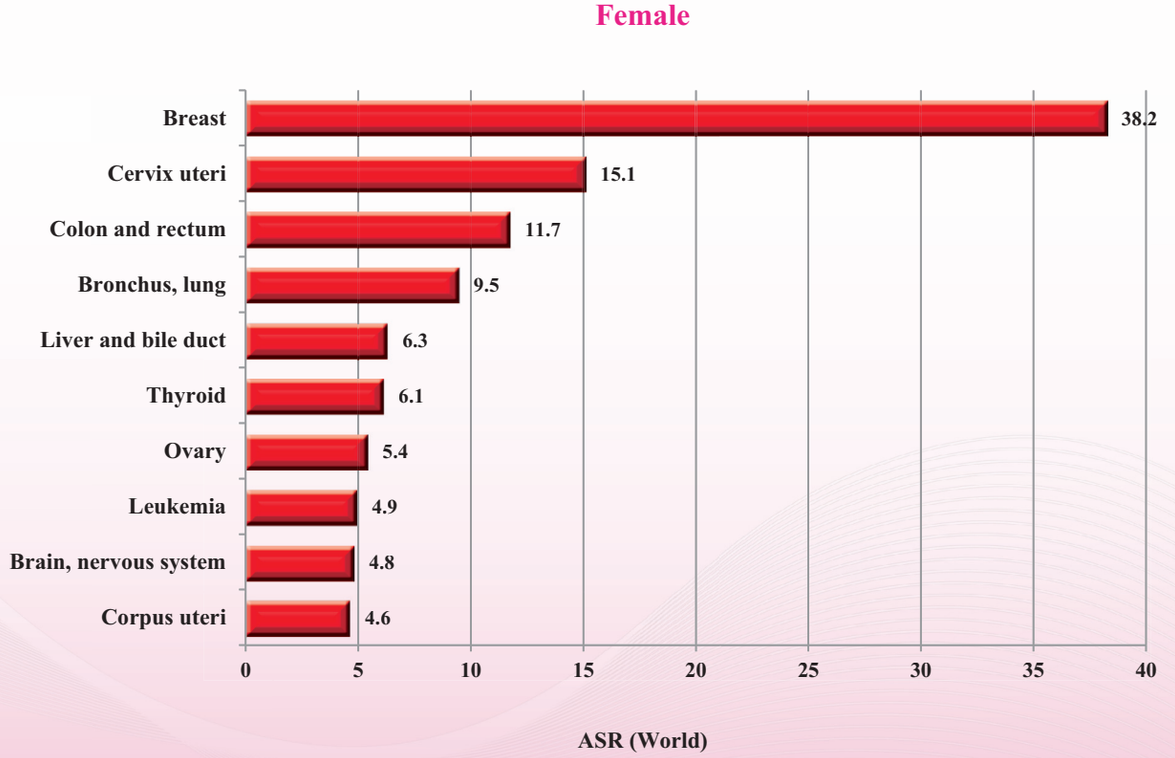
Summary of Results

New cases registered in 2004-2006, 12,566 were males and 15,138 were females, making 27,704 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 147.1 per 100,000, with lung cancer ranking first (ASR = 23.2), followed by liver and bile duct (ASR = 19.9) and colon and rectum (ASR = 16.7). The ASR of all cancers in females was 136.6, the three leading sites being breast (ASR = 38.2), cervix (ASR = 15.1) and colon and rectum (ASR = 11.7).

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Figure 3.12 Leading cancer in Bangkok, 2004-2006





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Cancer in thailand.indd 151

Table 3.13.1 Bangkok (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.2	0.0	0.0	C00
Tongue	158	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.8	4.4	6.4	3.8	5.5	6.2	7.3	11.5	1.7	1.7	C01-02
Mouth	153	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	1.3	1.4	4.7	6.7	2.9	9.7	9.1	21.2	1.7	1.7	C03-06
Salivary glands	35	0.0	0.2	0.2	0.0	0.1	0.3	0.0	0.1	0.1	0.8	0.7	1.7	1.6	0.0	3.0	1.2	0.4	0.4	C07-08
Tonsil	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	2.0	3.0	2.0	1.9	4.1	3.0	7.9	0.8	0.8	C09
Other oropharynx	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	0.3	1.3	1.0	1.2	1.2	0.2	0.2	C10
Nasopharynx	380	0.0	0.0	0.5	0.9	0.5	0.9	1.9	4.3	5.1	9.8	10.3	13.7	9.7	8.2	12.7	19.9	4.2	3.9	C11
Hypopharynx	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.4	2.1	4.4	2.3	4.6	3.0	7.9	0.8	0.9	C12-13
Pharynx unspecified	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	0.9	1.0	0.5	1.8	4.2	0.3	0.3	C14
Esophagus	259	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	4.2	6.7	10.5	7.1	25.1	17.0	29.6	2.9	3.1	C15
Stomach	309	0.0	0.0	0.0	0.0	0.3	0.1	0.9	1.0	2.8	3.2	5.6	9.3	12.7	24.1	21.2	38.7	3.4	3.6	C16
Small intestine	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.5	1.9	1.0	3.0	1.8	0.3	0.3	C17
Colon	954	0.0	0.0	0.0	0.0	0.7	0.5	1.1	3.2	4.6	7.8	14.2	34.3	34.4	72.8	91.0	138.4	10.5	11.3	C18
Rectum	453	0.0	0.0	0.0	0.0	0.1	0.6	1.5	1.9	3.0	5.6	9.7	14.8	26.0	31.3	28.5	40.5	5.0	5.2	C19-20
Anus	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.3	0.0	1.5	1.8	3.0	0.2	0.2	C21
Liver and bile duct	1761	0.2	0.0	0.2	0.0	0.1	1.1	2.0	9.4	14.3	27.6	49.6	75.3	74.4	108.7	112.9	128.1	19.4	19.9	C22,C24
Gallbladder	39	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.4	0.3	0.4	1.2	1.3	2.1	3.0	7.9	0.4	0.5	C23
Pancreas	211	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.4	1.2	2.9	3.7	4.9	9.1	16.4	17.0	31.4	2.3	2.5	C25
Nose, sinuses etc.	58	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.3	0.9	1.7	0.6	1.7	1.6	3.1	0.6	6.0	0.6	0.6	C30-31
Larynx	243	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.8	1.3	2.4	5.4	6.7	13.0	16.4	20.6	30.8	2.7	2.9	C32
Trachea, Bronchus, and lung	1948	0.0	0.0	0.0	0.3	0.8	0.2	1.4	3.9	8.7	20.9	37.3	63.6	69.2	158.4	174.2	279.2	21.5	23.2	C33-34
Other thoracic organs	33	0.0	0.0	0.3	0.0	0.3	0.2	0.5	0.0	0.3	0.6	0.4	1.5	0.6	1.0	2.4	0.6	0.4	0.3	C37-38
Bone	105	0.0	0.5	1.7	2.1	1.0	0.4	0.6	0.8	0.3	1.8	2.6	1.2	1.0	2.1	4.9	3.0	1.2	1.1	C40-C41
Melanoma of skin	50	0.2	0.0	0.2	0.1	0.3	0.3	0.0	0.1	0.5	0.2	2.2	0.9	1.0	2.1	2.4	5.4	0.6	0.6	C43
Other skin	238	0.0	0.0	0.0	0.3	0.2	0.4	0.6	0.6	1.0	1.2	2.1	6.4	9.7	12.3	21.2	49.6	2.6	2.8	C44
Mesothelioma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	119	0.8	0.0	0.2	0.7	0.3	0.3	0.2	1.3	1.3	2.3	2.6	4.1	2.9	6.2	4.9	5.4	1.3	1.3	C47,C49
Breast	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	1.3	1.7	1.0	1.0	0.6	3.0	0.3	0.3	C50
Penis	45	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.6	0.4	1.2	1.9	2.6	2.4	7.9	0.5	0.5	C60
Prostate	877	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.1	1.1	6.2	15.4	39.3	77.4	105.0	201.3	9.7	11.1	C61
Testis	36	0.0	0.0	1.0	0.4	0.9	0.3	0.3	0.3	0.3	0.3	0.0	1.2	0.0	0.0	1.2	0.6	0.4	0.4	C62
Other male genital organs	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	121	0.8	0.0	0.0	0.0	0.1	0.0	0.2	0.6	0.8	2.6	2.4	4.6	4.9	6.2	7.9	10.3	1.3	1.4	C64
Renal pelvis	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.6	0.5	1.2	4.2	0.1	0.2	C65
Ureter	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	1.0	0.0	1.8	0.1	0.1	C66
Bladder	413	0.6	0.0	0.0	0.0	0.1	0.0	0.0	0.3	1.0	3.2	6.4	7.3	14.0	24.1	38.2	100.3	4.6	5.0	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	C68
Eye	22	1.4	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.6	0.0	0.6	2.4	0.2	0.4	C69
Brain, nervous system	665	2.0	2.0	2.7	1.3	1.3	1.2	2.5	3.2	4.1	6.8	11.4	18.9	22.4	43.1	51.6	65.3	7.3	7.8	C70-72
Thyroid	480	0.2	0.2	0.2	0.7	0.4	0.9	0.8	3.1	3.1	5.9	9.6	18.9	18.8	30.2	29.7	50.8	5.3	5.5	C73
Adrenal gland	8	0.4	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	1.2	0.1	0.1	C74
Other endocrine	11	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.4	0.0	0.3	0.0	1.8	0.6	0.1	0.1	C75
Hodgkin disease	39	0.0	0.4	0.3	0.8	0.8	0.1	0.5	0.1	0.5	0.2	0.6	1.2	0.0	0.5	0.0	1.8	0.4	0.4	C81
Non-Hodgkin lymphoma	412	1.4	1.3	1.4	1.3	1.0	2.0	2.0	3.6	3.8	6.5	6.6	9.9	12.7	22.6	18.8	30.8	4.5	4.6	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	41	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.9	0.9	1.5	2.3	2.6	3.6	1.2	0.5	0.5	C90
Lymphoid leukemia	198	4.9	6.8	4.3	2.0	0.8	1.1	0.2	0.5	1.6	1.4	1.5	3.2	4.2	4.1	4.2	3.0	2.2	2.8	C91
Myeloid leukemia	129	0.6	0.5	0.5	0.7	0.7	1.0	1.6	1.4	1.0	1.7	2.2	2.0	4.2	3.6	2.4	7.9	1.4	1.4	C92-94
Leukemia unspecified	186	1.8	3.2	1.2	1.0	0.8	0.4	0.9	0.9	1.0	1.8	1.9	3.5	3.2	9.7	13.4	15.1	2.1	2.3	C95
Other and unspecified	1077	0.0	0.0	0.2	0.1	0.5	0.6	1.1	2.5	5.8	12.5	18.2	35.2	43.2	91.3	88.6	140.2	11.9	12.8	O&U
All sites	**12,566**	**15.5**	**15.6**	**15.4**	**12.7**	**12.6**	**14.1**	**22.8**	**47.8**	**75.9**	**148.7**	**243.1**	**398.9**	**467.6**	**840.2**	**939.4**	**1525.4**	**138.7**	**147.1**	

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Table 3.13.2 Bangkok (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	11	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.2	0.3	0.8	0.0	1.7	0.1	0.1	C00
Tongue	68	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.3	1.0	1.1	1.2	0.9	2.0	2.7	0.0	5.8	0.7	0.6	C01-02
Mouth	74	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.4	0.9	1.2	2.6	3.1	3.5	14.5	0.7	0.7	C03-06
Salivary glands	41	0.0	0.0	0.2	0.3	0.1	0.3	0.3	0.0	0.7	0.3	0.9	0.7	0.9	3.1	0.5	1.2	0.4	0.4	C07-08
Tonsil	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.3	0.5	0.6	0.4	1.5	3.3	0.2	0.2	C09
Other oropharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	C10
Nasopharynx	133	0.0	0.0	0.2	0.0	0.2	0.2	1.0	1.0	2.3	2.0	2.7	3.2	2.3	3.1	4.5	7.8	1.3	1.1	C11
Hypopharynx	7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.8	0.5	0.8	0.1	0.1	C12-13
Pharynx unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.0	0.0	0.4	0.0	0.0	C14
Esophagus	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.5	0.7	1.7	2.3	3.5	6.6	0.4	0.4	C15
Stomach	298	0.0	0.0	0.0	0.0	0.1	0.4	1.0	1.3	2.9	2.6	5.5	7.1	10.0	12.1	13.6	28.9	3.0	2.7	C16
Small intestine	38	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.5	2.1	2.0	1.2	2.0	2.5	0.4	0.4	C17
Colon	889	0.0	0.0	0.0	0.0	0.1	0.5	2.0	2.0	4.3	11.1	14.5	17.0	25.6	46.5	60.4	97.1	8.9	8.2	C18
Rectum	355	0.0	0.0	0.0	0.0	0.2	0.3	0.6	1.3	1.1	4.3	6.8	12.2	12.0	18.0	21.6	27.3	3.5	3.3	C19-20
Anus	25	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.2	0.9	1.7	0.8	0.5	2.1	0.2	0.2	C21
Liver and bile duct	676	0.0	0.0	0.0	0.3	0.1	0.2	1.1	1.8	3.0	6.0	11.8	14.3	24.8	33.6	44.3	74.3	6.7	6.3	C22,C24
Gallbladder	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.7	1.4	2.0	2.3	5.5	9.9	0.6	0.6	C23
Pancreas	186	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.6	1.4	2.0	4.1	6.3	5.9	22.6	23.1	1.9	1.7	C25
Nose, sinuses etc.	32	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.3	0.5	0.1	1.9	1.2	0.0	1.2	0.0	0.4	0.3	0.3	C30-31
Larynx	28	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.3	0.5	0.9	1.2	2.5	3.7	0.3	0.3	C32
Trachea, Bronchus, and lung	1018	0.0	0.0	0.0	0.0	0.3	0.2	0.5	3.5	5.4	10.7	19.3	25.6	33.3	56.3	57.3	102.8	10.1	9.5	C33-34
Other thoracic organs	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.9	0.5	1.4	1.1	0.8	0.5	1.2	0.3	0.3	C37-38
Bone	89	0.2	0.6	1.9	2.2	0.4	0.6	0.5	0.3	0.9	0.5	0.3	1.4	1.7	1.6	1.0	2.9	0.9	0.9	C40-C41
Melanoma of skin	38	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.4	0.5	0.5	0.9	0.5	0.9	1.6	1.0	2.5	0.4	0.3	C43
Other skin	256	0.0	0.2	0.0	0.1	0.1	0.1	0.5	0.4	0.1	1.8	3.1	3.9	7.4	11.3	25.1	36.8	2.6	2.4	C44
Mesothelioma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.4	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	110	0.9	1.2	0.2	0.9	0.4	1.1	0.3	1.0	0.6	1.1	1.7	2.3	1.7	2.3	3.5	5.4	1.1	1.1	C47,C49
Breast	4424	0.0	0.0	0.0	0.0	0.5	3.5	13.9	34.8	67.5	102.3	125.1	143.0	127.9	117.2	113.2	97.1	44.1	38.2	C50
Vulva	22	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.3	0.2	0.2	0.9	0.4	0.5	3.7	0.2	0.2	C51
Vagina	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.5	0.9	0.6	1.2	0.5	3.3	0.3	0.2	C52
Cervix uteri	1724	0.0	0.0	0.0	0.0	0.4	1.3	3.7	14.3	24.8	36.0	45.5	46.5	50.7	60.9	53.3	58.7	17.2	15.1	C53
Corpus uteri	504	0.0	0.0	0.0	0.0	0.1	0.1	0.1	2.2	5.0	8.5	14.3	22.8	18.8	21.9	16.1	15.3	5.0	4.6	C54
Uterus unspecified	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.5	3.2	1.8	1.7	4.3	1.0	2.5	0.7	0.7	C55
Ovary	618	0.0	0.0	0.0	0.0	0.9	1.1	1.5	3.8	6.8	13.3	20.5	22.1	17.1	17.2	14.1	17.3	6.2	5.4	C56
Other female genital	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.6	0.0	0.0	0.0	0.1	0.1	C57
Placenta	12	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C58
Kidney	81	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.3	0.2	0.7	0.5	3.2	2.0	3.1	3.0	10.3	0.8	0.8	C64
Renal pelvis	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.6	0.0	0.5	3.3	0.1	0.1	C65
Ureter	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	C66
Bladder	156	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.6	0.8	1.4	1.6	5.7	5.1	15.1	26.0	1.6	1.4	C67
Other urinary organs	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.5	0.8	0.1	0.1	C68
Eye	17	1.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.3	0.0	0.2	0.0	0.3	0.4	0.0	1.2	0.2	0.2	C69
Brain, nervous system	494	1.3	3.4	2.2	1.0	1.1	0.7	1.1	2.6	2.7	7.5	8.4	11.1	11.4	17.2	24.6	36.3	4.9	4.8	C70-72
Thyroid	709	0.2	0.6	0.0	0.5	1.8	3.6	4.2	5.3	7.4	11.5	13.1	15.0	14.8	21.5	24.6	43.4	7.1	6.1	C73
Adrenal gland	12	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.3	0.7	0.0	0.4	0.5	0.0	0.1	0.1	C74
Other endocrine	9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.2	0.5	0.0	0.0	1.0	0.0	0.1	0.1	C75
Hodgkin disease	22	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.4	0.1	0.1	0.0	0.2	0.3	0.0	2.0	0.4	0.2	0.2	C81
Non-Hodgkin lymphoma	370	0.4	0.0	0.7	0.5	1.0	1.1	1.9	1.9	3.4	4.9	6.8	8.1	8.8	18.0	15.6	21.5	3.7	3.3	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	C88
Multiple myeloma	46	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	1.2	1.4	1.4	3.5	4.0	2.9	0.5	0.4	C90
Lymphoid leukemia	134	3.3	4.2	3.9	1.2	0.7	0.5	0.7	0.6	0.5	0.5	0.5	0.7	1.7	2.0	2.5	4.5	1.3	1.8	C91
Myeloid leukemia	118	0.4	0.8	1.0	0.4	0.5	0.8	1.1	1.0	1.0	2.4	1.4	1.4	2.3	2.3	3.0	3.7	1.2	1.1	C92-94
Leukemia unspecified	195	1.8	1.6	0.7	1.3	0.7	0.7	0.7	1.3	1.4	2.2	1.7	1.8	5.1	6.6	9.1	13.6	1.9	2.0	C95
Other and unspecified	799	0.0	0.2	0.0	0.1	0.3	0.8	1.6	3.5	8.8	7.3	15.7	18.2	25.9	39.1	39.7	67.7	8.0	7.3	O&U
All sites	**15,138**	**10.1**	**12.9**	**11.2**	**9.7**	**11.0**	**19.7**	**39.9**	**87.9**	**157.0**	**248.0**	**337.4**	**405.7**	**441.1**	**555.6**	**621.1**	**898.0**	**150.8**	**136.6**	

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Table 3.13.3 Annual incidence, Bangkok, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	4	0.0	0.0	0.0	0.0	0.0	11	0.1	0.1	0.1	0.0	0.0
C01-02	Tongue	158	1.3	1.7	1.7	0.1	0.2	68	0.4	0.7	0.6	0.0	0.1
C03-06	Mouth	153	1.2	1.7	1.7	0.1	0.2	74	0.5	0.7	0.7	0.0	0.1
C07-08	Salivary glands	35	0.3	0.4	0.4	0.0	0.0	41	0.3	0.4	0.4	0.0	0.0
C09	Tonsil	75	0.6	0.8	0.8	0.0	0.1	25	0.2	0.2	0.2	0.0	0.0
C10	Other oropharynx	17	0.1	0.2	0.2	0.0	0.0	3	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	380	3.0	4.2	3.9	0.3	0.4	133	0.9	1.3	1.1	0.1	0.1
C12-13	Hypopharynx	75	0.6	0.8	0.9	0.1	0.1	7	0.0	0.1	0.1	0.0	0.0
C14	Pharynx unspecified	23	0.2	0.3	0.3	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	259	2.1	2.9	3.1	0.1	0.4	45	0.3	0.4	0.4	0.0	0.0
C16	Stomach	309	2.5	3.4	3.6	0.2	0.4	298	2.0	3.0	2.7	0.2	0.3
C17	Small intestine	29	0.2	0.3	0.3	0.0	0.0	38	0.3	0.4	0.4	0.0	0.0
C18	Colon	954	7.6	10.5	11.3	0.5	1.3	889	5.9	8.9	8.2	0.4	0.9
C19-20	Rectum	453	3.6	5.0	5.2	0.3	0.6	355	2.3	3.5	3.3	0.2	0.4
C21	Anus	16	0.1	0.2	0.2	0.0	0.0	25	0.2	0.2	0.2	0.0	0.0
C22,C24	Liver and bile duct	1761	14.0	19.4	19.9	1.3	2.4	676	4.5	6.7	6.3	0.3	0.7
C23	Gallbladder	39	0.3	0.4	0.5	0.0	0.0	62	0.4	0.6	0.6	0.0	0.1
C25	Pancreas	211	1.7	2.3	2.5	0.1	0.3	186	1.2	1.9	1.7	0.1	0.2
C30-31	Nose, sinuses etc.	58	0.5	0.6	0.6	0.0	0.1	32	0.2	0.3	0.3	0.0	0.0
C32	Larynx	243	1.9	2.7	2.9	0.1	0.3	28	0.2	0.3	0.3	0.0	0.0
C33-34	Trachea, Bronchus, and lung	1948	15.5	21.5	23.2	1.0	2.7	1018	6.7	10.1	9.5	0.5	1.1
C37-38	Other thoracic organs	33	0.3	0.4	0.3	0.0	0.0	30	0.2	0.3	0.3	0.0	0.0
C40-C41	Bone	105	0.8	1.2	1.1	0.1	0.1	89	0.6	0.9	0.9	0.1	0.1
C43	Melanoma of skin	50	0.4	0.6	0.6	0.0	0.1	38	0.3	0.4	0.3	0.0	0.0
C44	Other skin	238	1.9	2.6	2.8	0.1	0.3	256	1.7	2.6	2.4	0.1	0.3
C45	Mesothelioma	3	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	3	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	119	0.9	1.3	1.3	0.1	0.1	110	0.7	1.1	1.1	0.1	0.1
C50	Breast	29	0.2	0.3	0.3	0.0	0.0	4424	29.2	44.1	38.2	3.1	4.2
C51	Vulva							22	0.1	0.2	0.2	0.0	0.0
C52	Vagina							27	0.2	0.3	0.2	0.0	0.0
C53	Cervix uteri							1724	11.4	17.2	15.1	1.1	1.7
C54	Corpus uteri							504	3.3	5.0	4.6	0.4	0.5
C55	Uterus unspecified							72	0.5	0.7	0.7	0.0	0.1
C56	Ovary							618	4.1	6.2	5.4	0.4	0.6
C57	Other female genital							7	0.0	0.1	0.1	0.0	0.0
C58	Placenta							12	0.1	0.1	0.1	0.0	0.0
C60	Penis	45	0.4	0.5	0.5	0.0	0.0						
C61	Prostate	877	7.0	9.7	11.1	0.3	1.2						
C62	Testis	36	0.3	0.4	0.4	0.0	0.0						
C63	Other male genital organs	4	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	121	1.0	1.3	1.4	0.1	0.2	81	0.5	0.8	0.8	0.0	0.1
C65	Renal pelvis	13	0.1	0.1	0.2	0.0	0.0	13	0.1	0.1	0.1	0.0	0.0
C66	Ureter	7	0.1	0.1	0.1	0.0	0.0	2	0.0	0.0	0.0	0.0	0.0
C67	Bladder	413	3.3	4.6	5.0	0.2	0.5	156	1.0	1.6	1.4	0.1	0.2
C68	Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	6	0.0	0.1	0.1	0.0	0.0
C69	Eye	22	0.2	0.2	0.4	0.0	0.0	17	0.1	0.2	0.2	0.0	0.0
C70-72	Brain, nervous system	665	5.3	7.3	7.8	0.4	0.9	494	3.3	4.9	4.8	0.3	0.5
C73	Thyroid	480	3.8	5.3	5.5	0.3	0.6	709	4.7	7.1	6.1	0.4	0.6
C74	Adrenal gland	8	0.1	0.1	0.1	0.0	0.0	12	0.1	0.1	0.1	0.0	0.0
C75	Other endocrine	11	0.1	0.1	0.1	0.0	0.0	9	0.1	0.1	0.1	0.0	0.0
C81	Hodgkin disease	39	0.3	0.4	0.4	0.0	0.0	22	0.1	0.2	0.2	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	412	3.3	4.5	4.6	0.3	0.5	370	2.4	3.7	3.3	0.2	0.4
C88	Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	41	0.3	0.5	0.5	0.0	0.1	46	0.3	0.5	0.4	0.0	0.1
C91	Lymphoid leukemia	198	1.6	2.2	2.8	0.2	0.2	134	0.9	1.3	1.8	0.1	0.1
C92-94	Myeloid leukemia	129	1.0	1.4	1.4	0.1	0.1	118	0.8	1.2	1.1	0.1	0.1
C95	Leukemia unspecified	186	1.5	2.1	2.3	0.1	0.2	195	1.3	1.9	2.0	0.1	0.2
O&U	Other and unspecified	1077	8.6	11.9	12.8	0.6	1.5	799	5.3	8.0	7.3	0.4	0.8
	All sites	**12566**	**100.0**	**138.7**	**147.1**	**7.5**	**16.4**	**15138**	**100.0**	**150.8**	**136.6**	**9.0**	**14.8**

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Table 3.13.4 Percentage of morphologically verified and death certificate only cases, Bangkok, 2004-2006

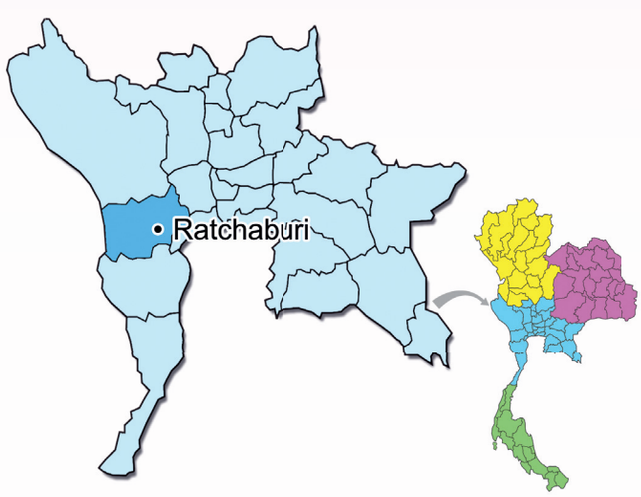
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	350	90.6	2.9	194	91.2	2.1
C09-C10,C14	Oropharynx, etc.	115	91.3	1.7	32	84.4	3.1
C11	Nasopharynx	380	86.6	1.3	133	88.0	0.8
C12-C13	Hypopharynx	75	96.0	0.0	7	100.0	0.0
C15	Esophagus	259	83.8	5.0	45	77.8	2.2
C16	Stomach	309	90.6	2.9	298	87.9	6.4
C17	Small intestine	29	89.7	10.3	38	94.7	5.3
C18-C21	Colon and rectum	1423	87.1	1.6	1269	89.2	1.6
C22,C24	Liver and bile duct	1761	33.9	11.0	676	36.8	8.3
C23	Gallbladder	39	46.2	5.1	62	51.6	19.4
C25	Pancreas	211	61.1	7.6	186	64.5	7.5
C30-C31	Nose, sinuses etc.	58	93.1	3.4	32	93.8	0.0
C32	Larynx	243	87.7	3.7	28	78.6	3.6
C33-C34	Trachea, bronchus and lung	1948	53.1	8.0	1018	55.6	7.0
C37-C38	Other thoracic organs	33	97.0	0.0	30	96.7	3.3
C40-C41	Bone	105	73.3	16.2	89	77.5	19.1
C43	Melanoma of skin	50	100.0	0.0	38	100.0	0.0
C44	Other skin	238	95.8	2.1	256	96.9	0.8
C45	Mesothelioma	3	100.0	0.0	3	100.0	0.0
C46	Kaposi sarcoma	3	100.0	0.0	0	-	-
C47,C49	Connective and soft tissue	119	88.2	7.6	110	91.8	4.5
C50	Breast	29	96.6	0.0	4424	93.3	2.0
C51	Vulva				22	81.8	0.0
C52	Vagina				27	96.3	0.0
C53	Cervix uteri				1724	87.4	5.7
C54	Corpus uteri				504	94.2	1.8
C55	Uterus unspecified				72	52.8	45.8
C56	Ovary				618	84.1	8.9
C51,C52,C57	Other female genital				7	85.7	0.0
C58	Placenta				12	91.7	0.0
C60	Penis	45	75.6	2.2			
C61	Prostate	877	89.6	4.4			
C62	Testis	36	86.1	5.6			
C63	Other male genital organs	4	100.0	0.0			
C64	Kidney	121	86.0	13.2	81	77.8	21.0
C65	Renal pelvis	13	100.0	0.0	13	100.0	0.0
C66	Ureter	7	71.4	28.6	2	100.0	0.0
C67	Bladder	413	91.8	3.1	156	91.7	2.6
C68	Other urinary organs	1	100.0	0.0	6	66.7	16.7
C69	Eye	22	95.5	4.5	17	88.2	5.9
C70-C72	Brain, nervous system	665	26.3	25.1	494	32.2	26.7
C73	Thyroid	480	52.9	45.6	709	70.8	25.4
C74	Adrenal gland	8	87.5	12.5	12	100.0	0.0
C75	Other endocrine	11	27.3	0.0	9	66.7	0.0
C81	Hodgkin's disease	39	100.0	0.0	22	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	412	97.6	2.4	370	97.8	2.2
C88	Immunoproliferative diseases	1	100.0	0.0	1	100.0	0.0
C90	Multiple myeloma	41	100.0	0.0	46	100.0	0.0
C91-C95	Leukemia	513	96.9	3.1	447	97.3	2.7
O&U	Other and unspecified	1077	90.6	4.1	799	89.7	4.8
	All sites	**12566**	**71.1**	**8.0**	**15138**	**82.8**	**6.0**

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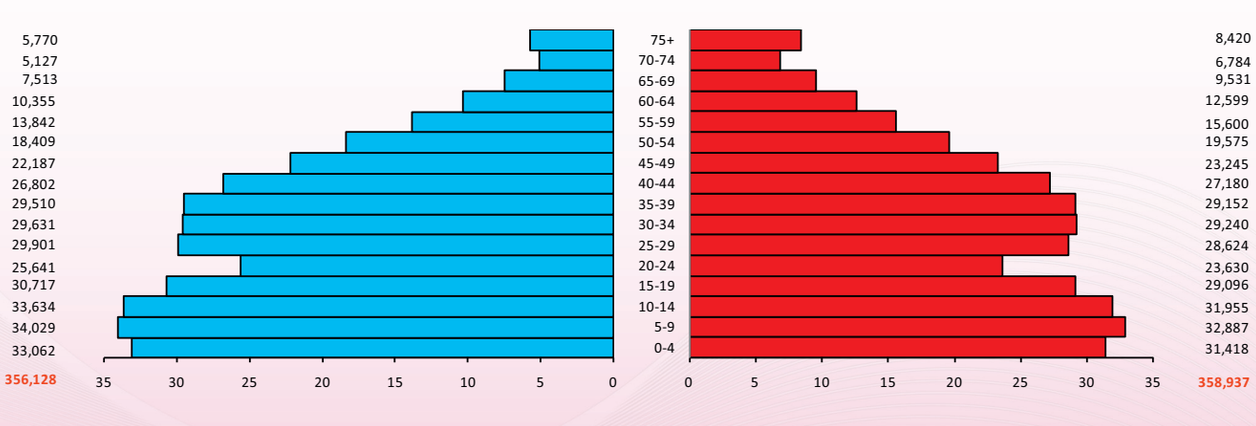
Ratchaburi Cancer Registry

Registration area

Ratchaburi, one of the central provinces of Thailand, covers 5200 km² at a latitude 13 : 32 N and longitude 99 : 49 E. It is located 100 kilometers west of Bangkok and borders Burma to the west with the Tanaosi Range as a national border. The estimated population in the year 2005 was 14,190THIS IS A MISTAKE?, 1.1 % are members of hill tribes.



Population pyramid, Ratchaburi, 2005



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Cancer Care facilities

Ratchaburi Cancer Registry in under the supervision of the National Cancer Institute. Ratchaburi provincial hospital is a general hospital. Cancer surgery and chemotherapy services are provided at Ratchaburi provincial hospital and private hospitals. The cancer patients are referred for radiotherapy to other hospitals in Bangkok.

Registry procedures

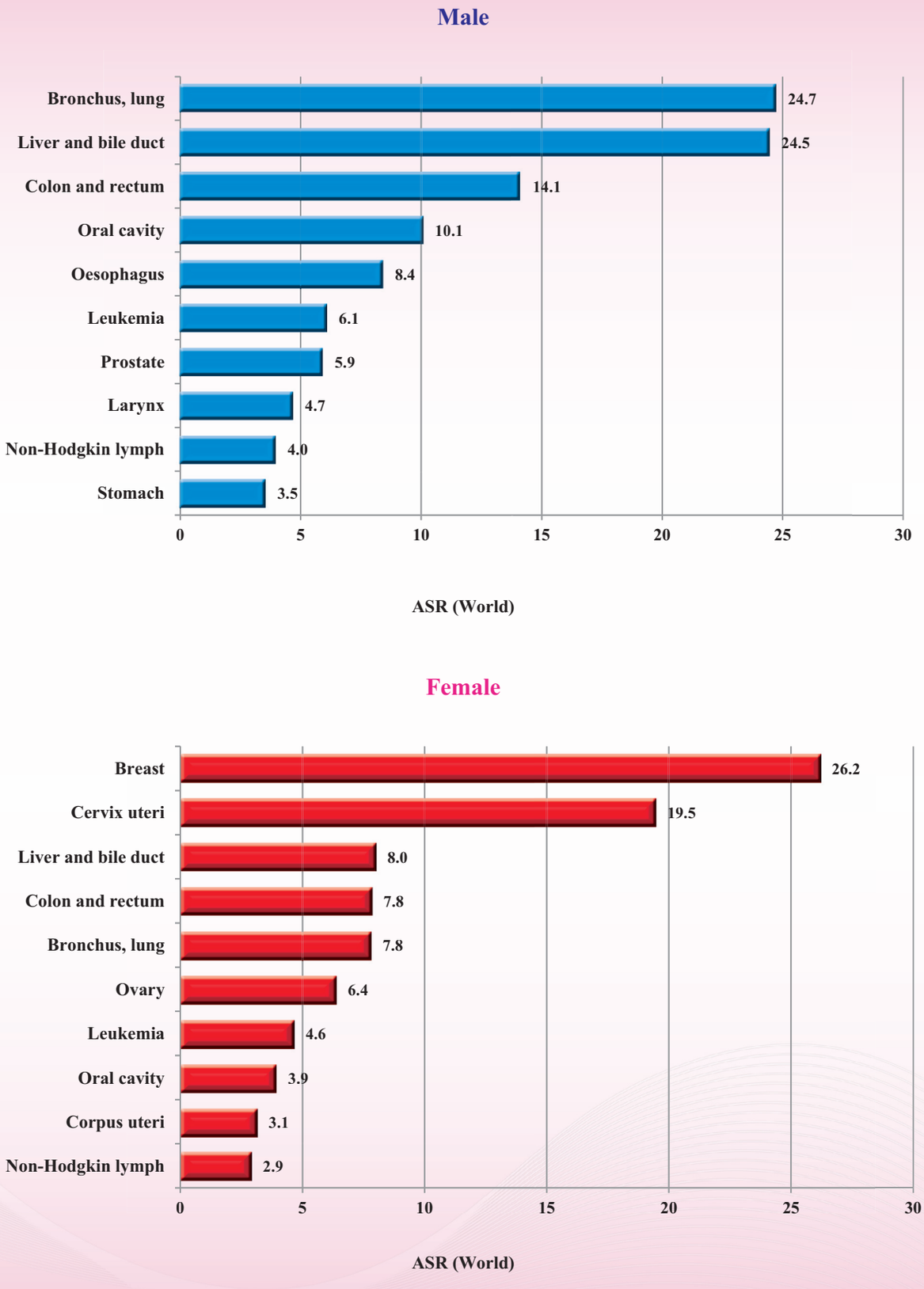
The population-based cancer registry Ratchaburi province was set up at the National Cancer Institute, Bangkok in 2000. The source of information comes from all hospitals in Ratchaburi province and Bangkok cancer registry. Cancer cases are collected from the medical records department, outpatient clinics, pathology laboratories, clinical laboratories and death certificates. All data are checked for duplication, verified, coded and keyed into The Thai Cancer Base Programme and IARC/IACR Cancer Registry tools programme.

Summary of Results

New cases registered in 2004-2006, 1,887 were males and 1,829 were females, making 3,716 for both sexes. The age - standardized incidence rate (ASR) of all sites in males was 150.3 per 100,000, with lung cancer ranking first (ASR = 24.7), followed by liver and bile duct (ASR = 24.5) and colon and rectum (ASR = 14.2). The ASR of all cancers in females was 118.6, the three leading sites being breast (ASR = 26.2), cervix (ASR = 19.5) and liver and bile duct (ASR = 8.0).

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Figure 3.13 Leading cancer in Ratchaburi, 2004-2006



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Table 3.14.1 Ratchaburi (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.1	0.1	C00
Tongue	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	9.9	7.7	17.3	30.8	22.4	28.6	45.1	5.6	5.3	C01-02
Mouth	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.5	13.9	11.5	14.2	44.7	12.3	31.2	4.2	4.1	C03-06
Salivary glands	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.5	1.9	2.4	3.2	0.0	6.9	0.6	0.5	C07-08
Tonsil	27	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	2.2	1.2	9.3	1.9	11.8	12.8	8.2	17.4	2.3	2.2	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	45	0.0	0.0	0.0	0.0	2.2	0.0	1.0	6.0	2.2	9.9	9.3	11.5	11.8	6.4	4.1	20.8	3.8	3.4	C11
Hypopharynx	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.1	5.8	7.1	3.2	16.3	31.2	1.9	1.8	C12-13
Pharynx unspecified	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.5	1.5	0.0	4.7	3.2	0.0	10.4	0.8	0.8	C14
Esophagus	104	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.2	6.2	20.1	23.1	26.0	60.7	77.6	69.4	8.8	8.4	C15
Stomach	45	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	5.0	6.2	7.7	9.5	19.2	24.5	52.1	3.8	3.5	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.1	0.1	C17
Colon	115	0.0	0.0	0.0	0.0	0.0	4.2	1.0	2.0	6.5	13.6	12.4	26.9	21.3	44.7	69.4	100.7	9.7	9.0	C18
Rectum	62	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.1	3.7	7.7	9.6	21.3	25.6	53.1	52.1	5.2	5.0	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.1	0.0	0.2	0.2	C21
Liver and bile duct	308	0.0	0.0	0.0	0.0	0.0	1.0	4.1	8.0	24.9	31.0	57.2	78.9	106.5	115.0	151.1	177.0	26.0	24.5	C22,C24
Gallbladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.8	4.7	6.4	4.1	0.0	0.7	0.7	C23
Pancreas	31	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	4.6	3.8	11.8	9.6	24.5	34.7	2.6	2.5	C25
Nose, sinuses etc.	7	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.5	0.0	4.7	3.2	4.1	0.0	0.6	0.6	C30-31
Larynx	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.2	3.7	13.9	13.5	18.9	35.1	20.4	34.7	4.9	4.7	C32
Trachea, Bronchus, and lung	312	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	13.0	12.4	38.7	40.4	87.6	140.5	220.5	361.0	26.4	24.7	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	4.1	0.0	0.2	0.2	C37-38
Bone	19	0.0	0.0	0.0	0.0	1.1	2.1	2.1	0.0	1.1	0.0	3.1	3.8	2.4	9.6	16.3	3.5	1.6	1.5	C40-C41
Melanoma of skin	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.5	0.2	0.2	C43
Other skin	35	1.1	1.0	0.0	0.0	0.0	0.0	0.0	2.0	1.1	1.2	3.1	5.8	4.7	16.0	12.3	48.6	3.0	2.8	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	9	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.9	2.4	6.4	0.0	6.9	0.8	0.8	C47,C49
Breast	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C50
Penis	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.3	1.2	4.6	1.9	0.0	6.4	4.1	20.8	1.6	1.4	C60
Prostate	76	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.5	0.0	7.7	9.5	38.3	65.3	128.4	6.4	5.9	C61
Testis	4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	10	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	3.2	16.3	10.4	0.8	0.8	C64
Renal pelvis	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.5	0.2	0.2	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.1	0.1	C66
Bladder	42	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.1	0.0	1.5	0.0	16.6	22.4	40.8	48.6	3.6	3.4	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C69
Brain, nervous system	41	0.0	1.0	3.1	3.0	0.0	2.1	3.1	2.0	3.2	2.5	1.5	5.8	11.8	16.0	20.4	10.4	3.5	3.3	C70-72
Thyroid	7	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.5	1.5	0.0	2.4	0.0	0.0	6.9	0.6	0.5	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	4	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.2	0.0	1.9	0.0	0.0	0.0	0.0	0.3	0.3	C81
Non-Hodgkin lymphoma	50	0.0	1.0	0.0	0.0	1.1	3.1	3.1	4.0	1.1	3.7	9.3	7.7	4.7	28.7	28.6	20.8	4.2	4.0	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	10	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.2	3.1	3.8	2.4	3.2	0.0	6.9	0.8	0.8	C90
Lymphoid leukemia	30	1.1	6.2	3.1	1.0	2.2	1.0	1.0	0.0	2.2	1.2	0.0	0.0	2.4	3.2	16.3	20.8	2.5	2.6	C91
Myeloid leukemia	15	0.0	0.0	2.1	0.0	0.0	1.0	1.0	1.0	1.1	2.5	1.5	1.9	4.7	0.0	4.1	6.9	1.3	1.2	C92-94
Leukemia unspecified	28	1.1	0.0	1.0	4.0	0.0	1.0	1.0	1.0	2.2	1.2	3.1	0.0	7.1	16.0	4.1	17.4	2.4	2.3	C95
Other and unspecified	197	0.0	0.0	0.0	2.0	1.1	2.1	8.3	11.1	16.2	13.6	23.2	44.3	40.2	92.6	122.5	114.6	16.7	15.4	O&U
All sites	**1,887**	**4.6**	**10.3**	**13.4**	**13.0**	**8.7**	**20.8**	**33.1**	**52.3**	**98.5**	**137.5**	**269.1**	**346.5**	**509.0**	**824.0**	**1086.4**	**1527.5**	**159.5**	**150.3**	

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Table 3.14.2 Ratchaburi (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	6.3	8.7	0.6	0.4	C00
Tongue	25	1.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.9	2.2	1.4	8.4	8.2	0.0	9.4	10.8	2.0	1.7	C01-02
Mouth	25	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	0.0	2.1	7.7	12.5	30.3	2.0	1.4	C03-06
Salivary glands	6	0.0	0.0	2.2	0.0	0.0	1.0	1.9	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	C07-08
Tonsil	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.7	2.1	0.0	0.0	0.0	0.3	0.3	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	18	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.8	1.9	3.3	2.7	1.7	4.1	5.1	0.0	2.2	1.4	1.2	C11
Hypopharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	4.3	0.2	0.2	C12-13
Pharynx unspecified	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	2.2	0.2	0.1	C14
Esophagus	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.4	2.7	1.7	6.2	5.1	9.4	19.5	2.0	1.5	C15
Stomach	29	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	1.9	1.1	5.4	3.4	0.0	2.6	25.1	17.3	2.3	1.7	C16
Small intestine	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	1.4	0.0	0.0	2.6	0.0	0.0	0.2	0.2	C17
Colon	77	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	3.8	5.5	10.8	8.4	16.4	28.2	37.6	47.6	6.2	4.8	C18
Rectum	46	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.8	3.3	6.8	16.8	10.3	5.1	18.8	21.7	3.7	2.9	C19-20
Anus	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.7	0.0	2.6	0.0	0.0	0.2	0.2	C21
Liver and bile duct	125	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.8	6.7	8.8	16.2	28.5	22.6	51.2	69.0	47.6	10.0	8.0	C22,C24
Gallbladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	7.7	3.1	6.5	0.6	0.5	C23
Pancreas	22	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	2.2	1.4	6.7	6.2	0.0	15.7	10.8	1.8	1.4	C25
Nose, sinuses etc.	8	1.2	0.0	1.1	0.0	0.0	0.0	1.0	0.0	1.9	1.1	0.0	1.7	0.0	0.0	0.0	2.2	0.6	0.6	C30-31
Larynx	4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	6.3	0.0	0.3	0.3	C32
Trachea, Bronchus, and lung	129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	4.8	8.8	16.2	23.5	26.7	35.8	47.1	91.0	10.3	7.8	C33-34
Other thoracic organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.1	0.1	C37-38
Bone	8	0.0	0.0	0.0	1.1	0.0	1.0	0.0	0.0	0.0	1.1	1.4	0.0	4.1	0.0	0.0	4.3	0.6	0.6	C40-C41
Melanoma of skin	6	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	1.4	0.0	0.0	0.0	0.0	4.3	0.5	0.4	C43
Other skin	27	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.9	2.9	2.2	4.1	1.7	6.2	5.1	3.1	19.5	2.2	1.6	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	5	1.2	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.4	0.4	C47,C49
Breast	401	0.0	0.0	0.0	0.0	0.0	4.2	6.7	26.1	69.0	75.6	77.2	87.2	69.8	92.1	78.4	36.8	32.0	26.2	C50
Vulva	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.7	0.0	0.0	0.0	0.0	0.2	0.1	C51
Vagina	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C52
Cervix uteri	300	1.2	0.0	0.0	0.0	0.0	0.0	6.7	26.1	35.4	40.6	58.2	65.4	71.8	58.9	72.1	58.5	24.0	19.5	C53
Corpus uteri	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.8	12.2	13.4	16.4	12.8	3.1	6.5	3.6	3.1	C54
Uterus unspecified	13	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.9	0.0	2.2	1.4	3.4	4.1	2.6	3.1	4.3	1.0	0.9	C55
Ovary	94	0.0	1.1	1.1	3.2	2.3	3.1	0.0	6.5	6.7	17.5	16.2	23.5	20.5	17.9	12.5	15.2	7.5	6.4	C56
Other female genital	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C57
Placenta	4	0.0	0.0	0.0	1.1	1.1	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C58
Kidney	12	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	1.7	6.2	2.6	0.0	6.5	1.0	0.9	C64
Renal pelvis	3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	2.2	0.2	0.2	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.1	0.1	C66
Bladder	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	10.3	5.1	12.5	8.7	1.3	1.1	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C69
Brain, nervous system	30	1.2	0.0	1.1	2.1	0.0	1.0	1.0	1.9	2.9	3.3	1.4	1.7	6.2	7.7	9.4	10.8	2.4	2.1	C70-72
Thyroid	34	1.2	1.1	0.0	1.1	0.0	3.1	3.8	4.7	2.9	6.6	2.7	0.0	6.2	2.6	9.4	2.2	2.7	2.4	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.1	0.0	C75
Hodgkin disease	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	46	0.0	0.0	0.0	0.0	1.1	2.1	2.9	3.7	1.9	1.1	5.4	1.7	6.2	23.0	15.7	23.8	3.7	2.9	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.1	0.0	0.0	4.3	0.4	0.3	C90
Lymphoid leukemia	28	1.2	7.7	2.2	0.0	1.1	2.1	1.0	0.0	1.9	1.1	1.4	1.7	4.1	2.6	6.3	8.7	2.2	2.3	C91
Myeloid leukemia	13	0.0	0.0	1.1	2.1	0.0	1.0	1.0	0.9	1.0	1.1	4.1	0.0	0.0	2.6	3.1	0.0	1.0	1.0	C92-94
Leukemia unspecified	20	1.2	0.0	0.0	1.1	2.3	0.0	1.0	0.0	0.0	1.1	4.1	3.4	6.2	2.6	0.0	10.8	1.6	1.4	C95
Other and unspecified	142	0.0	1.1	0.0	1.1	0.0	1.0	1.0	2.8	7.7	13.2	23.0	31.8	28.7	46.1	34.5	78.0	11.3	9.0	O&U
All sites	**1,829**	**12.1**	**13.1**	**9.7**	**12.8**	**9.0**	**24.0**	**41.3**	**88.5**	**171.5**	**221.5**	**288.4**	**350.3**	**375.4**	**437.7**	**527.0**	**632.4**	**146.1**	**118.6**	

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Table 3.14.3 Annual incidence, Ratchaburi, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	1	0.1	0.1	0.1	0.0	0.0	7	0.4	0.6	0.4	0.0	0.0
C01-02	Tongue	66	3.5	5.6	5.3	0.4	0.6	25	1.4	2.0	1.7	0.1	0.2
C03-06	Mouth	50	2.6	4.2	4.1	0.2	0.5	25	1.4	2.0	1.4	0.0	0.1
C07-08	Salivary glands	7	0.4	0.6	0.5	0.0	0.1	6	0.3	0.5	0.5	0.0	0.0
C09	Tonsil	27	1.4	2.3	2.2	0.1	0.2	4	0.2	0.3	0.3	0.0	0.0
C10	Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	45	2.4	3.8	3.4	0.3	0.3	18	1.0	1.4	1.2	0.1	0.1
C12-13	Hypopharynx	23	1.2	1.9	1.8	0.1	0.2	3	0.2	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	10	0.5	0.8	0.8	0.0	0.1	2	0.1	0.2	0.1	0.0	0.0
C15	Esophagus	104	5.5	8.8	8.4	0.4	1.1	25	1.4	2.0	1.5	0.1	0.2
C16	Stomach	45	2.4	3.8	3.5	0.2	0.4	29	1.6	2.3	1.7	0.1	0.2
C17	Small intestine	1	0.1	0.1	0.1	0.0	0.0	3	0.2	0.2	0.2	0.0	0.0
C18	Colon	115	6.1	9.7	9.0	0.4	1.0	77	4.2	6.2	4.8	0.2	0.6
C19-20	Rectum	62	3.3	5.2	5.0	0.2	0.6	46	2.5	3.7	2.9	0.2	0.3
C21	Anus	2	0.1	0.2	0.2	0.0	0.0	3	0.2	0.2	0.2	0.0	0.0
C22,C24	Liver and bile duct	308	16.3	26.0	24.5	1.6	2.9	125	6.8	10.0	8.0	0.4	1.0
C23	Gallbladder	8	0.4	0.7	0.7	0.1	0.1	8	0.4	0.6	0.5	0.0	0.1
C25	Pancreas	31	1.6	2.6	2.5	0.1	0.3	22	1.2	1.8	1.4	0.1	0.2
C30-31	Nose, sinuses etc.	7	0.4	0.6	0.6	0.0	0.1	8	0.4	0.6	0.6	0.0	0.0
C32	Larynx	58	3.1	4.9	4.7	0.3	0.6	4	0.2	0.3	0.3	0.0	0.0
C33-34	Trachea, Bronchus, and lung	312	16.5	26.4	24.7	1.0	2.8	129	7.1	10.3	7.8	0.4	0.8
C37-38	Other thoracic organs	2	0.1	0.2	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C40-C41	Bone	19	1.0	1.6	1.5	0.1	0.2	8	0.4	0.6	0.6	0.0	0.0
C43	Melanoma of skin	2	0.1	0.2	0.2	0.0	0.0	6	0.3	0.5	0.4	0.0	0.0
C44	Other skin	35	1.9	3.0	2.8	0.1	0.2	27	1.5	2.2	1.6	0.1	0.1
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	9	0.5	0.8	0.8	0.0	0.1	5	0.3	0.4	0.4	0.0	0.0
C50	Breast	0	0.0	0.0	0.0	0.0	0.0	401	21.9	32.0	26.2	2.1	2.9
C51	Vulva							2	0.1	0.2	0.1	0.0	0.0
C52	Vagina							0	0.0	0.0	0.0	0.0	0.0
C53	Cervix uteri							300	16.4	24.0	19.5	1.5	2.2
C54	Corpus uteri							45	2.5	3.6	3.1	0.3	0.3
C55	Uterus unspecified							13	0.7	1.0	0.9	0.1	0.1
C56	Ovary							94	5.1	7.5	6.4	0.5	0.7
C57	Other female genital							1	0.1	0.1	0.1	0.0	0.0
C58	Placenta							4	0.2	0.3	0.3	0.0	0.0
C60	Penis	19	1.0	1.6	1.4	0.1	0.1						
C61	Prostate	76	4.0	6.4	5.9	0.1	0.6						
C62	Testis	4	0.2	0.3	0.3	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	10	0.5	0.8	0.8	0.0	0.1	12	0.7	1.0	0.9	0.1	0.1
C65	Renal pelvis	2	0.1	0.2	0.2	0.0	0.0	3	0.2	0.2	0.2	0.0	0.0
C66	Ureter	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C67	Bladder	42	2.2	3.6	3.4	0.1	0.4	16	0.9	1.3	1.1	0.1	0.1
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C70-72	Brain, nervous system	41	2.2	3.5	3.3	0.2	0.4	30	1.6	2.4	2.1	0.1	0.2
C73	Thyroid	7	0.4	0.6	0.5	0.0	0.0	34	1.9	2.7	2.4	0.2	0.2
C74	Adrenal gland	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.0	0.0	0.0
C81	Hodgkin disease	4	0.2	0.3	0.3	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	50	2.6	4.2	4.0	0.2	0.5	46	2.5	3.7	2.9	0.1	0.3
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	10	0.5	0.8	0.8	0.1	0.1	5	0.3	0.4	0.3	0.0	0.0
C91	Lymphoid leukemia	30	1.6	2.5	2.6	0.1	0.2	28	1.5	2.2	2.3	0.1	0.2
C92-94	Myeloid leukemia	15	0.8	1.3	1.2	0.1	0.1	13	0.7	1.0	1.0	0.1	0.1
C95	Leukemia unspecified	28	1.5	2.4	2.3	0.1	0.2	20	1.1	1.6	1.4	0.1	0.1
O&U	Other and unspecified	197	10.4	16.7	15.4	0.8	1.9	142	7.8	11.3	9.0	0.6	1.0
	All sites	**1887**	**100.0**	**159.5**	**150.3**	**7.6**	**17.1**	**1829**	**100.0**	**146.1**	**118.6**	**8.1**	**12.9**

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Table 3.14.4 Percentage of morphologically verified and death certificate only cases, Ratchaburi, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	124	80.6	2.4	63	69.8	4.8
C09-C10,C14	Oropharynx, etc.	37	83.8	10.8	6	66.7	33.3
C11	Nasopharynx	45	64.4	0.0	18	55.6	5.6
C12-C13	Hypopharynx	23	82.6	0.0	3	100.0	0.0
C15	Esophagus	104	50.0	1.9	25	52.0	0.0
C16	Stomach	45	68.9	4.4	29	31.0	6.9
C17	Small intestine	1	100.0	0.0	3	33.3	33.3
C18-C21	Colon and rectum	179	64.2	2.2	126	65.9	0.8
C22,C24	Liver and bile duct	308	13.0	9.1	125	13.6	9.6
C23	Gallbladder	8	12.5	62.5	8	12.5	50.0
C25	Pancreas	31	9.7	6.5	22	9.1	4.5
C30-C31	Nose, sinuses etc.	7	71.4	0.0	8	87.5	0.0
C32	Larynx	58	62.1	13.8	4	50.0	0.0
C33-C34	Trachea, bronchus and lung	312	21.2	18.9	129	33.3	21.7
C37-C38	Other thoracic organs	2	100.0	0.0	1	100.0	0.0
C40-C41	Bone	17	17.6	64.7	8	37.5	50.0
C43	Melanoma of skin	2	100.0	0.0	6	100.0	0.0
C44	Other skin	35	74.3	8.6	27	74.1	11.1
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	11	72.7	9.1	5	60.0	20.0
C50	Breast	0	-	-	401	79.3	3.5
C51	Vulva				2	50.0	0.0
C52	Vagina				0	-	-
C53	Cervix uteri				300	73.0	2.7
C54	Corpus uteri				45	91.1	0.0
C55	Uterus unspecified				13	7.7	30.8
C56	Ovary				94	71.3	5.3
C51,C52,C57	Other female genital				1	100.0	0.0
C58	Placenta				4	75.0	0.0
C60	Penis	19	84.2	0.0			
C61	Prostate	76	38.2	15.8			
C62	Testis	4	100.0	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	10	100.0	0.0	12	33.3	66.7
C65	Renal pelvis	2	100.0	0.0	3	66.7	0.0
C66	Ureter	1	0.0	100.0	1	0.0	100.0
C67	Bladder	42	45.2	16.7	16	56.3	6.3
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	1	0.0	100.0	1	100.0	0.0
C70-C72	Brain, nervous system	41	63.4	24.4	30	60.0	16.7
C73	Thyroid	7	100.0	0.0	34	100.0	0.0
C74	Adrenal gland	1	0.0	0.0	0	-	-
C75	Other endocrine	0	-	-	1	0.0	0.0
C81	Hodgkin's disease	4	100.0	0.0	1	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	50	100.0	0.0	46	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	10	100.0	0.0	5	100.0	0.0
C91-C95	Leukemia	73	100.0	0.0	61	100.0	0.0
O&U	Other and unspecified	197	13.2	14.7	142	15.5	9.2
	All sites	**1887**	**44.8**	**10.2**	**1829**	**61.6**	**6.7**

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Chon Buri Cancer Registry

Registration area

Chon Buri is situated in the eastern part of Thailand, between 12:13 N and 100:102 E, 80 kilometers from Bangkok by car or bus and train, with land area 4,363 square kilometers and is bounded in the north by Chachoengsao, in the east by Chanthaburi, in the south by Rayong and in the west by the bank of Gulf of Thailand.

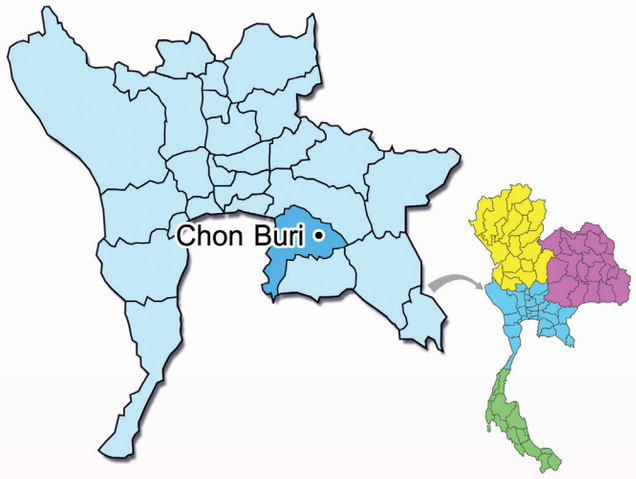
The central part of the province is predominantly mountainous stretching from north-west to south-east, about 200 meters above the sea level. The climate is hot and dry the highest temperature about 42 °C in summer from March to May, in winter from November to February, rainy season started from June to October. The average total rainfall is 1,342.2 millimeters per year.

At the time of census, in April 2000, Chon Buri was divided into 10 districts, 1 subdistrict, 92 communes (Tambon), 692 villages and 26 municipal areas. The districts of Chon Buri were: Muang Chon Buri, Sri Racha, Ban Bung, Nong Yai, Bang Lamung, Sattahip, Phan Thong, Phanat Nikhom, Bo Thong, Ko Sichang and subdistrict Ko Chan.

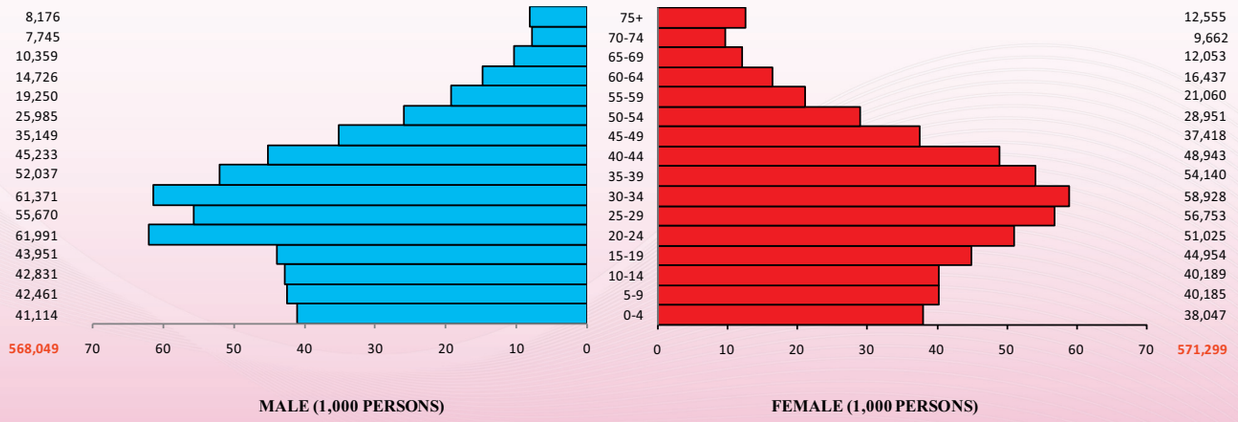
The population census was carried out every ten years. The total population at 2002 census was 1,078,181 with 537,422 males and 540,759 females about 33% of total population of the eastern part of Thailand 96.9% are Buddhism, 99.4% are Thai nationality. About 54% lived in municipal area, the rest (46%) in non municipal area (Population and Housing Census 2000). The average population density is about 247 persons per square kilometer. The highest population density was 1,100 persons per square kilometer in Muang Chon Buri district. The lowest population density was 54 persons per square kilometer in Nong Yai.

The most important occupations are farming of rice, sugar beans, fishing and shrimp farming. The Industrial Estate Authority of Eastern part of Thailand is situated in this area especially in Chon Buri, Rayong and Chanthaburi. In Chon Buri there are 2,271 factories, 410 in the Industrial Estate Authority and 1,861 out of the region, about 290,160 workers.

Nowadays, it is becoming appreciated for its tourism potential, especially Bang Saen, Ko si chang, Pattaya, Jomtien beach with its splendid beaches, crystal clear water, off-shore islands, aquatic marine life, and unspoiled vistas. While inland, verdant forestlands and cascading waterfalls create a lush, tropical atmosphere.



Population pyramid, Chon Buri, 2005



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Cancer care facilities

The total number of hospitals in Chon Buri province was 26 hospitals composed of 12 community hospitals, 8 private hospitals and 1 provincial hospital, 3 military hospitals and university hospital providing 4745 total beds. Cancer diagnostic services including radiological diagnosis equipment such as: X-ray, ultrasound, computed radiography, mammogram, CT scan and pathological investigations are available in Chon Buri provincial hospital, private hospitals and Chon Buri cancer center. Cancer treatment, radiotherapy equipments: one simulator, cobalt-60 machine, linear accelerator and remote after-loading devices for brachytherapy are available at the Chon Buri cancer center. Cancer surgery and cancer chemotherapy service are provided in Chon Buri cancer center, provincial hospital and private hospitals.

Registry procedures

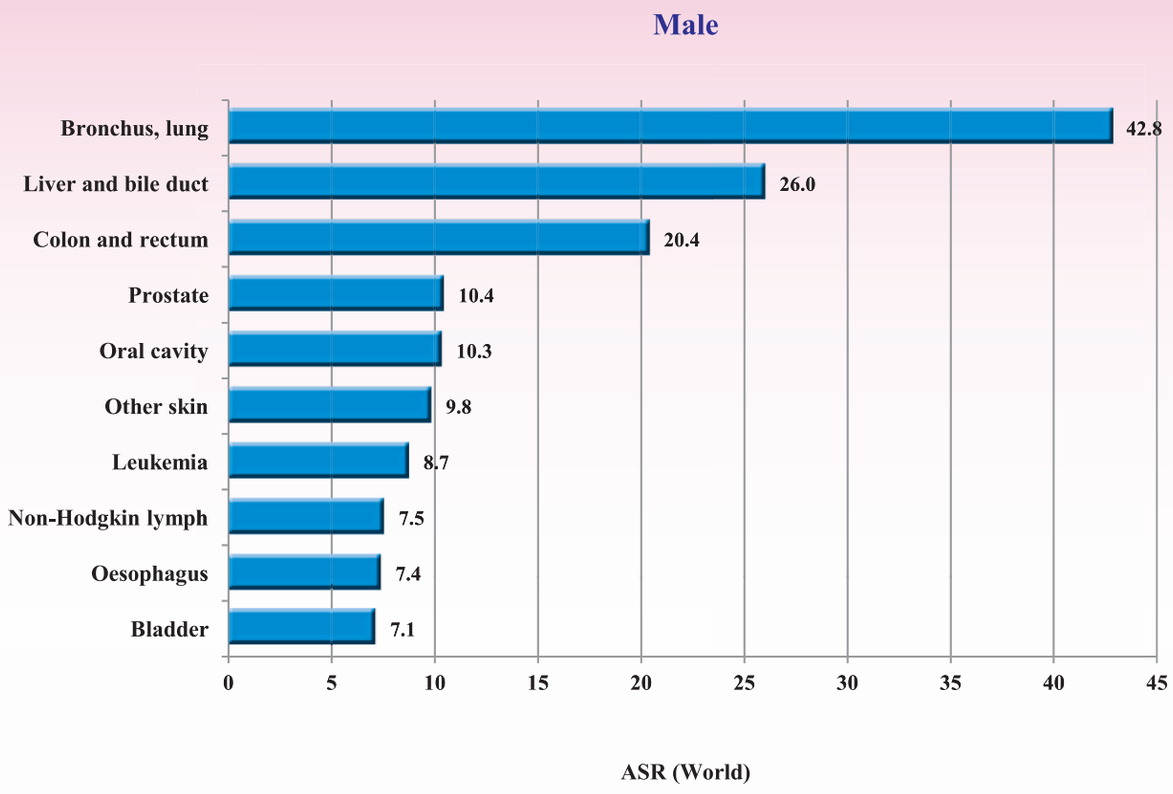
All data on cancer patients were collected by mixture of passive and active methods involving notification by the staff of Chon Buri cancer center, Chon Buri provincial hospital, 8 private hospitals, 12 community hospitals, 1 university hospital, 3 military hospitals and 1 pathological laboratory. Registry receives information from Chon Buri Provincial Public Health Service on some case of deaths from all causes. All death certificates are matched with the incidence case records of the registry. Individual certified as having died of cancer are registered as "Death Certificate Only (DCO)" cases if no other information about the individual can be traced from the other sources. New cancer cases were collected from out and in patient departments, wards, radiotherapy unit, surgery unit, cytology unit, hematology unit, medical record, pathological unit and autopsy service. The data information collected includes demographic details for each cancer patient that consists of: registry number, name, residential address, date of birth, age, sex, date of diagnosis, site of cancer, histology of cancer, staging, extension of disease, method of diagnosis, treatment, date of last contact and status of cancer patients (alive or dead).

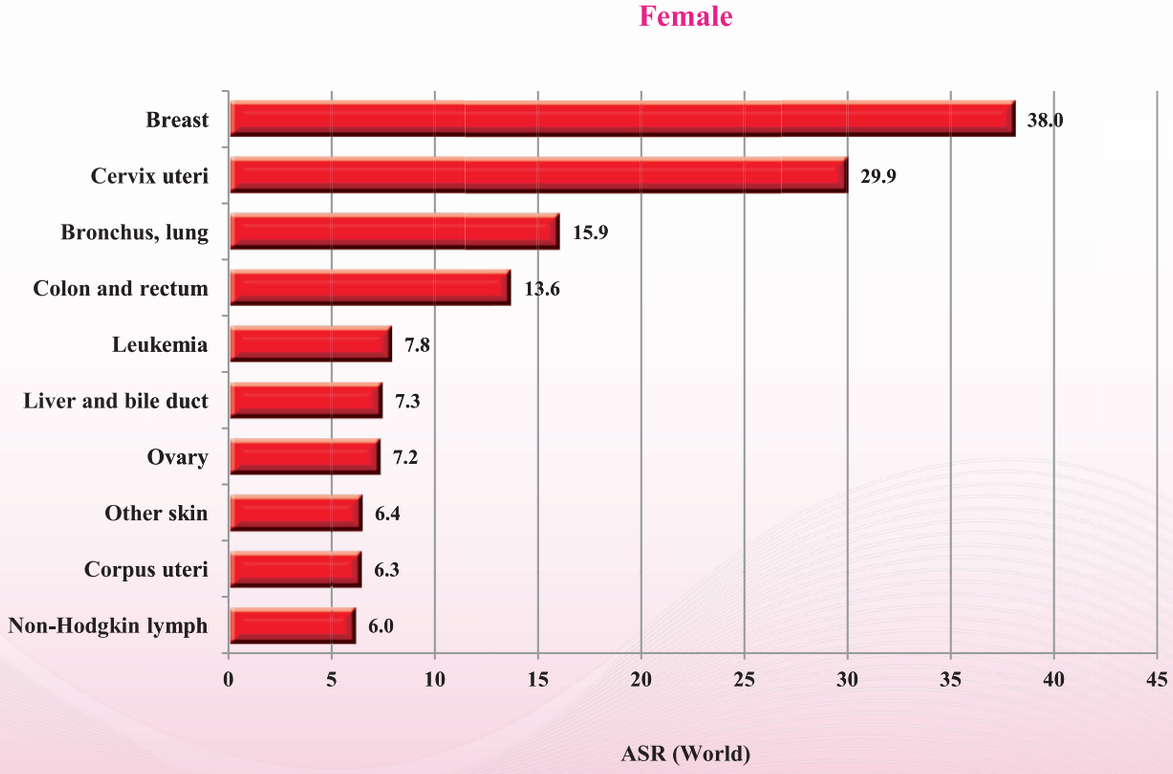
Summary of Results

New cases registered in 2004-2006, 2,684 were males and 3,016 were females this made up of 5,700 for both sex. The age - standardized incidence rate (ASR) of all cancer sites in males is 195.2 per 100,000 in which lung cancer ranks first (ASR = 42.8) followed by liver and bile duct (ASR = 26.0), colon and rectum (ASR = 20.4). ASR of all cancer sites in females is 174.9, three leading cancer in females are breast (ASR = 38.0), cervix (ASR = 29.9) and lung (ASR = 15.9).

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Figure 3.14 Leading cancer in Chon Buri, 2004-2006





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Table 3.15.1 Chon Buri (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.9	2.6	1.7	0.0	3.2	0.0	4.1	0.4	0.5	C00
Tongue	71	0.0	0.0	0.0	0.0	0.5	0.0	0.5	2.6	2.9	8.5	11.5	12.1	22.6	35.4	21.5	40.8	4.2	5.2	C01-02
Mouth	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.6	6.4	6.9	13.6	29.0	34.4	24.5	2.8	3.7	C03-06
Salivary glands	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	1.3	6.9	0.0	3.2	4.3	4.1	0.8	0.9	C07-08
Tonsil	18	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	3.8	2.6	5.2	6.8	3.2	4.3	12.2	1.1	1.3	C09
Other oropharynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.7	2.3	3.2	0.0	4.1	0.4	0.5	C10
Nasopharynx	83	0.0	0.0	0.0	2.3	0.0	2.4	2.7	6.4	9.6	8.5	12.8	12.1	13.6	16.1	21.5	24.5	4.9	5.1	C11
Hypopharynx	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	4.7	3.8	1.7	13.6	12.9	21.5	12.2	1.7	2.2	C12-13
Pharynx unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	4.3	8.2	0.2	0.3	C14
Esophagus	93	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.3	1.5	4.7	14.1	24.2	38.5	54.7	51.6	48.9	5.5	7.4	C15
Stomach	67	0.0	0.0	0.0	0.0	0.0	1.2	1.6	0.6	4.4	7.6	11.5	6.9	11.3	16.1	43.0	57.1	3.9	4.7	C16
Small intestine	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	0.0	0.0	2.3	0.0	0.0	4.1	0.3	0.3	C17
Colon	181	0.0	0.0	0.0	0.0	0.5	1.8	4.3	10.2	7.4	16.1	14.1	31.2	56.6	64.4	103.3	114.2	10.6	13.0	C18
Rectum	105	0.0	0.0	0.0	0.0	0.0	1.2	2.7	2.6	5.9	15.2	12.8	20.8	15.8	38.6	55.9	65.2	6.2	7.4	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C21
Liver and bile duct	368	0.0	0.0	0.0	0.0	0.0	2.4	3.8	13.5	15.5	46.5	65.4	114.3	74.7	122.3	172.2	154.9	21.6	26.0	C22,C24
Gallbladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.7	2.3	3.2	4.3	4.1	0.4	0.6	C23
Pancreas	38	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.3	2.9	4.7	3.8	5.2	13.6	16.1	12.9	20.4	2.2	2.7	C25
Nose, sinuses etc.	17	0.0	0.0	0.0	0.0	0.5	1.8	0.5	0.6	0.0	0.9	2.6	3.5	2.3	6.4	8.6	4.1	1.0	1.1	C30-31
Larynx	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.7	5.7	10.3	15.6	43.0	29.0	17.2	20.4	4.0	5.2	C32
Trachea, Bronchus, and lung	545	0.0	0.0	0.0	0.0	1.6	0.0	4.9	7.7	13.3	37.0	56.4	97.0	183.3	308.9	314.2	464.8	32.0	42.8	C33-34
Other thoracic organs	6	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.7	0.9	1.3	1.7	0.0	3.2	0.0	0.0	0.4	0.4	C37-38
Bone	10	0.0	0.0	1.6	1.5	0.5	1.2	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.6	0.6	C40-C41
Melanoma of skin	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	3.8	3.5	4.5	6.4	4.3	16.3	0.9	1.2	C43
Other skin	128	0.0	0.0	0.0	1.5	0.0	0.6	0.5	3.8	6.6	6.6	7.7	22.5	47.5	54.7	64.6	122.3	7.5	9.8	C44
Mesothelioma	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.1	0.1	C45
Kaposi sarcoma	3	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C46
Connective tissue	30	0.8	0.0	0.0	0.0	1.6	1.2	2.2	1.3	0.7	4.7	1.3	3.5	0.0	16.1	8.6	8.2	1.8	1.9	C47,C49
Breast	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.0	1.7	0.0	0.0	4.3	0.0	0.2	0.3	C50
Penis	19	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.7	0.9	0.0	6.9	11.3	9.7	12.9	4.1	1.1	1.5	C60
Prostate	125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.9	3.8	8.7	22.6	57.9	90.4	260.9	7.3	10.4	C61
Testis	23	0.0	0.8	1.6	0.8	2.2	1.2	3.3	0.0	2.9	0.0	1.3	1.7	2.3	0.0	0.0	0.0	1.3	1.2	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	18	2.4	0.0	0.0	0.0	0.5	1.2	0.0	0.6	0.0	0.9	5.1	1.7	4.5	9.7	0.0	0.0	1.1	1.3	C64
Renal pelvis	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.4	4.3	0.0	0.2	0.4	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	90	0.0	0.8	0.8	0.0	0.0	0.6	0.5	1.3	2.2	6.6	7.7	10.4	22.6	57.9	47.3	93.8	5.3	7.1	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.1	0.1	C68
Eye	5	1.6	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.3	0.4	C69
Brain, nervous system	46	0.8	1.6	1.6	0.8	1.6	2.4	1.6	2.6	3.7	2.8	7.7	3.5	11.3	6.4	4.3	8.2	2.7	2.8	C70-72
Thyroid	28	0.0	0.0	0.8	0.0	1.6	3.6	0.5	1.3	2.2	0.9	6.4	1.7	4.5	3.2	4.3	4.1	1.6	1.6	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	1	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	10	0.0	0.0	0.8	1.5	0.5	0.6	0.5	1.3	0.0	0.0	1.3	0.0	0.0	3.2	0.0	0.0	0.6	0.6	C81
Non-Hodgkin lymphoma	120	0.0	0.0	3.1	3.0	1.6	4.8	7.1	7.0	5.2	12.3	16.7	17.3	15.8	35.4	30.1	36.7	7.0	7.5	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	14	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.7	0.9	6.4	0.0	4.5	3.2	4.3	4.1	0.8	0.9	C90
Lymphoid leukemia	38	9.7	5.5	5.4	0.8	1.6	1.2	0.5	0.0	0.0	0.0	1.3	1.7	0.0	0.0	8.6	4.1	2.2	2.9	C91
Myeloid leukemia	45	0.8	0.0	1.6	0.0	1.6	3.6	2.2	1.3	4.4	3.8	3.8	1.7	4.5	3.2	21.5	20.4	2.6	2.7	C92-94
Leukemia unspecified	44	1.6	1.6	0.8	1.5	0.5	0.6	1.6	0.6	1.5	4.7	6.4	5.2	4.5	9.7	12.9	32.6	2.6	3.1	C95
Other and unspecified	79	0.0	0.8	0.8	0.0	1.1	1.2	2.2	4.5	5.9	7.6	5.1	20.8	4.5	41.8	38.7	24.5	4.6	5.3	O&U
All sites	**2,684**	**17.8**	**11.0**	**19.5**	**14.4**	**19.4**	**36.5**	**47.3**	**76.9**	**113.5**	**237.1**	**325.8**	**483.1**	**683.6**	**1094.1**	**1269.6**	**1736.9**	**157.5**	**195.2**	

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Table 3.15.2 Chon Buri (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	4.1	5.5	17.3	18.6	1.1	1.2	C00
Tongue	19	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	1.8	2.3	6.3	4.1	5.5	6.9	8.0	1.1	1.2	C01-02
Mouth	36	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.2	0.7	1.8	2.3	1.6	10.1	11.1	13.8	37.2	2.1	2.2	C03-06
Salivary glands	11	0.0	0.0	0.0	0.0	0.7	0.0	0.6	0.6	0.0	0.0	2.3	3.2	2.0	2.8	0.0	5.3	0.6	0.6	C07-08
Tonsil	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.5	2.7	0.2	0.2	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C10
Nasopharynx	38	0.0	0.0	0.0	0.7	0.7	0.0	0.6	4.3	6.1	10.7	3.5	1.6	4.1	2.8	0.0	0.0	2.2	1.9	C11
Hypopharynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	2.0	2.8	3.5	2.7	0.4	0.4	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	19	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.7	0.9	0.0	0.0	4.1	13.8	6.9	13.3	1.1	1.2	C15
Stomach	56	0.0	0.0	0.0	0.0	0.7	1.2	1.1	3.1	2.7	6.2	6.9	3.2	6.1	19.4	17.3	31.9	3.3	3.2	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C17
Colon	141	0.0	0.0	0.0	0.7	0.0	1.2	2.8	3.1	4.8	4.5	20.7	23.7	32.4	52.5	65.6	77.0	8.2	8.8	C18
Rectum	77	0.0	0.0	0.0	0.0	0.0	0.6	2.3	1.8	3.4	6.2	6.9	19.0	14.2	24.9	38.0	31.9	4.5	4.7	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.7	0.1	0.1	C21
Liver and bile duct	120	0.0	0.0	0.0	0.0	1.3	2.3	2.8	3.7	2.7	10.7	15.0	19.0	28.4	41.5	44.9	53.1	7.0	7.3	C22,C24
Gallbladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	10.6	0.4	0.5	C23
Pancreas	44	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	3.4	0.0	5.8	7.9	4.1	13.8	38.0	26.5	2.6	2.7	C25
Nose, sinuses etc.	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	0.9	3.5	0.0	2.0	5.5	0.0	5.3	0.7	0.7	C30-31
Larynx	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.2	6.3	0.0	2.8	0.0	8.0	0.6	0.6	C32
Trachea, Bronchus, and lung	247	0.0	0.0	0.0	0.0	0.0	0.6	1.1	3.1	4.1	14.3	25.3	49.1	77.1	85.7	134.6	148.7	14.4	15.9	C33-34
Other thoracic organs	4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.7	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.2	0.2	C37-38
Bone	9	0.0	0.0	0.0	1.5	0.0	0.6	1.1	0.6	0.0	0.9	0.0	1.6	0.0	2.8	0.0	0.0	0.5	0.5	C40-C41
Melanoma of skin	11	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.9	1.2	1.6	2.0	0.0	3.5	10.6	0.6	0.6	C43
Other skin	101	0.0	0.8	0.0	0.7	0.0	0.6	0.0	1.8	2.0	2.7	5.8	17.4	22.3	41.5	34.5	98.2	5.9	6.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	27	1.8	1.7	0.0	0.0	0.0	0.6	0.6	3.1	2.7	1.8	3.5	3.2	2.0	8.3	3.5	0.0	1.6	1.6	C47,C49
Breast	697	0.0	0.0	0.0	0.7	2.6	7.6	19.2	50.5	68.1	131.8	114.0	114.0	119.7	85.7	96.6	69.0	40.7	38.0	C50
Vulva	8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	2.3	1.6	0.0	2.8	0.0	5.3	0.5	0.4	C51
Vagina	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.5	0.0	0.1	0.2	C52
Cervix uteri	536	0.0	0.0	0.0	0.0	0.7	5.9	15.3	41.9	49.0	73.9	88.7	82.3	97.3	127.2	82.8	74.3	31.3	29.9	C53
Corpus uteri	104	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.8	6.8	13.4	24.2	23.7	30.4	24.9	24.2	10.6	6.1	6.3	C54
Uterus unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C55
Ovary	131	0.0	0.0	0.8	1.5	3.9	6.5	4.5	9.2	8.9	16.0	17.3	20.6	16.2	33.2	13.8	13.3	7.6	7.2	C56
Other female genital	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	C57
Placenta	12	0.0	0.0	0.0	1.5	1.3	1.8	1.1	0.0	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	C58
Kidney	13	0.9	0.0	0.8	0.7	0.0	0.0	0.0	0.6	1.4	0.9	1.2	0.0	6.1	2.8	0.0	2.7	0.8	0.9	C64
Renal pelvis	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.2	1.6	0.0	5.5	3.5	0.0	0.4	0.4	C65
Ureter	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	2.7	0.2	0.2	C66
Bladder	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.7	0.0	3.2	4.1	5.5	3.5	10.6	0.9	1.0	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.1	0.1	C68
Eye	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.2	0.1	C69
Brain, nervous system	36	2.6	0.8	2.5	0.7	2.6	1.8	1.7	0.6	2.7	0.0	4.6	6.3	2.0	5.5	3.5	2.7	2.1	2.2	C70-72
Thyroid	117	0.0	0.0	0.0	1.5	9.8	7.6	7.9	9.9	8.9	10.7	9.2	3.2	26.4	2.8	6.9	15.9	6.8	5.9	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.1	0.1	C74
Other endocrine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	7	0.0	0.0	0.0	0.7	0.7	0.6	0.0	0.6	0.0	0.0	0.0	1.6	0.0	2.8	3.5	0.0	0.4	0.4	C81
Non-Hodgkin lymphoma	101	0.9	1.7	0.8	1.5	2.6	4.7	3.4	2.5	3.4	7.1	9.2	20.6	24.3	16.6	27.6	34.5	5.9	6.0	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	19	0.0	0.0	0.0	0.7	0.7	0.6	0.0	1.2	0.0	0.0	2.3	6.3	4.1	8.3	0.0	8.0	1.1	1.2	C90
Lymphoid leukemia	32	6.1	4.1	1.7	0.7	1.3	1.8	0.0	1.2	0.7	0.9	1.2	3.2	6.1	0.0	3.5	2.7	1.9	2.3	C91
Myeloid leukemia	43	2.6	0.0	0.8	1.5	0.7	1.8	0.6	3.1	0.7	6.2	3.5	7.9	4.1	5.5	6.9	13.3	2.5	2.6	C92-94
Leukemia unspecified	49	1.8	2.5	0.8	0.7	0.7	3.5	1.1	2.5	2.0	4.5	4.6	4.7	4.1	8.3	10.4	15.9	2.9	2.9	C95
Other and unspecified	56	0.0	0.0	0.0	0.0	0.0	1.2	0.6	5.5	5.4	8.9	3.5	9.5	6.1	16.6	3.5	18.6	3.3	3.1	O&U
All sites	**3,016**	**16.6**	**11.6**	**8.3**	**16.3**	**32.0**	**55.8**	**72.4**	**161.9**	**200.2**	**345.6**	**393.8**	**478.0**	**573.9**	**713.5**	**724.5**	**900.0**	**176.0**	**174.9**	

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Table 3.15.3 Annual incidence, Chon Buri, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	7	0.3	0.4	0.5	0.0	0.0	18	0.6	1.1	1.2	0.0	0.1
C01-02	Tongue	71	2.6	4.2	5.2	0.3	0.6	19	0.6	1.1	1.2	0.1	0.1
C03-06	Mouth	48	1.8	2.8	3.7	0.2	0.5	36	1.2	2.1	2.2	0.1	0.2
C07-08	Salivary glands	14	0.5	0.8	0.9	0.1	0.1	11	0.4	0.6	0.6	0.0	0.1
C09	Tonsil	18	0.7	1.1	1.3	0.1	0.1	3	0.1	0.2	0.2	0.0	0.0
C10	Other oropharynx	6	0.2	0.4	0.5	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C11	Nasopharynx	83	3.1	4.9	5.1	0.4	0.5	38	1.3	2.2	1.9	0.2	0.2
C12-13	Hypopharynx	29	1.1	1.7	2.2	0.1	0.3	6	0.2	0.4	0.4	0.0	0.0
C14	Pharynx unspecified	4	0.1	0.2	0.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	93	3.5	5.5	7.4	0.4	1.0	19	0.6	1.1	1.2	0.0	0.1
C16	Stomach	67	2.5	3.9	4.7	0.2	0.5	56	1.9	3.3	3.2	0.2	0.3
C17	Small intestine	5	0.2	0.3	0.3	0.0	0.0	1	0.0	0.1	0.0	0.0	0.0
C18	Colon	181	6.7	10.6	13.0	0.7	1.5	141	4.7	8.2	8.8	0.5	1.1
C19-20	Rectum	105	3.9	6.2	7.4	0.4	0.9	77	2.6	4.5	4.7	0.3	0.6
C21	Anus	1	0.0	0.1	0.0	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	368	13.7	21.6	26.0	1.7	3.2	120	4.0	7.0	7.3	0.4	0.9
C23	Gallbladder	7	0.3	0.4	0.6	0.0	0.1	7	0.2	0.4	0.5	0.0	0.0
C25	Pancreas	38	1.4	2.2	2.7	0.2	0.3	44	1.5	2.6	2.7	0.1	0.4
C30-31	Nose, sinuses etc.	17	0.6	1.0	1.1	0.1	0.1	12	0.4	0.7	0.7	0.0	0.1
C32	Larynx	68	2.5	4.0	5.2	0.4	0.6	10	0.3	0.6	0.6	0.0	0.1
C33-34	Trachea, Bronchus, and lung	545	20.3	32.0	42.8	2.0	5.1	247	8.2	14.4	15.9	0.9	2.0
C37-38	Other thoracic organs	6	0.2	0.4	0.4	0.0	0.0	4	0.1	0.2	0.2	0.0	0.0
C40-C41	Bone	10	0.4	0.6	0.6	0.0	0.1	9	0.3	0.5	0.5	0.0	0.0
C43	Melanoma of skin	16	0.6	0.9	1.2	0.1	0.1	11	0.4	0.6	0.6	0.0	0.1
C44	Other skin	128	4.8	7.5	9.8	0.5	1.1	101	3.3	5.9	6.4	0.3	0.7
C45	Mesothelioma	2	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	3	0.1	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	30	1.1	1.8	1.9	0.1	0.2	27	0.9	1.6	1.6	0.1	0.2
C50	Breast	4	0.1	0.2	0.3	0.0	0.0	697	23.1	40.7	38.0	3.1	4.1
C51	Vulva							8	0.3	0.5	0.4	0.0	0.0
C52	Vagina							2	0.1	0.1	0.2	0.0	0.0
C53	Cervix uteri							536	17.8	31.3	29.9	2.3	3.3
C54	Corpus uteri							104	3.4	6.1	6.3	0.5	0.8
C55	Uterus unspecified							0	0.0	0.0	0.0	0.0	0.0
C56	Ovary							131	4.3	7.6	7.2	0.5	0.8
C57	Other female genital							1	0.0	0.1	0.0	0.0	0.0
C58	Placenta							12	0.4	0.7	0.6	0.0	0.0
C60	Penis	19	0.7	1.1	1.5	0.1	0.2						
C61	Prostate	125	4.7	7.3	10.4	0.2	0.9						
C62	Testis	23	0.9	1.3	1.2	0.1	0.1						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	18	0.7	1.1	1.3	0.1	0.1	13	0.4	0.8	0.9	0.1	0.1
C65	Renal pelvis	4	0.1	0.2	0.4	0.0	0.1	6	0.2	0.4	0.4	0.0	0.1
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	3	0.1	0.2	0.2	0.0	0.0
C67	Bladder	90	3.4	5.3	7.1	0.3	0.8	16	0.5	0.9	1.0	0.1	0.1
C68	Other urinary organs	1	0.0	0.1	0.1	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C69	Eye	5	0.2	0.3	0.4	0.0	0.0	3	0.1	0.2	0.1	0.0	0.0
C70-72	Brain, nervous system	46	1.7	2.7	2.8	0.2	0.3	36	1.2	2.1	2.2	0.1	0.2
C73	Thyroid	28	1.0	1.6	1.6	0.1	0.2	117	3.9	6.8	5.9	0.5	0.5
C74	Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.1	0.1	0.0	0.0
C75	Other endocrine	1	0.0	0.1	0.1	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C81	Hodgkin disease	10	0.4	0.6	0.6	0.0	0.0	7	0.2	0.4	0.4	0.0	0.1
C82-85,C96	Non-Hodgkin lymphoma	120	4.5	7.0	7.5	0.5	0.8	101	3.3	5.9	6.0	0.4	0.6
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	14	0.5	0.8	0.9	0.1	0.1	19	0.6	1.1	1.2	0.1	0.1
C91	Lymphoid leukemia	38	1.4	2.2	2.9	0.1	0.2	32	1.1	1.9	2.3	0.1	0.2
C92-94	Myeloid leukemia	45	1.7	2.6	2.7	0.1	0.3	43	1.4	2.5	2.6	0.2	0.2
C95	Leukemia unspecified	44	1.6	2.6	3.1	0.2	0.3	49	1.6	2.9	2.9	0.2	0.3
O&U	Other and unspecified	79	2.9	4.6	5.3	0.3	0.7	56	1.9	3.3	3.1	0.2	0.3
	All sites	**2684**	**100.0**	**157.5**	**195.2**	**10.4**	**22.2**	**3016**	**100.0**	**176.0**	**174.9**	**11.8**	**19.0**

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Table 3.15.4 Percentage of morphologically verified and death certificate only cases, Chon Buri, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	140	86.4	5.7	84	92.9	3.6
C09-C10,C14	Oropharynx, etc.	28	92.9	0.0	4	100.0	0.0
C11	Nasopharynx	83	89.2	0.0	38	94.7	2.6
C12-C13	Hypopharynx	29	96.6	0.0	6	100.0	0.0
C15	Esophagus	93	90.3	1.1	19	68.4	0.0
C16	Stomach	67	92.5	3.0	56	75.0	7.1
C17	Small intestine	5	100.0	0.0	1	100.0	0.0
C18-C21	Colon and rectum	287	86.1	3.5	220	87.3	0.5
C22,C24	Liver and bile duct	368	28.5	13.9	120	33.3	13.3
C23	Gallbladder	7	57.1	28.6	7	57.1	28.6
C25	Pancreas	38	42.1	21.1	44	43.2	6.8
C30-C31	Nose, sinuses etc.	17	94.1	0.0	12	91.7	0.0
C32	Larynx	68	91.2	1.5	10	90.0	0.0
C33-C34	Trachea, bronchus and lung	545	64.6	5.9	247	66.8	6.1
C37-C38	Other thoracic organs	6	100.0	0.0	4	75.0	0.0
C40-C41	Bone	10	70.0	10.0	9	55.6	11.1
C43	Melanoma of skin	16	100.0	0.0	11	100.0	0.0
C44	Other skin	128	97.7	0.8	101	98.0	0.0
C45	Mesothelioma	2	100.0	0.0	0	-	-
C46	Kaposi sarcoma	3	100.0	0.0	0	-	-
C47,C49	Connective and soft tissue	30	100.0	0.0	27	100.0	0.0
C50	Breast	4	50.0	0.0	697	93.0	1.1
C51	Vulva				8	87.5	0.0
C52	Vagina				2	100.0	0.0
C53	Cervix uteri				536	89.0	1.3
C54	Corpus uteri				104	95.2	1.0
C55	Uterus unspecified				0	-	-
C56	Ovary				131	84.0	2.3
C51,C52,C57	Other female genital				1	100.0	0.0
C58	Placenta				12	100.0	0.0
C60	Penis	19	94.7	0.0			
C61	Prostate	125	73.6	5.6			
C62	Testis	23	100.0	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	18	83.3	5.6	13	92.3	0.0
C65	Renal pelvis	4	75.0	0.0	6	83.3	0.0
C66	Ureter	0	-	-	3	100.0	0.0
C67	Bladder	90	87.8	2.2	16	93.8	0.0
C68	Other urinary organs	1	0.0	100.0	1	100.0	0.0
C69	Eye	5	100.0	0.0	3	100.0	0.0
C70-C72	Brain, nervous system	46	58.7	21.7	36	52.8	16.7
C73	Thyroid	28	92.9	0.0	117	93.2	0.9
C74	Adrenal gland	0	-	-	1	0.0	100.0
C75	Other endocrine	1	100.0	0.0	2	100.0	0.0
C81	Hodgkin's disease	10	100.0	0.0	7	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	120	100.0	0.0	101	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	14	100.0	0.0	19	100.0	0.0
C91-C95	Leukemia	127	100.0	0.0	124	100.0	0.0
O&U	Other and unspecified	79	29.1	35.4	56	33.9	30.4
	All sites	**2684**	**73.6**	**6.2**	**3016**	**84.9**	**3.0**

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Rayong Cancer Registry

Registration area

Rayong , one of the six provinces, under the supervision of the Chonburi Cancer Center for cancer prevention and control in eastern part of Thailand. Rayong is situated between 12°-13° N and 101-102 ° E, with land area 3552 square kilometers, 5 meters above sea level and is bounded on the North and the West by Chonburi, on the East by Chanthaburi and golf of Thailand on the South.

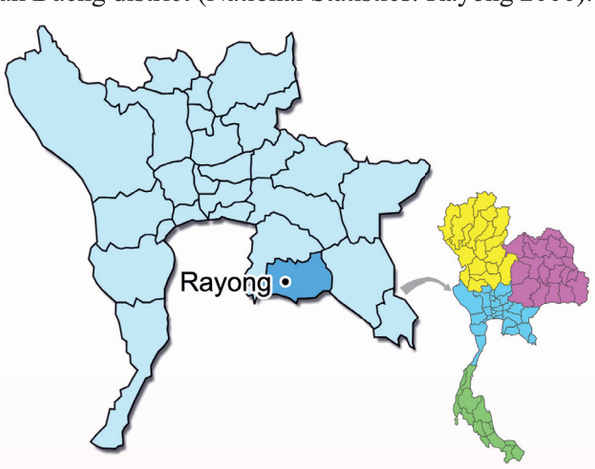
The province had comprising of coastal plains, slope, hilly land, mountains and two major rivers which flow to the sea about 100 kilometers of sea shore on the South. The climate is rather warm, the highest temperature about 38.7 ° C in summer from March to May, 17.8° C in winter from November to February, rainy season started from May to October. The average total rainfall is 3509.4 millimeters per year.

At the time of census, in April 2000, Rayong was divided into 6 districts, 2 subdistrict, 58 communes (Tambon), 388 villages. The districts of Rayong were: Muang Rayong, Klaeng, Ban Chang, Wang Chan, Ban Khai, Pluak Daeng and Khao Chamao, Nikhom Phatthana subdistricts.

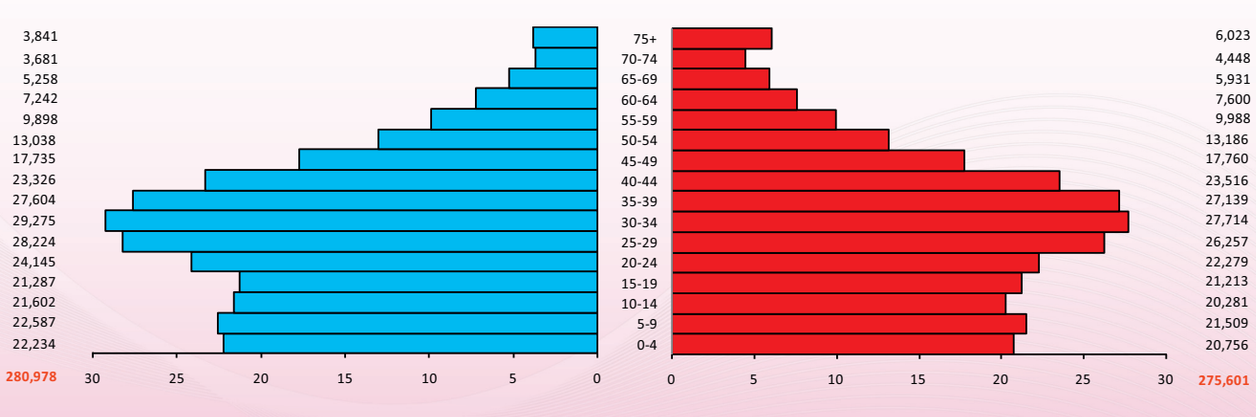
The most important occupations are farming of vegetables and fruits, fishing, shrimp and farming. The Map Ta Phut Industrial Estate is situated in Muang Rayong since 1981 composed of 1663 factories and 121 568 workers.

The population census was carried out every ten years. The total population at 2000 census was 520 082 with 260 564 males and 259 518 females about 15.0% of total population in the Eastern part of Thailand.

About 40% lived in municipal area, the rest (60%) in non municipal area (Population and Housing Census 2000). The average population density was about 146.4 persons per square kilometer. The highest population density was 364.7 persons per square kilometer in Muang Rayong district. The lowest population density was 53.9 persons per square kilometer in Pluak Daeng district (National Statistics: Rayong 2000).



Population pyramid, Rayong, 2005



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Cancer care facilities

The total number of hospitals in Rayong province was 12 hospitals composed of 8 community hospitals, 3 private hospitals and 1 provincial hospital, providing 1225 total beds. The medical personals composed of 191 registered medical practitioners, 38 dentists, 76 pharmacists and 1117 nurses. The population to doctor ratio was 2722:1.

Cancer diagnostic services including radiological diagnosis equipment such as: X-ray, ultrasound, mammography, CT and pathological investigation are available in Rayong provincial hospital and private hospital. MRI is available only in Bangkok Rayong hospital. Cancer surgery services and cancer chemotherapy are provided in Rayong provincial hospital and private Hospital. Most of the cancer patients were referred to Chonburi cancer center for radiotherapy.

Registry procedures

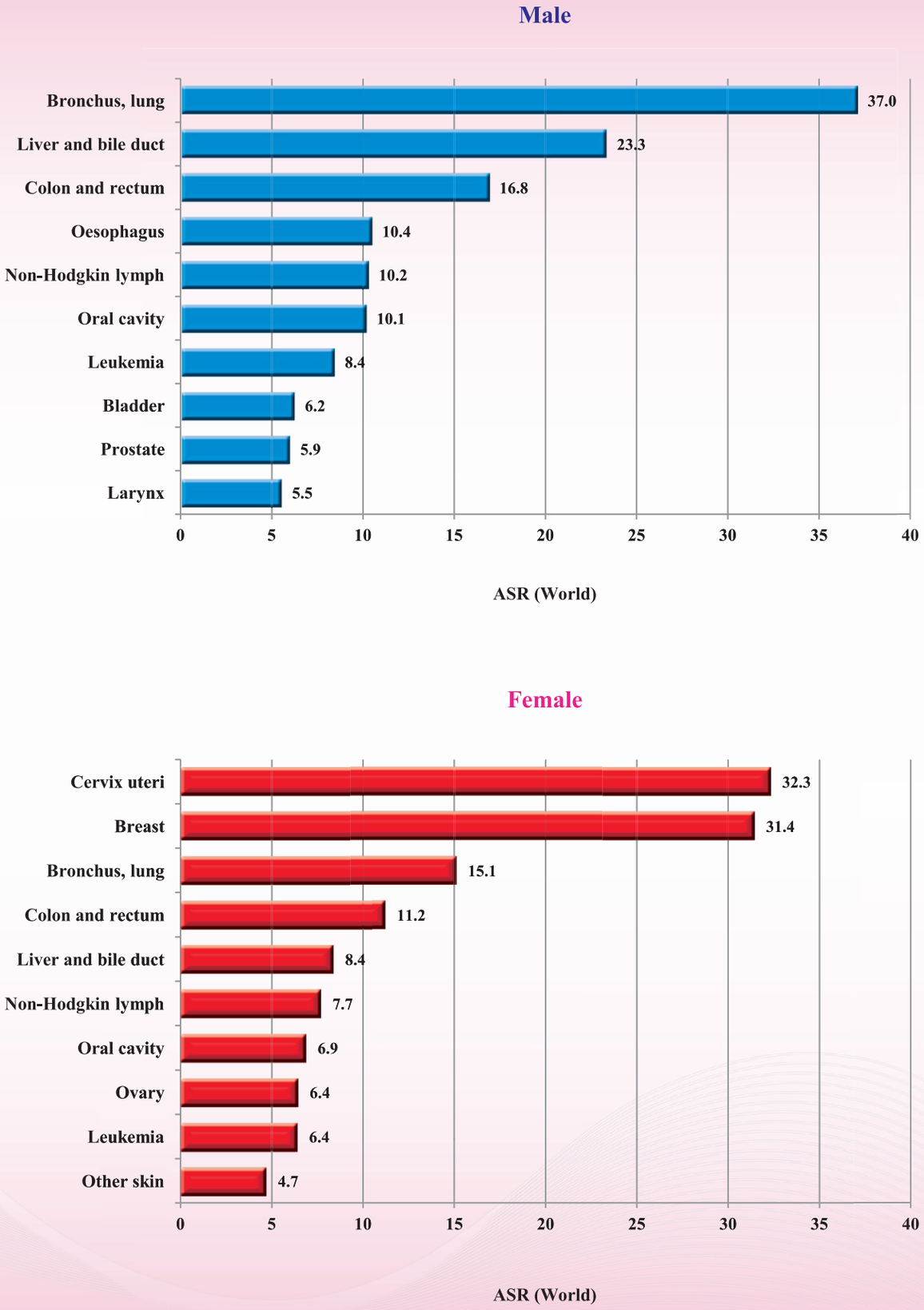
All data on cancer patients were collected by mixture of passive and active methods involving notification from Chonburi Cancer Center, Rayong provincial hospital, 3 private hospitals, Phrapokklao hospital, Klaeng hospital, all community hospitals, some informations from Chulalongkorn University Hospital. All death certificates are matched with the incidence case records of the registry. Individual certified as having died of cancer are registered as "Death Certificate Only (DCO)" cases if no other information about the individual can be traced from the other sources. New cancer cases were collected from out and in patient departments, wards, radiotherapy unit, surgery unit, cytology unit, hematology unit, medical record, pathological unit and autopsy service. The data information collected includes demographic details for each cancer patient that consists of: registry number, name, residential address, date of birth, age, sex, date of diagnosis, site of cancer, histology of cancer, staging, extension of disease, method of diagnosis, treatment, date of last contact and status of cancer patients (alive or dead).

Summary of Results

New cases registered in 2004-2006, 1,250 were males and 1,362 were females, making 2,612 for both sexes. The age - standardized incidence rate (ASR) of all cancer in males was 183.6 per 100,000 in which lung cancer ranks first (ASR = 37.0) followed by liver and bile duct (ASR =23.3) and colon and rectum (ASR =16.8) (ASR). The ASR for all cancer in females was 167.2, the three leading sites being cervix (ASR =32.3), breast (ASR = 31.4) and lung (ASR =15.1).

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Figure 3.15 Leading cancer in Rayong, 2004-2006



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Table 3.16.1 Rayong (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.1	0.2	C00
Tongue	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.3	5.6	7.7	10.1	13.8	38.0	72.4	43.4	4.2	5.5	C01-02
Mouth	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	11.3	10.2	13.5	13.8	25.4	36.2	8.7	3.2	4.0	C03-06
Salivary glands	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	0.0	0.0	0.0	9.1	0.0	0.4	0.4	C07-08
Tonsil	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.3	5.6	0.0	6.7	4.6	0.0	0.0	26.0	1.5	1.6	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C10
Nasopharynx	44	0.0	0.0	0.0	0.0	2.8	0.0	3.4	6.0	8.6	13.2	12.8	23.6	13.8	0.0	45.3	8.7	5.2	5.3	C11
Hypopharynx	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	10.2	10.1	18.4	12.7	18.1	0.0	1.9	2.5	C12-13
Pharynx unspecified	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.4	0.0	0.0	3.4	0.0	6.3	9.1	0.0	0.6	0.7	C14
Esophagus	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	8.6	7.5	20.5	30.3	64.4	76.1	18.1	95.5	7.9	10.4	C15
Stomach	29	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	5.7	3.8	2.6	13.5	27.6	19.0	27.2	34.7	3.4	4.3	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.1	0.2	C17
Colon	65	0.0	0.0	0.0	0.0	1.4	1.2	1.1	2.4	2.9	7.5	17.9	20.2	64.4	38.0	36.2	147.5	7.7	10.1	C18
Rectum	43	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.8	0.0	9.4	12.8	10.1	27.6	31.7	72.4	52.1	5.1	6.5	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.1	0.2	C21
Liver and bile duct	171	0.0	0.0	0.0	0.0	2.8	3.5	4.6	14.5	24.3	47.0	51.1	87.6	96.7	82.4	108.7	138.9	20.3	23.3	C22,C24
Gallbladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	2.6	6.7	4.6	0.0	0.0	17.4	0.8	1.0	C23
Pancreas	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.4	1.9	0.0	16.8	4.6	0.0	18.1	8.7	1.5	1.7	C25
Nose, sinuses etc.	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	C30-31
Larynx	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.9	7.7	23.6	27.6	38.0	54.3	26.0	4.0	5.5	C32
Trachea, Bronchus, and lung	233	0.0	0.0	0.0	1.6	0.0	1.2	5.7	6.0	11.4	24.4	63.9	70.7	128.9	221.9	353.2	451.3	27.6	37.0	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C37-38
Bone	9	0.0	3.0	1.5	3.1	0.0	1.2	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	8.7	1.1	1.2	C40-C41
Melanoma of skin	5	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	26.0	0.6	0.7	C43
Other skin	36	0.0	1.5	0.0	0.0	0.0	1.2	2.3	3.6	0.0	3.8	7.7	16.8	9.2	38.0	27.2	69.4	4.3	5.3	C44
Mesothelioma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.1	0.2	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	11	0.0	0.0	0.0	1.6	1.4	0.0	1.1	0.0	1.4	1.9	2.6	0.0	4.6	0.0	0.0	34.7	1.3	1.5	C47,C49
Breast	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	6.3	0.0	8.7	0.4	0.5	C50
Penis	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.4	3.8	0.0	10.1	4.6	12.7	27.2	8.7	1.9	2.2	C60
Prostate	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.1	0.0	0.0	63.4	72.4	104.2	4.0	5.9	C61
Testis	11	0.0	0.0	0.0	1.6	4.1	2.4	3.4	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	8.7	1.3	1.1	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C63
Kidney	2	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.2	0.3	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	3.8	0.0	20.2	32.2	31.7	36.2	95.5	4.5	6.2	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.1	0.2	C68
Eye	3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	8.7	0.4	0.5	C69
Brain, nervous system	22	0.0	0.0	1.5	0.0	0.0	0.0	2.3	1.2	0.0	13.2	7.7	3.4	4.6	6.3	27.2	17.4	2.6	2.9	C70-72
Thyroid	11	0.0	0.0	0.0	0.0	1.4	1.2	1.1	2.4	4.3	3.8	0.0	0.0	0.0	0.0	0.0	8.7	1.3	1.1	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	3	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.3	C81
Non-Hodgkin lymphoma	79	3.0	4.4	1.5	3.1	5.5	3.5	4.6	10.9	14.3	9.4	12.8	23.6	13.8	31.7	72.4	69.4	9.4	10.2	C82-85,C96
Immunoproliferative diseases	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C88
Multiple myeloma	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	5.1	3.4	0.0	19.0	0.0	8.7	1.1	1.3	C90
Lymphoid leukemia	13	6.0	4.4	3.1	0.0	0.0	1.2	0.0	1.2	0.0	1.9	0.0	0.0	0.0	0.0	9.1	0.0	1.5	1.9	C91
Myeloid leukemia	30	1.5	1.5	3.1	1.6	1.4	3.5	3.4	1.2	2.9	0.0	0.0	10.1	9.2	12.7	45.3	26.0	3.6	4.2	C92-94
Leukemia unspecified	14	3.0	4.4	0.0	1.6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	3.4	0.0	19.0	27.2	0.0	1.7	2.3	C95
Other and unspecified	81	0.0	0.0	0.0	0.0	0.0	2.4	2.3	1.2	8.6	22.6	20.5	26.9	46.0	76.1	54.3	121.5	9.6	12.0	O&U
All sites	**1,250**	**13.5**	**19.2**	**13.9**	**14.1**	**22.1**	**24.8**	**38.7**	**71.2**	**120.0**	**219.9**	**301.7**	**464.7**	**639.7**	**912.8**	**1313.1**	**1692.5**	**148.3**	**183.6**	

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Table 3.16.2 Rayong (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.3	0.0	11.2	30.0	38.7	1.8	2.0	C00
Tongue	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.8	2.5	0.0	4.4	11.2	22.5	11.1	1.6	1.7	C01-02
Mouth	21	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.2	0.0	0.0	0.0	0.0	17.5	16.9	22.5	49.8	2.5	2.8	C03-06
Salivary glands	3	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	C07-08
Tonsil	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	11.2	0.0	0.0	0.4	0.4	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	16	0.0	0.0	0.0	0.0	1.5	0.0	1.2	3.7	2.8	5.6	7.6	6.7	0.0	5.6	0.0	0.0	1.9	1.7	C11
Hypopharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C12-13
Pharynx unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C14
Esophagus	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	12.6	16.7	30.7	5.6	30.0	33.2	3.6	4.2	C15
Stomach	32	0.0	0.0	0.0	0.0	0.0	5.1	1.2	2.5	5.7	3.8	7.6	0.0	13.2	22.5	0.0	49.8	3.9	3.8	C16
Small intestine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	7.5	0.0	0.2	0.3	C17
Colon	52	0.0	0.0	0.0	0.0	1.5	0.0	1.2	0.0	5.7	9.4	5.1	36.7	21.9	22.5	74.9	49.8	6.3	6.9	C18
Rectum	32	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	4.3	5.6	12.6	13.3	13.2	16.9	30.0	16.6	3.9	4.0	C19-20
Anus	2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.2	0.3	C21
Liver and bile duct	63	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.5	7.1	5.6	15.2	30.0	30.7	61.8	60.0	49.8	7.6	8.4	C22,C24
Gallbladder	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.2	11.2	7.5	0.0	0.8	1.1	C23
Pancreas	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.5	3.3	4.4	11.2	7.5	0.0	1.0	1.1	C25
Nose, sinuses etc.	2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.2	0.3	C30-31
Larynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	2.5	0.0	4.4	0.0	15.0	0.0	0.6	0.7	C32
Trachea, Bronchus, and lung	112	0.0	0.0	0.0	0.0	1.5	0.0	2.4	2.5	2.8	20.6	27.8	50.1	57.0	101.2	89.9	138.4	13.5	15.1	C33-34
Other thoracic organs	1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C37-38
Bone	7	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	0.0	1.9	0.0	3.3	4.4	0.0	0.0	5.5	0.8	0.8	C40-C41
Melanoma of skin	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.2	0.3	C43
Other skin	34	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.4	3.8	7.6	3.3	17.5	45.0	22.5	60.9	4.1	4.7	C44
Mesothelioma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	11	0.0	0.0	1.6	0.0	0.0	1.3	1.2	0.0	1.4	1.9	2.5	3.3	4.4	11.2	7.5	0.0	1.3	1.4	C47,C49
Breast	275	0.0	0.0	0.0	0.0	4.5	5.1	22.9	36.8	56.7	92.0	123.9	110.1	74.6	73.1	74.9	44.3	33.3	31.4	C50
Vulva	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	3.3	0.0	5.6	22.5	11.1	1.0	1.1	C51
Vagina	3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	3.3	0.0	5.6	0.0	0.0	0.4	0.4	C52
Cervix uteri	279	0.0	0.0	0.0	0.0	1.5	2.5	18.0	30.7	73.7	92.0	85.9	110.1	92.1	95.5	104.9	88.5	33.7	32.3	C53
Corpus uteri	36	0.0	0.0	0.0	0.0	1.5	1.3	0.0	1.2	8.5	11.3	15.2	6.7	13.2	33.7	15.0	11.1	4.4	4.6	C54
Uterus unspecified	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C55
Ovary	53	1.6	0.0	0.0	1.6	4.5	2.5	4.8	0.0	7.1	20.6	22.8	23.4	17.5	5.6	15.0	16.6	6.4	6.4	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	C58
Kidney	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.1	0.2	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.1	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.4	0.0	2.5	3.3	8.8	5.6	22.5	22.1	1.7	1.8	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	1	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	C69
Brain, nervous system	17	0.0	0.0	1.6	0.0	1.5	0.0	1.2	2.5	8.5	1.9	2.5	3.3	0.0	5.6	15.0	0.0	2.1	1.8	C70-72
Thyroid	31	0.0	0.0	1.6	0.0	6.0	3.8	4.8	3.7	2.8	9.4	7.6	10.0	4.4	0.0	7.5	5.5	3.7	3.4	C73
Adrenal gland	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	2.5	0.0	0.0	5.6	0.0	0.0	0.4	0.4	C81
Non-Hodgkin lymphoma	65	3.2	0.0	4.9	1.6	4.5	5.1	9.6	4.9	11.3	5.6	15.2	33.4	17.5	16.9	15.0	22.1	7.9	7.7	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	10.1	0.0	8.8	0.0	15.0	16.6	1.5	1.6	C90
Lymphoid leukemia	9	3.2	1.5	3.3	0.0	0.0	1.3	0.0	0.0	1.4	1.9	0.0	0.0	0.0	5.6	0.0	0.0	1.1	1.3	C91
Myeloid leukemia	22	0.0	0.0	0.0	1.6	0.0	2.5	2.4	0.0	2.8	5.6	5.1	0.0	17.5	11.2	15.0	11.1	2.7	2.8	C92-94
Leukemia unspecified	16	6.4	0.0	0.0	0.0	1.5	1.3	0.0	2.5	0.0	1.9	5.1	0.0	4.4	11.2	7.5	5.5	1.9	2.3	C95
Other and unspecified	37	0.0	0.0	0.0	0.0	0.0	3.8	1.2	3.7	2.8	7.5	7.6	10.0	17.5	28.1	15.0	38.7	4.5	4.6	O&U
All sites	**1,362**	**17.7**	**4.6**	**13.1**	**6.3**	**29.9**	**36.8**	**83.0**	**108.1**	**219.7**	**328.5**	**414.6**	**497.3**	**521.9**	**674.4**	**771.9**	**802.5**	**164.7**	**167.2**	

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Table 3.16.3 Annual incidence, Rayong, 2004-2006

ICD-10	Site	Male						Female					
		No. cases	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Com. 0-64 (percent)	Rate. 0-74 (percent)	No. cases	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Com. 0-64 (percent)	Rate. 0-74 (percent)
C00	01. Lip	1	0.1	0.1	0.2	0.0	0.0	15	1.1	1.8	2.0	0.0	0.2
C01-02	02. Tongue	35	2.8	4.2	5.5	0.2	0.8	13	1.0	1.6	1.7	0.1	0.2
C03-06	03. Mouth	27	2.2	3.2	4.0	0.3	0.6	21	1.5	2.5	2.8	0.1	0.3
C07-08	04. Salivary gland	3	0.2	0.4	0.4	0.0	0.1	3	0.2	0.4	0.4	0.0	0.0
C09	05. Tonsil	13	1.0	1.5	1.6	0.1	0.1	3	0.2	0.4	0.4	0.0	0.1
C10	06. Other oropharynx	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	07. Nasopharynx	44	3.5	5.2	5.3	0.4	0.6	16	1.2	1.9	1.7	0.1	0.2
C12-13	08. Hypopharynx	16	1.3	1.9	2.5	0.2	0.4	1	0.1	0.1	0.1	0.0	0.0
C14	09. Pharynx unspecified	5	0.4	0.6	0.7	0.0	0.1	0	0.0	0.0	0.0	0.0	0.0
C15	10. Oesophagus	67	5.4	7.9	10.4	0.7	1.1	30	2.2	3.6	4.2	0.3	0.5
C16	11. Stomach	29	2.3	3.4	4.3	0.3	0.5	32	2.3	3.9	3.8	0.2	0.3
C17	12. Small intestine	1	0.1	0.1	0.2	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C18	13. Colon	65	5.2	7.7	10.1	0.6	1.0	52	3.8	6.3	6.9	0.4	0.9
C19-20	14. Rectum	43	3.4	5.1	6.5	0.3	0.9	32	2.3	3.9	4.0	0.3	0.5
C21	15. Anus	1	0.1	0.1	0.2	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C22,C24	16. Liver and bile duct	171	13.7	20.3	23.3	1.7	2.6	63	4.6	7.6	8.4	0.5	1.1
C23	17. Gallbladder	7	0.6	0.8	1.0	0.1	0.1	7	0.5	0.8	1.1	0.1	0.2
C25	18. Pancreas	13	1.0	1.5	1.7	0.1	0.2	8	0.6	1.0	1.1	0.1	0.2
C30-31	19. Nose, sinuses etc	3	0.2	0.4	0.3	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C32	20. Larynx	34	2.7	4.0	5.5	0.3	0.8	5	0.4	0.6	0.7	0.0	0.1
C33-34	21. Bronchus, lung	233	18.6	27.6	37.0	1.6	4.4	112	8.2	13.5	15.1	0.8	1.8
C37-38	22. Other thoracic organs	2	0.2	0.2	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C40-C41	23. Bone	9	0.7	1.1	1.2	0.1	0.1	7	0.5	0.8	0.8	0.1	0.1
C43	24. Melanoma of skin	5	0.4	0.6	0.7	0.0	0.0	2	0.1	0.2	0.3	0.0	0.0
C44	25. Other skin	36	2.9	4.3	5.3	0.2	0.6	34	2.5	4.1	4.7	0.2	0.5
C45	26. Mesothelioma	1	0.1	0.1	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C46	27. Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	28. Connective and soft tissue	11	0.9	1.3	1.5	0.1	0.1	11	0.8	1.3	1.4	0.1	0.2
C50	29. Breast	3	0.2	0.4	0.5	0.0	0.0	275	20.2	33.3	31.4	2.6	3.4
C51	30. Vulva							8	0.6	1.0	1.1	0.0	0.2
C52	31. Vagina							3	0.2	0.4	0.4	0.0	0.1
C53	32. Cervix uteri							279	20.5	33.7	32.3	2.5	3.5
C54	33. Corpus uteri							36	2.6	4.4	4.6	0.3	0.5
C55	34. Uterus unspecified							0	0.0	0.0	0.0	0.0	0.0
C56	35. Ovary							53	3.9	6.4	6.4	0.5	0.6
C57	36. Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	37. Placenta							3	0.2	0.4	0.2	0.0	0.0
C60	38. Penis	16	1.3	1.9	2.2	0.1	0.3						
C61	39. Prostate	34	2.7	4.0	5.9	0.0	0.7						
C62	40. Testis	11	0.9	1.3	1.1	0.1	0.1						
C63	41. Other male genital organs	1	0.1	0.1	0.1	0.0	0.0						
C64	42. Kidney	2	0.2	0.2	0.3	0.0	0.1	1	0.1	0.1	0.2	0.0	0.0
C65	43. Renal pelvis	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C66	44. Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	45. Bladder	38	3.0	4.5	6.2	0.3	0.6	14	1.0	1.7	1.8	0.1	0.2
C68	46. Other urinary organs	1	0.1	0.1	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	47. Eye	3	0.2	0.4	0.5	0.0	0.1	1	0.1	0.1	0.2	0.0	0.0
C70-72	48. Brain, nervous system	22	1.8	2.6	2.9	0.2	0.3	17	1.2	2.1	1.8	0.1	0.2
C73	49. Thyroid	11	0.9	1.3	1.1	0.1	0.1	31	2.3	3.7	3.4	0.3	0.3
C74	50. Adrenal gland	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C75	51. Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	52. Hodgkin's disease	3	0.2	0.4	0.3	0.0	0.0	3	0.2	0.4	0.4	0.0	0.0
C82-85,C96	53. Non-Hodgkin lymph	79	6.3	9.4	10.2	0.6	1.1	65	4.8	7.9	7.7	0.6	0.7
C88	54. Immunoproliferative diseases	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	55. Multiple myeloma	9	0.7	1.1	1.3	0.1	0.2	12	0.9	1.5	1.6	0.1	0.2
C91	56. Lymphoid leukaemia	13	1.0	1.5	1.9	0.1	0.1	9	0.7	1.1	1.3	0.1	0.1
C92-94	57. Myeloid leukaemia	30	2.4	3.6	4.2	0.2	0.5	22	1.6	2.7	2.8	0.2	0.3
C95	58. Leukemia unspecified	14	1.1	1.7	2.3	0.1	0.3	16	1.2	1.9	2.3	0.1	0.2
O&U	59. Other and unspecified	81	6.5	9.6	12.0	0.7	1.3	37	2.7	4.5	4.6	0.3	0.5
	All sites	**1250**	**100.0**	**148.3**	**183.6**	**9.8**	**20.9**	**1362**	**100.0**	**164.7**	**167.2**	**11.4**	**18.6**

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Table 3.16.4 Percentage of morphologically verified and death certificate only cases, Rayong, 2004-2006

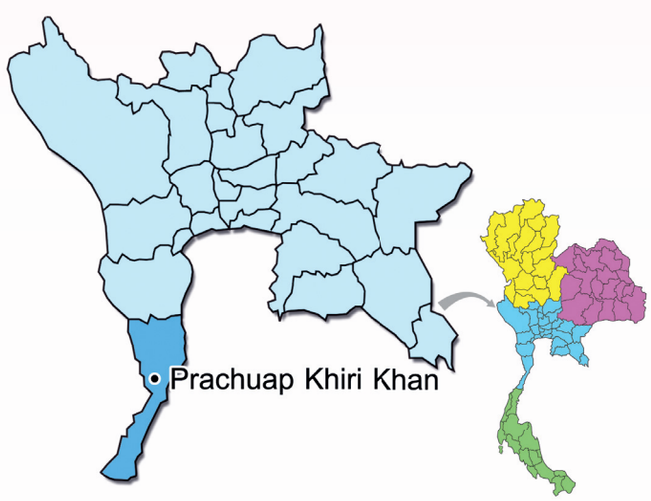
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	01. Oral cavity	66	87.9	4.5	52	80.8	0.0
C09-C10,C14	02. Oropharynx, etc	19	78.9	0.0	3	66.7	0.0
C11	03. Nasopharynx	44	81.8	2.3	16	93.8	0.0
C12-C13	04. Hypopharynx	16	87.5	0.0	1	100.0	0.0
C15	05. Oesophagus	67	76.1	1.5	30	73.3	0.0
C16	06. Stomach	29	65.5	6.9	32	75.0	9.4
C17	07. Small intestine	1	100.0	0.0	2	100.0	0.0
C18-C21	08. Colon and rectum	109	76.1	0.9	86	86.0	1.2
C22,C24	09. Liver and bile duct	171	16.4	7.6	63	15.9	7.9
C23	10. Gallbladder	7	71.4	0.0	7	57.1	0.0
C25	11. Pancreas	13	46.2	7.7	8	12.5	0.0
C30-C31	12. Nose, sinuses etc	3	100.0	0.0	2	100.0	0.0
C32	13. Larynx	34	94.1	0.0	5	60.0	0.0
C33-C34	14. Bronchus, lung	233	51.9	5.2	112	53.6	2.7
C37-C38	15. Other thoracic organs	2	100.0	0.0	1	100.0	0.0
C40-C41	16. Bone	9	33.3	0.0	7	57.1	0.0
C43	17. Melanoma of skin	5	100.0	0.0	2	100.0	0.0
C44	18. Other skin	36	94.4	2.8	34	100.0	0.0
C45	19. Mesothelioma	1	100.0	0.0	1	100.0	0.0
C46	20. Kaposi sarcoma	0	-	-	0	-	-
C47,C49	21. Connective and soft tissue	11	90.9	0.0	11	90.9	0.0
C50	22. Breast	3	33.3	33.3	275	84.0	2.2
C51	23. Vulva				8	87.5	0.0
C52	24. Vagina				3	100.0	0.0
C53	25. Cervix uteri				279	84.2	1.1
C54	26. Corpus uteri				36	83.3	0.0
C55	27. Uterus unspecified				0	-	-
C56	28. Ovary				53	73.6	1.9
C51,C52,C57	29. Other female genital				0	-	-
C58	30. Placenta				3	100.0	0.0
C60	31. Penis	16	87.5	0.0			
C61	32. Prostate	34	58.8	0.0			
C62	33. Testis	11	90.9	0.0			
C63	34. Other male genital organs	1	100.0	0.0			
C64	35. Kidney	2	50.0	0.0	1	100.0	0.0
C65	36. Renal pelvis	1	100.0	0.0	1	100.0	0.0
C66	37. Ureter	0	-	-	0	-	-
C67	38. Bladder	38	73.7	0.0	14	50.0	0.0
C68	39. Other urinary organs	1	0.0	0.0	0	-	-
C69	40. Eye	3	66.7	0.0	1	0.0	0.0
C70-C72	41. Brain, nervous system	22	40.9	13.6	17	64.7	11.8
C73	42. Thyroid	11	100.0	0.0	31	83.9	0.0
C74	43. Adrenal gland	1	100.0	0.0	1	100.0	0.0
C75	44. Other endocrine	0	-	-	0	-	-
C81	45. Hodgkin's disease	3	100.0	0.0	3	100.0	0.0
C82-C85,C96	46. Non-Hodgkin lymph	79	100.0	0.0	65	100.0	0.0
C88	47. Immunoproliferative diseases	1	100.0	0.0	0	-	-
C90	48. Multiple myeloma	9	100.0	0.0	12	100.0	0.0
C91-C95	49. Leukemia	57	100.0	0.0	47	100.0	0.0
O&U	50. Other and unspecified	81	27.2	16.0	37	37.8	21.6
	All site	**1250**	**63.8**	**4.2**	**1362**	**77.1**	**2.3**

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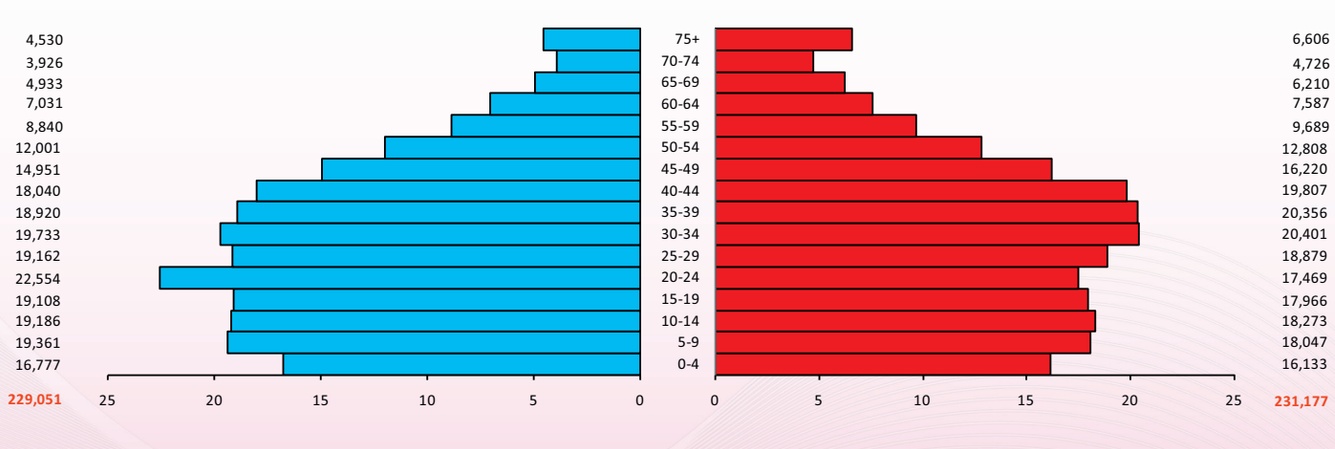
Prachuap Khiri Khan Cancer Registry

Registration area

Prachuap Khiri Khan province is located in the South, about 281 kilometers from Bangkok, at a latitude 11:49 N and longitude 99:48 E, 3 Ft (0 meters) above sea level. To the north of Prachuap Khiri Khan is Phetchaburi province, Chumphon is to the south, the Gulf of Thailand to the east and Myanmar to the west. The total area is 6,368 square kilometers. The province, today, is most famous for its natural charm of beaches and mountains than historical significance. Hua Hin, its major attraction, is one of Thailand's most popular seaside resorts among overseas visitors as well as Thais. Prachuap Khiri Khan is now divided into 7 districts and 1 sub-district.



Population pyramid, Prachuap Khiri Khan, 2005



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Cancer care facilities

Prachuap Khiri Khan cancer registry in under the supervision of the National Cancer Institute. At the primary health care level, there are no facilities for specialized cancer diagnosis and treatment. Prachuap Khiri Khan provincial hospital is a general hospital with no facilities for chemotherapy and radiotherapy. Most cancer patients are referred to cancer centers and the other hospitals for diagnosis and treatment.

Cancer surgery services are provided at Prachuap Khiri Khan provincial hospital and private hospitals. The cancer patients are referred for chemotherapy and radiotherapy to Ratchaburi or Bangkok hospitals.

Registry procedures

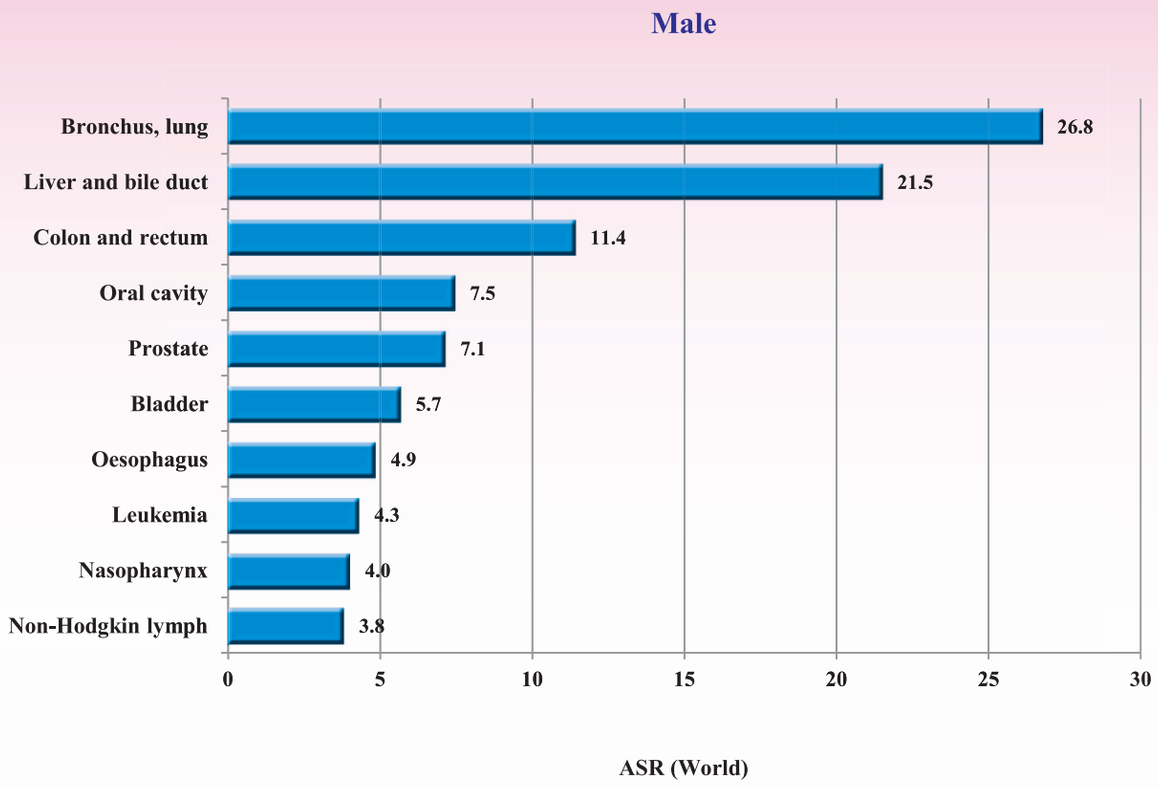
The population-based cancer registry of Prachuap Khiri Khan province was set up at the National Cancer Institute, Bangkok in 1997. The source of information comes from all hospitals in Prachuap Khiri Khan province and Bangkok cancer registry. Cancer cases are collected from the medical records departments, outpatient clinics, pathology laboratories, clinical laboratories and death certificates. All data are checked for duplication, verified, coded and keyed into the Thai Cancer Base Programme and IARC/IACR Cancer Registry tools programme.

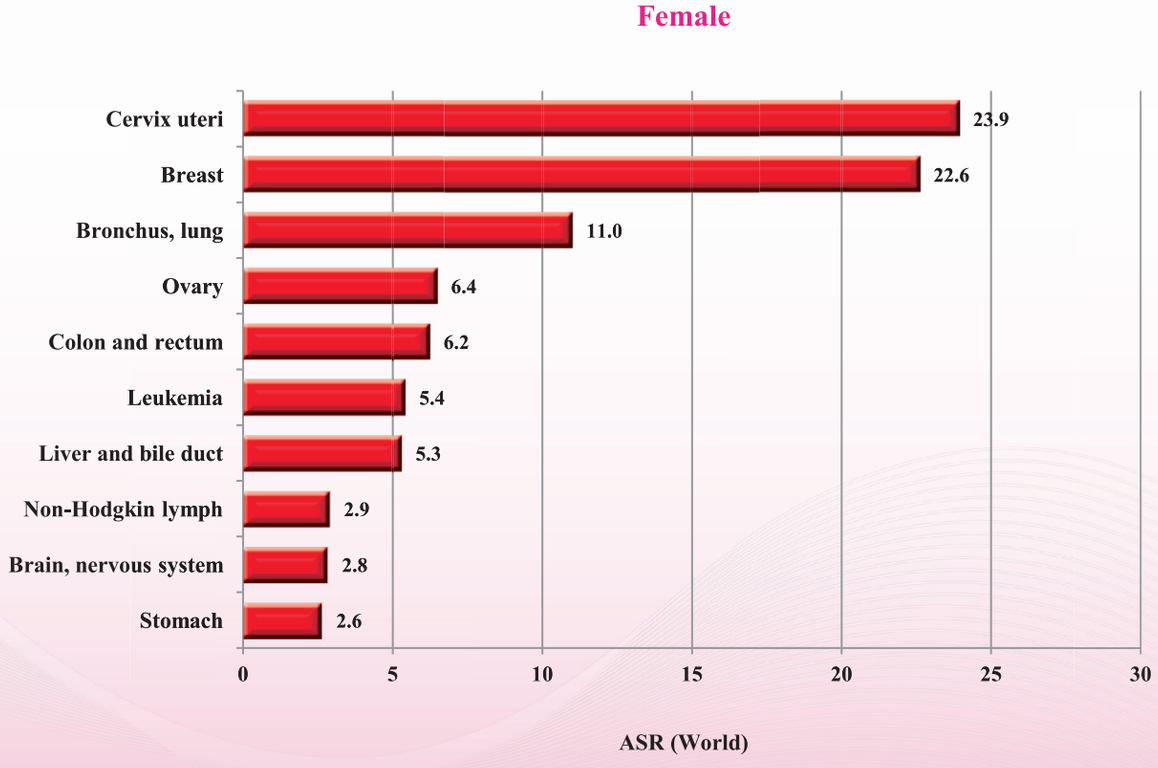
Summary of Results

New cases registered in 2004-2006, 869 were males and 925 were females, making 1,794 for both sexes. The age - standardized incidence rate (ASR) for all sites in males was 137.9 per 100,000 with lung cancer ranking first (ASR = 26.8) followed by liver and bile duct (ASR = 21.5), colon and rectum (ASR = 11.4). The ASR for all cancers in females the 119.1, the three leading sites being cervix (ASR = 23.9), breast (ASR = 22.6) and lung (ASR = 11.0).

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Figure 3.16 Leading cancer in Prachuap Khiri Khan, 2004-2006





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Cancer in thailand.indd 179

Table 3.17.1 Prachuap Khiri Khan (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	7.4	0.3	0.3	C00
Tongue	28	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.7	2.2	16.7	7.5	23.7	20.3	17.0	36.8	4.1	4.3	C01-02
Mouth	17	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.8	0.0	4.5	5.6	7.5	4.7	13.5	8.5	36.8	2.5	2.6	C03-06
Salivary glands	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.3	0.3	C07-08
Tonsil	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.8	0.0	4.7	6.8	0.0	7.4	1.0	1.1	C09
Other oropharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.1	0.2	C10
Nasopharynx	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.5	4.5	8.3	22.6	4.7	33.8	8.5	14.7	3.9	4.0	C11
Hypopharynx	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.2	5.6	0.0	0.0	0.0	0.0	14.7	0.9	0.8	C12-13
Pharynx unspecified	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	7.5	9.5	0.0	0.0	0.0	0.7	0.8	C14
Esophagus	30	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	1.8	6.7	2.8	3.8	14.2	47.3	50.9	36.8	4.4	4.9	C15
Stomach	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.3	0.0	9.5	27.0	25.5	36.8	2.6	3.0	C16
Small intestine	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.1	0.2	C17
Colon	45	0.0	0.0	0.0	0.0	0.0	3.5	3.4	1.8	3.7	0.0	8.3	11.3	28.4	40.5	67.9	88.3	6.5	7.2	C18
Rectum	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	2.2	8.3	3.8	28.4	40.5	25.5	22.1	3.5	4.1	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.1	0.1	C21
Liver and bile duct	137	0.0	0.0	1.7	0.0	0.0	3.5	0.0	3.5	24.0	24.5	47.2	83.0	85.3	114.9	152.8	117.7	19.9	21.5	C22,C24
Gallbladder	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	8.5	7.4	0.4	0.5	C23
Pancreas	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.8	7.5	14.2	0.0	17.0	29.4	2.0	2.2	C25
Nose, sinuses etc.	3	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.4	0.4	C30-31
Larynx	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.5	2.8	3.8	9.5	33.8	17.0	29.4	2.8	3.1	C32
Trachea, Bronchus, and lung	164	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.5	9.2	24.5	52.8	41.5	66.4	229.7	288.7	235.5	23.9	26.8	C33-34
Other thoracic organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.1	0.2	C37-38
Bone	8	0.0	0.0	0.0	1.7	1.5	0.0	0.0	0.0	1.8	0.0	0.0	0.0	19.0	6.8	0.0	0.0	1.2	1.3	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	6.8	0.0	7.4	0.4	0.5	C43
Other skin	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	6.8	17.0	14.7	0.9	1.0	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	10	0.0	0.0	1.7	0.0	0.0	1.7	0.0	1.8	1.8	4.5	2.8	3.8	0.0	6.8	0.0	7.4	1.5	1.4	C47,C49
Breast	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.6	0.0	0.0	0.0	0.0	0.0	0.4	0.4	C50
Penis	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.2	8.3	0.0	4.7	0.0	0.0	7.4	1.2	1.1	C60
Prostate	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11.3	9.5	40.5	93.4	154.5	6.4	7.1	C61
Testis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C62
Other male genital organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	7.4	0.3	0.3	C63
Kidney	6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	13.5	17.0	0.0	0.9	1.1	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.1	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.5	8.3	18.9	9.5	27.0	67.9	73.6	5.2	5.7	C67
Other urinary organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.1	0.1	C68
Eye	3	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	3.8	4.7	0.0	0.0	0.0	0.4	0.5	C69
Brain, nervous system	14	2.0	1.7	1.7	1.7	0.0	1.7	0.0	1.8	0.0	2.2	0.0	3.8	9.5	13.5	0.0	14.7	2.0	2.3	C70-72
Thyroid	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	5	0.0	1.7	0.0	3.5	0.0	1.7	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	C81
Non-Hodgkin lymphoma	25	0.0	0.0	0.0	0.0	4.4	0.0	0.0	3.5	1.8	8.9	11.1	3.8	14.2	33.8	8.5	7.4	3.6	3.8	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.8	0.0	0.0	0.0	0.0	7.4	0.4	0.4	C90
Lymphoid leukemia	19	2.0	3.4	1.7	0.0	1.5	0.0	1.7	0.0	0.0	2.2	5.6	18.9	0.0	13.5	17.0	7.4	2.8	3.0	C91
Myeloid leukemia	8	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.8	0.0	4.5	2.8	0.0	9.5	0.0	0.0	7.4	1.2	1.1	C92-94
Leukemia unspecified	1	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	C95
Other and unspecified	107	2.0	0.0	1.7	0.0	1.5	1.7	5.1	5.3	7.4	24.5	30.6	45.2	37.9	135.1	84.9	154.5	15.6	16.9	O&U
All sites	**869**	**7.9**	**6.9**	**12.2**	**7.0**	**8.9**	**15.7**	**22.0**	**38.8**	**79.5**	**149.4**	**261.1**	**316.7**	**431.4**	**919.0**	**1010.4**	**1221.6**	**126.5**	**137.9**	

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Table 3.17.2 Prachuap Khiri Khan (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.6	0.4	C00
Tongue	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.3	0.2	C01-02
Mouth	12	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	2.6	3.4	4.4	0.0	7.1	35.3	1.7	1.4	C03-06
Salivary glands	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C07-08
Tonsil	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	7	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.6	1.7	0.0	0.0	6.9	0.0	0.0	7.1	5.0	1.0	0.9	C11
Hypopharynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.1	0.2	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.1	0.1	C14
Esophagus	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.4	4.4	0.0	21.2	25.2	1.7	1.5	C15
Stomach	21	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	5.0	6.2	7.8	6.9	8.8	10.7	0.0	25.2	3.0	2.6	C16
Small intestine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C17
Colon	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	13.0	10.3	4.4	26.8	35.3	40.4	4.0	3.7	C18
Rectum	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.7	0.0	7.8	0.0	4.4	16.1	28.2	30.3	2.7	2.4	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.1	0.1	C21
Liver and bile duct	42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.4	12.3	13.0	13.8	26.4	0.0	28.2	55.5	6.1	5.3	C22,C24
Gallbladder	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.1	0.1	C23
Pancreas	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	10.7	14.1	15.1	1.3	1.2	C25
Nose, sinuses etc.	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	5.0	0.4	0.4	C30-31
Larynx	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C32
Trachea, Bronchus, and lung	80	0.0	0.0	0.0	0.0	0.0	0.0	4.9	3.3	3.4	6.2	15.6	24.1	57.1	64.4	127.0	70.6	11.5	11.0	C33-34
Other thoracic organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	5.0	0.3	0.2	C37-38
Bone	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.4	0.4	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.6	0.0	0.0	0.0	0.0	5.0	0.4	0.4	C43
Other skin	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.6	6.9	0.0	10.7	0.0	20.2	1.6	1.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	2.1	0.0	0.0	4.4	0.0	0.0	0.0	0.4	0.4	C47,C49
Breast	179	0.0	0.0	0.0	0.0	0.0	1.8	9.8	29.5	55.5	59.6	59.9	86.0	87.9	53.7	35.3	45.4	25.8	22.6	C50
Vulva	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	10.1	0.4	0.3	C51
Vagina	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	10.1	0.4	0.4	C52
Cervix uteri	187	0.0	0.0	0.0	0.0	0.0	1.8	6.5	24.6	37.0	67.8	91.1	75.7	61.5	59.0	134.0	55.5	27.0	23.9	C53
Corpus uteri	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.2	2.6	6.9	22.0	0.0	0.0	5.0	2.2	2.1	C54
Uterus unspecified	7	0.0	0.0	0.0	0.0	0.0	1.8	1.6	0.0	3.4	0.0	2.6	0.0	0.0	5.4	7.1	0.0	1.0	0.9	C55
Ovary	49	0.0	0.0	0.0	0.0	3.8	0.0	0.0	4.9	11.8	14.4	26.0	24.1	17.6	21.5	28.2	5.0	7.1	6.4	C56
Other female genital	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.1	0.2	C57
Placenta	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C58
Kidney	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	5.4	7.1	10.1	0.9	0.7	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	20.2	0.7	0.6	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	2	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.3	0.3	C69
Brain, nervous system	22	0.0	0.0	1.8	0.0	0.0	3.5	3.3	4.9	5.0	2.1	2.6	10.3	8.8	5.4	14.1	5.0	3.2	2.8	C70-72
Thyroid	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C73
Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	1	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	22	0.0	0.0	0.0	1.9	1.9	0.0	1.6	1.6	5.0	4.1	0.0	3.4	4.4	16.1	35.3	15.1	3.2	2.9	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.4	4.4	0.0	0.0	10.1	0.7	0.6	C90
Lymphoid leukemia	25	0.0	3.7	1.8	5.6	5.7	0.0	1.6	3.3	0.0	0.0	0.0	3.4	8.8	5.4	28.2	25.2	3.6	3.5	C91
Myeloid leukemia	8	0.0	1.8	0.0	0.0	0.0	1.8	3.3	0.0	0.0	0.0	5.2	0.0	0.0	5.4	7.1	0.0	1.2	1.1	C92-94
Leukemia unspecified	4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.1	0.0	0.6	0.8	C95
Other and unspecified	113	0.0	1.8	0.0	0.0	1.9	5.3	6.5	9.8	18.5	24.7	46.8	31.0	30.8	53.7	84.6	95.9	16.3	14.4	O&U
All sites	**925**	**4.1**	**7.4**	**5.5**	**7.4**	**15.3**	**19.4**	**40.8**	**96.6**	**161.6**	**215.8**	**322.7**	**319.9**	**377.8**	**391.8**	**677.2**	**686.2**	**133.4**	**119.1**	

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Table 3.17.3 Annual incidence, Prachuap Khiri Khan, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	2	0.2	0.3	0.3	0.0	0.0	4	0.4	0.6	0.4	0.0	0.0
C01-02	Tongue	28	3.2	4.1	4.3	0.3	0.5	2	0.2	0.3	0.2	0.0	0.0
C03-06	Mouth	17	2.0	2.5	2.6	0.1	0.2	12	1.3	1.7	1.4	0.1	0.1
C07-08	Salivary glands	2	0.2	0.3	0.3	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C09	Tonsil	7	0.8	1.0	1.1	0.1	0.1	1	0.1	0.1	0.1	0.0	0.0
C10	Other oropharynx	1	0.1	0.1	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	27	3.1	3.9	4.0	0.3	0.5	7	0.8	1.0	0.9	0.1	0.1
C12-13	Hypopharynx	6	0.7	0.9	0.8	0.0	0.0	1	0.1	0.1	0.2	0.0	0.0
C14	Pharynx unspecified	5	0.6	0.7	0.8	0.1	0.1	1	0.1	0.1	0.1	0.0	0.0
C15	Esophagus	30	3.5	4.4	4.9	0.2	0.7	12	1.3	1.7	1.5	0.1	0.2
C16	Stomach	18	2.1	2.6	3.0	0.1	0.4	21	2.3	3.0	2.6	0.2	0.2
C17	Small intestine	1	0.1	0.1	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C18	Colon	45	5.2	6.5	7.2	0.3	0.8	28	3.0	4.0	3.7	0.1	0.5
C19-20	Rectum	24	2.8	3.5	4.1	0.2	0.6	19	2.1	2.7	2.4	0.1	0.3
C21	Anus	1	0.1	0.1	0.1	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	137	15.8	19.9	21.5	1.4	2.7	42	4.5	6.1	5.3	0.4	0.5
C23	Gallbladder	3	0.3	0.4	0.5	0.0	0.1	1	0.1	0.1	0.1	0.0	0.0
C25	Pancreas	14	1.6	2.0	2.2	0.1	0.2	9	1.0	1.3	1.2	0.0	0.2
C30-31	Nose, sinuses etc.	3	0.3	0.4	0.4	0.0	0.0	3	0.3	0.4	0.4	0.0	0.1
C32	Larynx	19	2.2	2.8	3.1	0.1	0.4	1	0.1	0.1	0.1	0.0	0.0
C33-34	Trachea, Bronchus, and lung	164	18.9	23.9	26.8	1.0	3.6	80	8.6	11.5	11.0	0.6	1.5
C37-38	Other thoracic organs	1	0.1	0.1	0.2	0.0	0.0	2	0.2	0.3	0.2	0.0	0.0
C40-C41	Bone	8	0.9	1.2	1.3	0.1	0.2	3	0.3	0.4	0.4	0.0	0.0
C43	Melanoma of skin	3	0.3	0.4	0.5	0.0	0.1	3	0.3	0.4	0.4	0.0	0.0
C44	Other skin	6	0.7	0.9	1.0	0.0	0.1	11	1.2	1.6	1.4	0.1	0.1
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	10	1.2	1.5	1.4	0.1	0.1	3	0.3	0.4	0.4	0.0	0.0
C50	Breast	3	0.3	0.4	0.4	0.0	0.0	179	19.4	25.8	22.6	1.9	2.4
C51	Vulva							3	0.3	0.4	0.3	0.0	0.0
C52	Vagina							3	0.3	0.4	0.4	0.0	0.0
C53	Cervix uteri							187	20.2	27.0	23.9	1.8	2.8
C54	Corpus uteri							15	1.6	2.2	2.1	0.2	0.2
C55	Uterus unspecified							7	0.8	1.0	0.9	0.0	0.1
C56	Ovary							49	5.3	7.1	6.4	0.5	0.8
C57	Other female genital							1	0.1	0.1	0.2	0.0	0.0
C58	Placenta							0	0.0	0.0	0.0	0.0	0.0
C60	Penis	8	0.9	1.2	1.1	0.1	0.1						
C61	Prostate	44	5.1	6.4	7.1	0.1	0.8						
C62	Testis	1	0.1	0.1	0.1	0.0	0.0						
C63	Other male genital organs	2	0.2	0.3	0.3	0.0	0.0						
C64	Kidney	6	0.7	0.9	1.1	0.0	0.2	6	0.6	0.9	0.7	0.0	0.1
C65	Renal pelvis	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	36	4.1	5.2	5.7	0.2	0.7	5	0.5	0.7	0.6	0.0	0.0
C68	Other urinary organs	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	3	0.3	0.4	0.5	0.1	0.1	2	0.2	0.3	0.3	0.0	0.0
C70-72	Brain, nervous system	14	1.6	2.0	2.3	0.1	0.2	22	2.4	3.2	2.8	0.2	0.3
C73	Thyroid	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C74	Adrenal gland	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C75	Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	5	0.6	0.7	0.7	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	25	2.9	3.6	3.8	0.2	0.5	22	2.4	3.2	2.9	0.1	0.4
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	3	0.3	0.4	0.4	0.0	0.0	5	0.5	0.7	0.6	0.1	0.1
C91	Lymphoid leukemia	19	2.2	2.8	3.0	0.2	0.3	25	2.7	3.6	3.5	0.2	0.3
C92-94	Myeloid leukemia	8	0.9	1.2	1.1	0.1	0.1	8	0.9	1.2	1.1	0.1	0.1
C95	Leukemia unspecified	1	0.1	0.1	0.2	0.0	0.0	4	0.4	0.6	0.8	0.0	0.1
O&U	Other and unspecified	107	12.3	15.6	16.9	0.8	1.9	113	12.2	16.3	14.4	0.9	1.6
	All sites	**869**	**100.0**	**126.5**	**137.9**	**6.8**	**16.4**	**925**	**100.0**	**133.4**	**119.1**	**8.0**	**13.3**

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Table 3.17.4 Percentage of morphologically verified and death certificate only cases, Prachuap Khiri Khan, 2004-2006

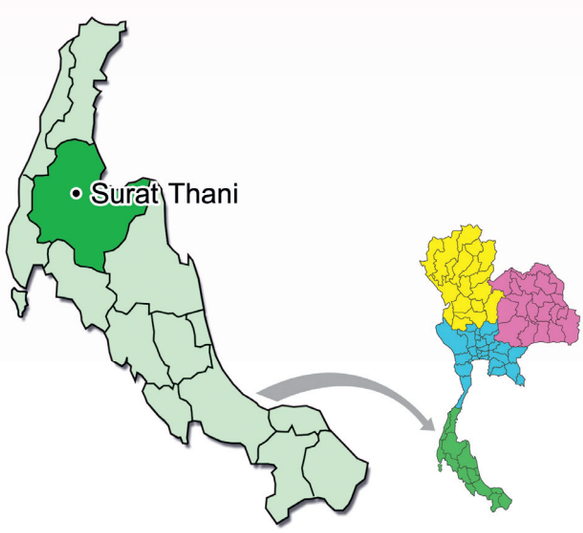
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	49	57.1	4.1	19	63.2	10.5
C09-C10,C14	Oropharynx, etc.	13	76.9	0.0	2	50.0	50.0
C11	Nasopharynx	27	66.7	7.4	7	85.7	0.0
C12-C13	Hypopharynx	6	66.7	0.0	1	0.0	0.0
C15	Esophagus	30	46.7	6.7	12	50.0	16.7
C16	Stomach	18	55.6	11.1	21	76.2	9.5
C17	Small intestine	1	100.0	0.0	0	-	-
C18-C21	Colon and rectum	70	44.3	7.1	48	58.3	2.1
C22,C24	Liver and bile duct	137	21.9	9.5	42	28.6	2.4
C23	Gallbladder	3	33.3	33.3	1	100.0	0.0
C25	Pancreas	14	71.4	0.0	9	22.2	11.1
C30-C31	Nose, sinuses etc.	3	33.3	33.3	3	100.0	0.0
C32	Larynx	19	31.6	31.6	1	100.0	0.0
C33-C34	Trachea, bronchus and lung	164	25.6	6.7	80	30.0	5.0
C37-C38	Other thoracic organs	1	100.0	0.0	2	50.0	0.0
C40-C41	Bone	8	25.0	37.5	3	66.7	33.3
C43	Melanoma of skin	3	100.0	0.0	3	100.0	0.0
C44	Other skin	6	83.3	16.7	11	81.8	18.2
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	10	100.0	0.0	3	100.0	0.0
C50	Breast	3	66.7	0.0	179	71.5	4.5
C51	Vulva				3	66.7	0.0
C52	Vagina				3	100.0	0.0
C53	Cervix uteri				187	81.3	3.7
C54	Corpus uteri				15	73.3	0.0
C55	Uterus unspecified				7	14.3	42.9
C56	Ovary				49	63.3	14.3
C51,C52,C57	Other female genital				1	100.0	0.0
C58	Placenta				0	-	-
C60	Penis	8	75.0	0.0			
C61	Prostate	44	54.5	15.9			
C62	Testis	1	0.0	100.0			
C63	Other male genital organs	2	50.0	0.0			
C64	Kidney	6	50.0	16.7	6	50.0	16.7
C65	Renal pelvis	1	100.0	0.0	0	-	-
C66	Ureter	0	-	-	0	-	-
C67	Bladder	36	61.1	11.1	5	60.0	0.0
C68	Other urinary organs	1	0.0	100.0	0	-	-
C69	Eye	3	66.7	33.3	2	100.0	0.0
C70-C72	Brain, nervous system	14	78.6	21.4	22	72.7	18.2
C73	Thyroid	0	-	-	0	-	-
C74	Adrenal gland	0	-	-	0	-	-
C75	Other endocrine	0	-	-	0	-	-
C81	Hodgkin's disease	5	100.0	0.0	1	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	25	100.0	0.0	22	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	3	100.0	0.0	5	100.0	0.0
C91-C95	Leukemia	28	100.0	0.0	37	100.0	0.0
O&U	Other and unspecified	107	11.2	18.7	113	12.4	10.6
	All sites	**869**	**42.8**	**10.0**	**925**	**60.8**	**6.4**

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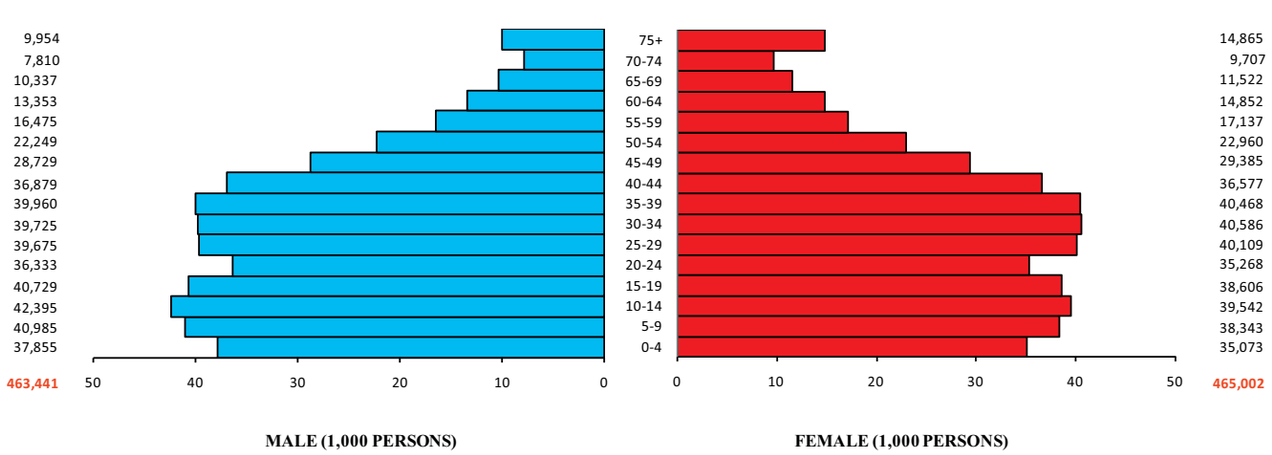
Surat Thani Cancer Registry

Registration area

Surat Thani, one of the 14 provinces of the Southern Region of Thailand, is subdivided into 19 districts, which are further subdivided into 131 subdistricts and 1,028 villages. The population in the year 2005 was 920,283, about 97.5% of which are Buddhists and nearly 2% are Moslems. Christians and others account for less than 0.5% of the population. Surat Thani province borders the Gulf of Thailand to the north and east, Chumphon province to the north, Nakhon Si Thammarat and Krabi provinces to the south, Phang Nga and Ranong provinces to the west and Nakhon Si Thammarat province to the east.



Population pyramid, Surat Thani, 2005



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Cancer care facilities

Community hospitals are provided in all 19 districts of Suratthani. One cancer center (Surat Thani cancer center) is situated in Muaeng district which is the center of the province. The Surat Thani provincial hospital has facilities for cancer surgery and chemotherapy. The Surat Thani cancer center is the only place in the province with radiotherapy services. Patients suspected to have cancer in the health care system and community hospitals are referred to the Surat Thani provincial hospital, Surat Thani cancer center or Songklanagarind hospital.

Registry procedures

All data on cancer patients are collected by a mixture of passive and active methods involving notification by the staff of Suratthani cancer center, Suratthani provincial hospital, one Suratthani provincial hospital, 19 community hospitals, pathological laboratory in Suratthani hospital, cancer registration unit of Songklanagarind hospital and information of deaths from all causes of death from Bureau of health policy and strategy, Ministry of Public Health. All death certificates are matched with the incidence case records of the registry.

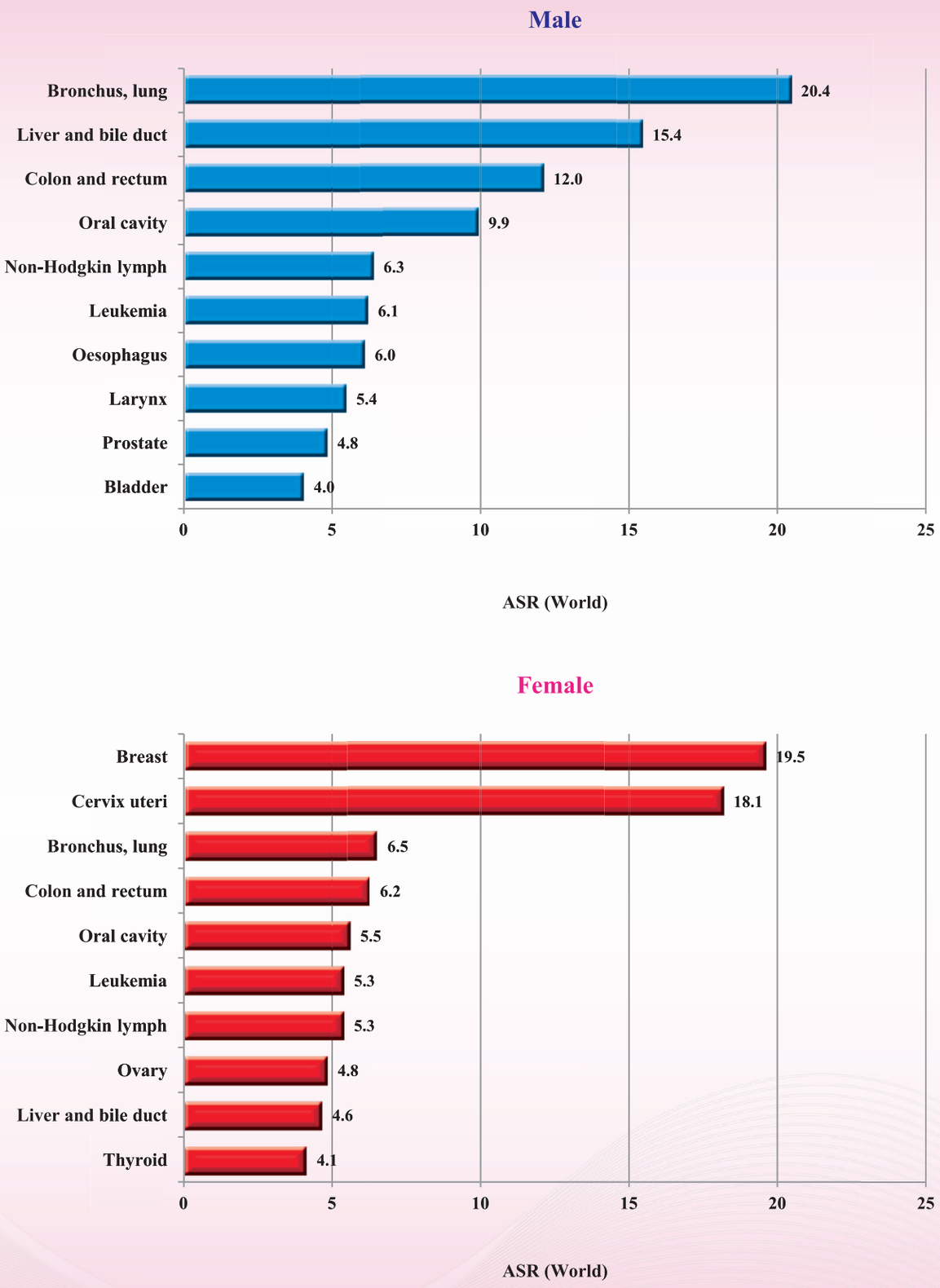
Individual certified as having died of cancer are registered as "Death Certificate Only (DCO)" cases if no other information about the individual can be traced from the other sources.

Summary of Results

New cases registered in 2004-2006, 1,563 were males and 1,561 were females, making 3,124 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males was 122.1 per 100,000 in which lung ranks first cancer ranks first (ASR = 20.4) followed by liver and bile duct (ASR = 15.4), colon and rectum (ASR = 12.0). The ASR of all cancer sites in females was 103.1, the three leading cancers being breast (ASR = 19.5), cervix (ASR = 18.1) and lung (ASR = 6.5).

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Figure 3.17 Leading cancer in Surat Thani, 2004-2006



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Table 3.18.1 Surat Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.1	0.1	C00
Tongue	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.4	5.8	7.5	16.2	20.0	19.3	29.9	46.9	4.4	4.7	C01-02
Mouth	57	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.7	0.0	6.0	6.1	15.0	35.5	42.7	60.3	4.1	4.5	C03-06
Salivary glands	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.2	12.8	3.3	0.4	0.5	C07-08
Tonsil	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9	3.5	6.0	12.1	5.0	6.4	4.3	10.0	1.7	1.8	C09
Other oropharynx	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	4.3	3.3	0.2	0.2	C10
Nasopharynx	31	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8	1.8	3.5	6.0	4.0	15.0	9.7	12.8	16.7	2.2	2.5	C11
Hypopharynx	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.5	1.8	1.2	1.5	16.2	5.0	9.7	17.1	16.7	2.2	2.3	C12-13
Pharynx unspecified	8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9	1.2	0.0	2.0	0.0	3.2	4.3	6.7	0.6	0.6	C14
Esophagus	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	3.5	12.0	28.3	22.5	32.2	42.7	60.3	5.4	6.0	C15
Stomach	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.7	1.2	6.0	8.1	10.0	12.9	17.1	23.4	2.3	2.5	C16
Small intestine	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	5.0	3.2	0.0	0.0	0.3	0.3	C17
Colon	92	0.0	0.0	0.0	0.0	1.8	1.7	0.0	3.3	3.6	5.8	16.5	8.1	17.5	45.1	72.6	73.7	6.6	7.2	C18
Rectum	57	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.6	2.3	4.5	4.0	25.0	41.9	42.7	36.8	4.1	4.7	C19-20
Anus	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	3.2	0.0	0.0	0.1	0.2	C21
Liver and bile duct	201	0.0	0.0	0.0	0.0	0.0	0.8	5.0	7.5	15.4	36.0	37.5	46.5	44.9	83.8	98.2	73.7	14.5	15.4	C22,C24
Gallbladder	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.5	0.0	4.3	3.3	0.4	0.4	C23
Pancreas	27	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	1.8	2.3	3.0	4.0	15.0	3.2	17.1	23.4	1.9	2.1	C25
Nose, sinuses etc.	5	0.0	0.0	0.0	0.0	1.8	0.0	0.8	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	C30-31
Larynx	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	2.3	4.5	12.1	27.5	41.9	51.2	53.6	4.7	5.4	C32
Trachea, Bronchus, and lung	256	0.0	0.0	0.0	0.0	0.0	2.5	5.9	6.7	11.8	23.2	37.5	52.6	87.4	135.4	149.4	140.7	18.4	20.4	C33-34
Other thoracic organs	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.3	1.5	2.0	0.0	3.2	0.0	3.3	0.5	0.5	C37-38
Bone	8	0.0	0.0	0.8	0.0	0.9	0.0	0.8	0.0	0.9	0.0	0.0	0.0	2.5	3.2	0.0	6.7	0.6	0.6	C40-C41
Melanoma of skin	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	3.3	0.3	0.4	C43
Other skin	47	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.5	0.0	4.6	4.5	14.2	12.5	16.1	17.1	50.2	3.4	3.6	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	4	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.3	0.3	C47,C49
Breast	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	3.3	0.2	0.2	C50
Penis	19	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.8	0.0	3.5	4.5	2.0	7.5	6.4	8.5	10.0	1.4	1.5	C60
Prostate	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.2	0.0	8.1	10.0	25.8	46.9	110.5	4.5	4.8	C61
Testis	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.2	0.2	C62
Other male genital organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C63
Kidney	17	0.9	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.9	1.2	4.5	0.0	7.5	6.4	12.8	3.3	1.2	1.4	C64
Renal pelvis	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.1	0.1	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	10.1	15.0	22.6	46.9	50.2	3.5	4.0	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C69
Brain, nervous system	25	0.0	0.8	0.0	3.3	0.9	0.0	1.7	3.3	2.7	1.2	3.0	2.0	7.5	3.2	4.3	3.3	1.8	1.8	C70-72
Thyroid	8	0.0	0.0	0.8	0.0	0.0	1.7	0.8	0.0	0.9	1.2	0.0	2.0	0.0	0.0	4.3	0.0	0.6	0.5	C73
Adrenal gland	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.5	0.0	0.0	3.2	4.3	0.0	0.3	0.3	C74
Other endocrine	1	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C75
Hodgkin disease	5	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.4	0.4	C81
Non-Hodgkin lymphoma	83	1.8	1.6	1.6	3.3	0.0	3.4	0.8	5.0	6.3	5.8	13.5	14.2	20.0	25.8	34.1	33.5	6.0	6.3	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.3	1.5	2.0	5.0	6.4	0.0	10.0	0.9	0.9	C90
Lymphoid leukemia	22	2.6	4.1	0.8	3.3	0.9	0.0	1.7	0.8	0.9	1.2	0.0	0.0	0.0	3.2	0.0	6.7	1.6	1.7	C91
Myeloid leukemia	41	0.9	0.0	0.8	0.8	1.8	0.8	2.5	4.2	0.0	9.3	3.0	4.0	7.5	12.9	17.1	13.4	2.9	3.0	C92-94
Leukemia unspecified	18	0.9	0.0	0.0	0.8	0.9	1.7	0.0	0.0	0.9	1.2	1.5	0.0	5.0	6.4	12.8	10.0	1.3	1.4	C95
Other and unspecified	78	0.0	0.0	0.8	0.8	0.9	0.8	2.5	0.8	2.7	5.8	10.5	14.2	27.5	41.9	34.1	53.6	5.6	6.2	O&U
All sites	**1,563**	**7.0**	**8.1**	**7.1**	**14.7**	**11.9**	**16.0**	**31.0**	**46.7**	**73.2**	**143.9**	**200.8**	**295.4**	**444.3**	**686.9**	**866.4**	**1051.5**	**112.4**	**122.1**	

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Cancer in thailand.indd 187

Table 3.18.2 Surat Thani (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

SITE	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	8.7	13.7	26.9	1.4	1.2	C00
Tongue	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.1	2.9	5.8	2.2	5.8	6.9	6.7	1.2	1.1	C01-02
Mouth	49	1.0	0.0	0.0	0.0	0.0	0.0	0.8	3.3	0.0	1.1	4.4	0.0	6.7	20.3	37.8	40.4	3.5	3.1	C03-06
Salivary glands	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.5	0.2	0.2	C07-08
Tonsil	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.4	0.0	0.1	0.2	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	12	0.0	0.0	0.0	0.0	2.8	0.0	0.8	0.8	0.9	3.4	1.5	1.9	2.2	0.0	0.0	0.0	0.9	0.8	C11
Hypopharynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	2.9	0.0	4.5	0.3	0.2	C12-13
Pharynx unspecified	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C14
Esophagus	32	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.8	0.0	1.5	3.9	9.0	14.5	30.9	17.9	2.3	2.2	C15
Stomach	34	0.0	0.0	0.0	0.0	0.0	0.8	2.5	0.8	1.8	1.1	5.8	1.9	2.2	20.3	3.4	26.9	2.4	2.1	C16
Small intestine	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.1	0.1	C17
Colon	59	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	7.3	4.5	5.8	9.7	6.7	14.5	20.6	42.6	4.2	3.6	C18
Rectum	35	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9	4.5	1.5	5.8	9.0	20.3	34.3	9.0	2.5	2.5	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C21
Liver and bile duct	67	0.0	0.0	0.0	0.0	0.0	0.8	2.5	2.5	5.5	6.8	8.7	11.7	20.2	23.1	34.3	20.2	4.8	4.6	C22,C24
Gallbladder	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.9	6.9	4.5	0.4	0.4	C23
Pancreas	20	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	1.1	1.5	3.9	6.7	0.0	24.0	9.0	1.4	1.3	C25
Nose, sinuses etc.	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C30-31
Larynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.8	0.0	2.2	0.3	0.3	C32
Trachea, Bronchus, and lung	97	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	7.3	5.7	13.1	21.4	24.7	34.7	37.8	58.3	7.0	6.5	C33-34
Other thoracic organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	6.9	0.0	0.2	0.2	C37-38
Bone	5	0.0	0.0	0.0	0.9	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	2.2	0.4	0.3	C40-C41
Melanoma of skin	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.5	0.0	0.0	0.0	0.0	2.2	0.2	0.2	C43
Other skin	42	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	4.5	1.5	0.0	4.5	14.5	30.9	40.4	3.0	2.5	C44
Mesothelioma	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	11	0.0	0.0	0.8	0.0	0.9	0.0	0.0	2.5	0.0	2.3	1.5	1.9	0.0	2.9	3.4	0.0	0.8	0.7	C47,C49
Breast	300	0.0	0.0	0.0	0.0	1.9	1.7	14.8	24.7	46.5	64.7	55.2	37.0	44.9	60.8	68.7	49.3	21.5	19.5	C50
Vulva	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	2.2	0.0	3.4	2.2	0.3	0.3	C51
Vagina	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	3.4	2.2	0.2	0.2	C52
Cervix uteri	274	0.0	0.0	0.0	0.0	0.9	1.7	11.5	23.9	32.8	38.6	65.3	68.1	51.6	46.3	44.6	58.3	19.6	18.1	C53
Corpus uteri	35	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.7	1.1	8.7	17.5	6.7	14.5	10.3	4.5	2.5	2.5	C54
Uterus unspecified	7	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.1	2.9	3.9	0.0	2.9	0.0	0.0	0.5	0.5	C55
Ovary	73	0.0	0.0	0.8	0.9	2.8	2.5	4.9	4.9	4.6	10.2	18.9	3.9	9.0	20.3	10.3	22.4	5.2	4.8	C56
Other female genital	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C57
Placenta	3	0.0	0.0	0.0	0.9	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	C58
Kidney	9	1.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9	0.0	1.5	1.9	0.0	2.9	3.4	4.5	0.6	0.6	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.5	0.0	4.5	5.8	3.4	2.2	0.6	0.6	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C69
Brain, nervous system	18	0.0	1.7	0.8	0.9	0.9	0.0	0.0	0.8	1.8	0.0	0.0	5.8	2.2	8.7	3.4	4.5	1.3	1.3	C70-72
Thyroid	64	0.0	0.0	1.7	0.9	1.9	1.7	6.6	6.6	7.3	12.5	4.4	13.6	2.2	11.6	10.3	9.0	4.6	4.1	C73
Adrenal gland	1	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C81
Non-Hodgkin lymphoma	77	1.0	0.9	1.7	1.7	1.9	1.7	0.8	4.9	0.9	6.8	5.8	19.5	13.5	26.0	37.8	29.2	5.5	5.3	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	23	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.9	1.1	0.0	7.8	9.0	11.6	17.2	6.7	1.6	1.7	C90
Lymphoid leukemia	23	2.9	0.9	0.8	0.9	0.0	0.8	1.6	0.8	2.7	0.0	4.4	1.9	2.2	0.0	6.9	6.7	1.6	1.6	C91
Myeloid leukemia	37	0.0	0.0	0.0	0.0	1.9	4.2	2.5	0.0	6.4	4.5	2.9	5.8	2.2	2.9	6.9	15.7	2.7	2.3	C92-94
Leukemia unspecified	20	1.9	1.7	0.0	0.9	0.0	1.7	0.8	1.6	0.9	1.1	2.9	1.9	2.2	2.9	0.0	6.7	1.4	1.4	C95
Other and unspecified	47	0.0	0.0	0.8	0.0	0.9	4.2	0.0	1.6	0.9	2.3	1.5	7.8	9.0	17.4	27.5	26.9	3.4	3.1	O&U
All sites	**1,561**	**7.6**	**5.2**	**8.4**	**7.8**	**17.0**	**28.3**	**57.5**	**89.8**	**140.3**	**187.2**	**227.9**	**266.5**	**258.1**	**436.8**	**556.3**	**574.1**	**111.9**	**103.1**	

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Table 3.18.3 Annual incidence, Surat Thani, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	2	0.1	0.1	0.1	0.0	0.0	20	1.3	1.4	1.2	0.0	0.1
C01-02	Tongue	61	3.9	4.4	4.7	0.3	0.5	17	1.1	1.2	1.1	0.1	0.1
C03-06	Mouth	57	3.6	4.1	4.5	0.2	0.5	49	3.1	3.5	3.1	0.1	0.4
C07-08	Salivary glands	6	0.4	0.4	0.5	0.0	0.1	3	0.2	0.2	0.2	0.0	0.0
C09	Tonsil	23	1.5	1.7	1.8	0.1	0.2	2	0.1	0.1	0.2	0.0	0.0
C10	Other oropharynx	3	0.2	0.2	0.2	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	31	2.0	2.2	2.5	0.2	0.3	12	0.8	0.9	0.8	0.1	0.1
C12-13	Hypopharynx	30	1.9	2.2	2.3	0.1	0.3	4	0.3	0.3	0.2	0.0	0.0
C14	Pharynx unspecified	8	0.5	0.6	0.6	0.0	0.1	2	0.1	0.1	0.1	0.0	0.0
C15	Esophagus	75	4.8	5.4	6.0	0.3	0.7	32	2.0	2.3	2.2	0.1	0.3
C16	Stomach	32	2.0	2.3	2.5	0.1	0.3	34	2.2	2.4	2.1	0.1	0.2
C17	Small intestine	4	0.3	0.3	0.3	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C18	Colon	92	5.9	6.6	7.2	0.3	0.9	59	3.8	4.2	3.6	0.2	0.4
C19-20	Rectum	57	3.6	4.1	4.7	0.2	0.6	35	2.2	2.5	2.5	0.1	0.4
C21	Anus	2	0.1	0.1	0.2	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C22,C24	Liver and bile duct	201	12.9	14.5	15.4	1.0	1.9	67	4.3	4.8	4.6	0.3	0.6
C23	Gallbladder	5	0.3	0.4	0.4	0.0	0.0	6	0.4	0.4	0.4	0.0	0.1
C25	Pancreas	27	1.7	1.9	2.1	0.1	0.2	20	1.3	1.4	1.3	0.1	0.2
C30-31	Nose, sinuses etc.	5	0.3	0.4	0.3	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C32	Larynx	65	4.2	4.7	5.4	0.2	0.7	4	0.3	0.3	0.3	0.0	0.0
C33-34	Trachea, Bronchus, and lung	256	16.4	18.4	20.4	1.1	2.6	97	6.2	7.0	6.5	0.4	0.7
C37-38	Other thoracic organs	7	0.4	0.5	0.5	0.0	0.0	3	0.2	0.2	0.2	0.0	0.0
C40-C41	Bone	8	0.5	0.6	0.6	0.0	0.0	5	0.3	0.4	0.3	0.0	0.0
C43	Melanoma of skin	4	0.3	0.3	0.4	0.0	0.0	3	0.2	0.2	0.2	0.0	0.0
C44	Other skin	47	3.0	3.4	3.6	0.2	0.4	42	2.7	3.0	2.5	0.1	0.3
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	1	0.1	0.1	0.1	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	4	0.3	0.3	0.3	0.0	0.0	11	0.7	0.8	0.7	0.0	0.1
C50	Breast	3	0.2	0.2	0.2	0.0	0.0	300	19.2	21.5	19.5	1.5	2.1
C51	Vulva							4	0.3	0.3	0.3	0.0	0.0
C52	Vagina							3	0.2	0.2	0.2	0.0	0.0
C53	Cervix uteri							274	17.6	19.6	18.1	1.5	1.9
C54	Corpus uteri							35	2.2	2.5	2.5	0.2	0.3
C55	Uterus unspecified							7	0.4	0.5	0.5	0.0	0.1
C56	Ovary							73	4.7	5.2	4.8	0.3	0.5
C57	Other female genital							0	0.0	0.0	0.0	0.0	0.0
C58	Placenta							3	0.2	0.2	0.2	0.0	0.0
C60	Penis	19	1.2	1.4	1.5	0.1	0.2						
C61	Prostate	62	4.0	4.5	4.8	0.1	0.5						
C62	Testis	3	0.2	0.2	0.2	0.0	0.0						
C63	Other male genital organs	0	0.0	0.0	0.0	0.0	0.0						
C64	Kidney	17	1.1	1.2	1.4	0.1	0.2	9	0.6	0.6	0.6	0.0	0.1
C65	Renal pelvis	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C67	Bladder	49	3.1	3.5	4.0	0.2	0.5	8	0.5	0.6	0.6	0.0	0.1
C68	Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C70-72	Brain, nervous system	25	1.6	1.8	1.8	0.1	0.2	18	1.2	1.3	1.3	0.1	0.1
C73	Thyroid	8	0.5	0.6	0.5	0.0	0.1	64	4.1	4.6	4.1	0.3	0.4
C74	Adrenal gland	4	0.3	0.3	0.3	0.0	0.1	1	0.1	0.1	0.1	0.0	0.0
C75	Other endocrine	1	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	5	0.3	0.4	0.4	0.0	0.0	2	0.1	0.1	0.1	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	83	5.3	6.0	6.3	0.4	0.7	77	4.9	5.5	5.3	0.3	0.6
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	12	0.8	0.9	0.9	0.1	0.1	23	1.5	1.6	1.7	0.1	0.2
C91	Lymphoid leukemia	22	1.4	1.6	1.7	0.1	0.1	23	1.5	1.6	1.6	0.1	0.1
C92-94	Myeloid leukemia	41	2.6	2.9	3.0	0.2	0.3	37	2.4	2.7	2.3	0.2	0.2
C95	Leukemia unspecified	18	1.2	1.3	1.4	0.1	0.2	20	1.3	1.4	1.4	0.1	0.1
O&U	Other and unspecified	78	5.0	5.6	6.2	0.3	0.7	47	3.0	3.4	3.1	0.1	0.4
	All sites	**1563**	**100.0**	**112.4**	**122.1**	**6.5**	**14.3**	**1561**	**100.0**	**111.9**	**103.1**	**6.5**	**11.5**

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Table 3.18.4 Percentage of morphologically verified and death certificate only cases, Surat Thani, 2004-2006

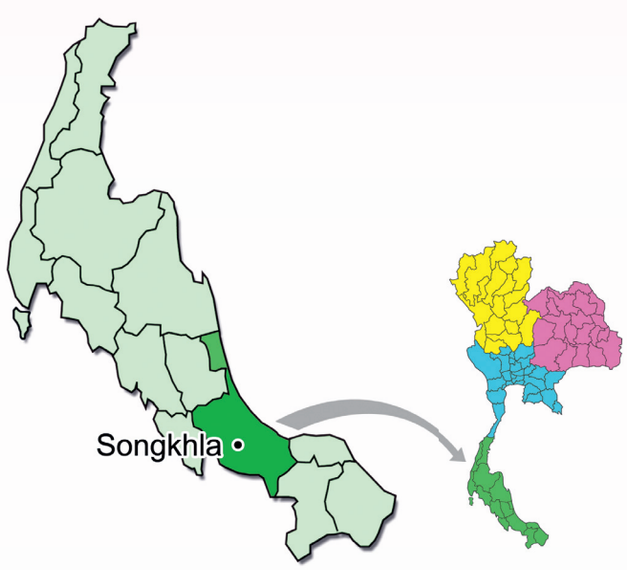
ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	126	88.9	4.0	89	82.0	4.5
C09-C10,C14	Oropharynx, etc.	34	76.5	20.6	4	75.0	0.0
C11	Nasopharynx	31	87.1	0.0	12	83.3	0.0
C12-C13	Hypopharynx	30	86.7	0.0	4	100.0	0.0
C15	Esophagus	75	56.0	18.7	32	78.1	12.5
C16	Stomach	32	68.8	9.4	34	55.9	14.7
C17	Small intestine	4	50.0	0.0	2	50.0	0.0
C18-C21	Colon and rectum	151	74.8	2.0	95	65.3	4.2
C22,C24	Liver and bile duct	201	47.3	35.3	67	50.7	38.8
C23	Gallbladder	5	20.0	20.0	6	66.7	0.0
C25	Pancreas	27	22.2	22.2	20	10.0	20.0
C30-C31	Nose, sinuses etc.	5	100.0	0.0	2	50.0	0.0
C32	Larynx	65	87.7	3.1	4	50.0	0.0
C33-C34	Trachea, bronchus and lung	256	51.6	21.9	97	51.5	17.5
C37-C38	Other thoracic organs	7	85.7	0.0	3	100.0	0.0
C40-C41	Bone	8	25.0	50.0	5	40.0	60.0
C43	Melanoma of skin	4	100.0	0.0	3	100.0	0.0
C44	Other skin	47	95.7	2.1	42	97.6	0.0
C45	Mesothelioma	0	-	-	1	100.0	0.0
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	4	100.0	0.0	11	90.9	9.1
C50	Breast	3	100.0	0.0	300	73.3	4.3
C51	Vulva				4	100.0	0.0
C52	Vagina				3	100.0	0.0
C53	Cervix uteri				274	83.2	1.1
C54	Corpus uteri				35	88.6	0.0
C55	Uterus unspecified				7	28.6	57.1
C56	Ovary				73	68.5	1.4
C51,C52,C57	Other female genital				0	-	-
C58	Placenta				3	100.0	0.0
C60	Penis	19	89.5	0.0			
C61	Prostate	62	71.0	0.0			
C62	Testis	3	100.0	0.0			
C63	Other male genital organs	0	-	-			
C64	Kidney	17	76.5	0.0	9	55.6	0.0
C65	Renal pelvis	1	100.0	0.0	0	-	-
C66	Ureter	0	-	-	0	-	-
C67	Bladder	49	63.3	0.0	8	62.5	0.0
C68	Other urinary organs	0	-	-	0	-	-
C69	Eye	0	-	-	0	-	-
C70-C72	Brain, nervous system	25	72.0	20.0	18	55.6	11.1
C73	Thyroid	8	87.5	0.0	64	73.4	0.0
C74	Adrenal gland	4	75.0	0.0	1	0.0	0.0
C75	Other endocrine	1	100.0	0.0	0	-	-
C81	Hodgkin's disease	5	100.0	0.0	2	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	83	100.0	0.0	77	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	12	100.0	0.0	23	100.0	0.0
C91-C95	Leukemia	81	97.5	2.5	80	90.0	10.0
O&U	Other and unspecified	78	33.3	48.7	47	27.7	44.7
	All sites	**1563**	**68.7**	**13.9**	**1561**	**73.4**	**7.7**

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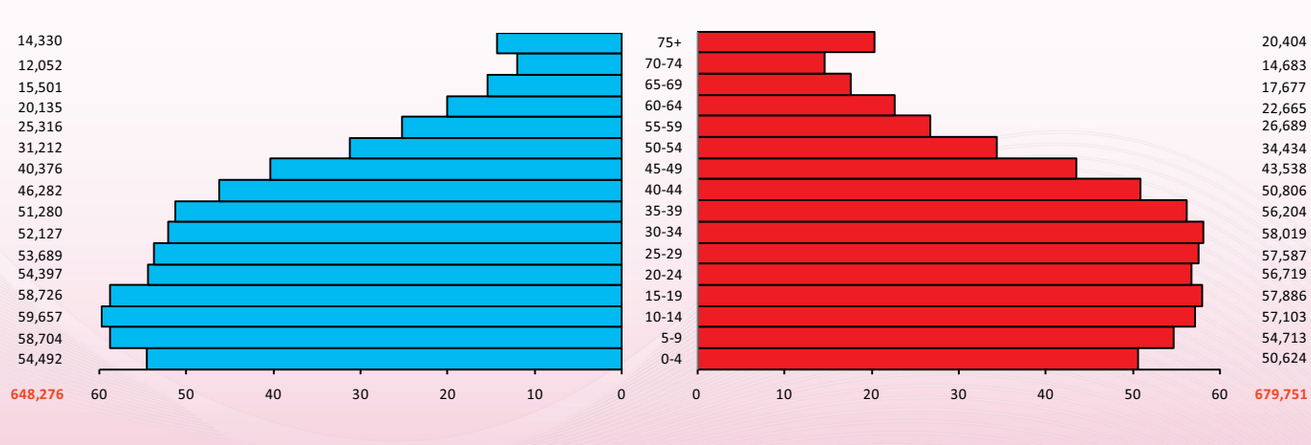
Songkhla Cancer Registry

Registration area

Songkhla is one of 14 provinces located in the southern part of Thailand at latitude 07:12 N and longitude 100:36 E. The land area is 7,394 square kilometres and Songkhla registry covers 16 districts with a population estimated in the year 2002 of 1,283,234. About 80% of the population is Buddhist, and nearly 20% are Moslems. Christians and others account of less than 1% of the population. People with Chinese blood live in Songkhla town and Hat Yai city, which are the economic centres of the south of Thailand.



Population pyramid, Songkhla, 2005



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Cancer care facilities

The government of Thailand predominantly provides general health care in the region. There are three hospitals with over 500 beds, 13 community hospitals and an extensive network of health care facilities at the community level. Private practitioners, a few private hospitals, and a few small special hospitals, all in the urban area, supplement this. The university hospital of Prince of Songkla University is the biggest of the two places in the south of Thailand that provides radiotherapy services. A few other large hospitals also have facilities for cancer surgery and chemotherapy. Patients suspected of having cancer in the health care system and community hospitals are referred to Songkhla, Hat Yai or Songklanagarind hospitals.

Registry procedures

The registry is located within the Faculty of Medicine, Prince of Songkla University. The registry is staffed by three part-time medical doctors, a full-time nurse as a registrar and four full-time workers.

The Songkhla registry undertakes active case finding from 23 sources of data consisting of Songklanagarind hospital, Hat Yai hospital, Songkhla hospital, community hospitals, private hospitals, special hospitals, provincial health office, and the population registration office of the province. The completeness of death registration is acceptable but the cause of death is not so accurate, being mostly cardiopulmonary arrest and senility. After the national health care reform started in 2000, the validity of the death certificates has been improving. The hospital-based registry of the Songklanagarind hospital is also run by the registry staff and the data are shared with the registry of Songkhla. Hat Yai hospital has its own system of cancer case reporting but not a full scale hospital-based cancer registry and provides the cases residing in Songkhla to the registry. The registry staff visit Hat Yai, Songkhla, and private hospitals and consult the medical records and pathology records. Assigned staff in community hospitals send the record forms of cancer cases to the registry once a year. They are regularly visited by registry staff to review procedures. Some cases are sent to the registry by the network of cancer registries in Thailand, especially the registry of Bangkok.

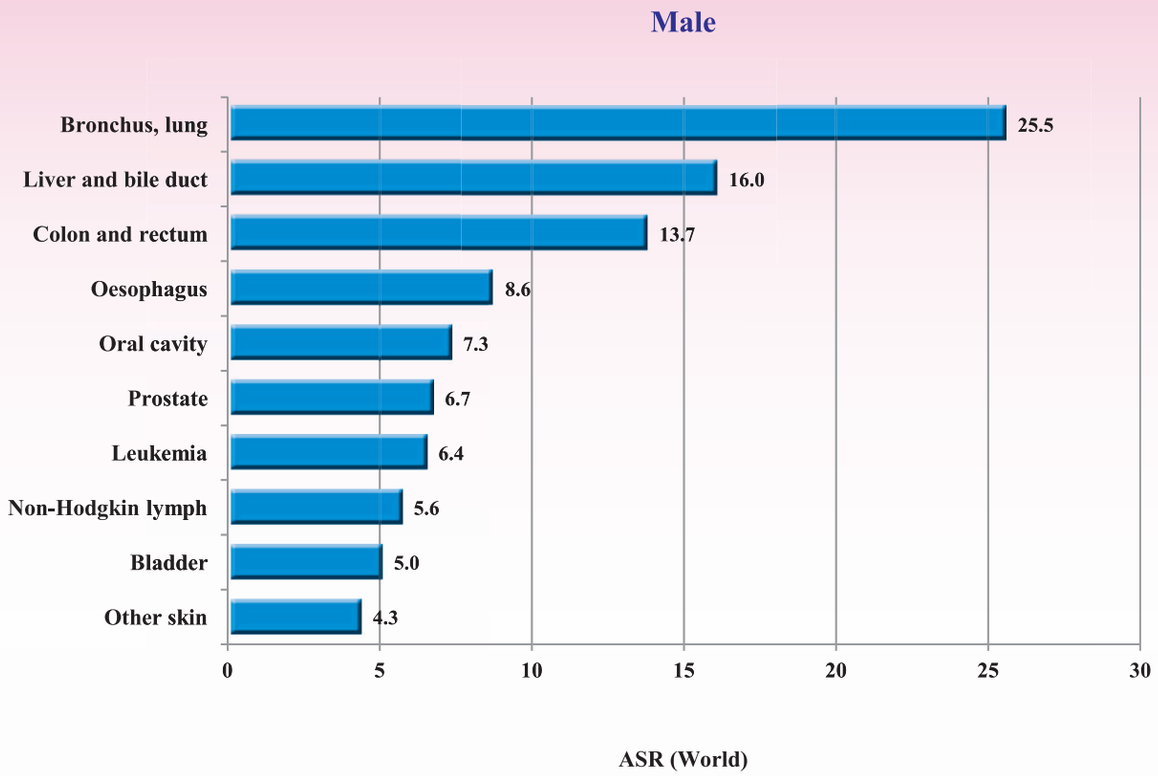
The number of undiagnosed and unregistered cancer cases is difficult to estimate. Some Moslems in a remote area in the south of Songkhla visit large hospitals in the two nearby provinces and some of them, especially the elderly, use traditional herbal medicines and never enter the health care system of the country. Because of the linkage between the referral system and the new national health assurance system, it is expected that only a small number of cancer patients in that remote area seek medical facilities outside the province. A few other cases look for special medical care in Bangkok, the capital of Thailand.

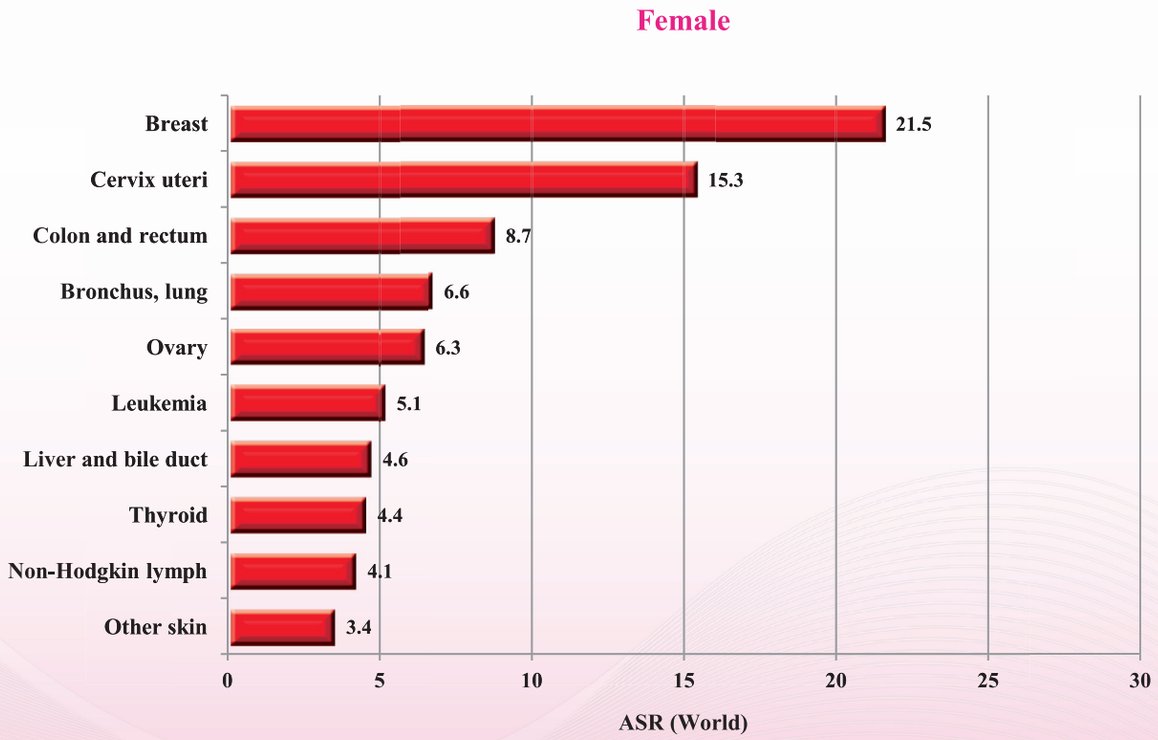
Summary of Results

New cases registered in 2004-2006, 2,592 were males and 2,339 were females, making 4,931 for both sexes. The age - standardized incidence rate (ASR) of all cancer sites in males was 139.0 per 100,000 in with lung cancer ranking first (ASR = 25.5) followed by liver and bile duct (ASR = 16.0), colon and rectum (ASR = 13.7). The ASR of all cancer in females was 106.2, the three leading sites being breast (ASR = 21.5), cervix (ASR = 15.3) and colon and rectum (ASR = 8.7).

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Figure 3.18 Leading cancer in Songkhla, 2004-2006





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Table 3.19.1 Songkhla (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Male

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.2	0.0	2.3	0.2	0.2	C00
Tongue	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.9	3.3	5.3	4.0	16.6	17.2	16.6	37.2	3.0	3.1	C01-02
Mouth	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.7	7.5	9.2	14.9	21.5	19.4	46.5	3.3	3.5	C03-06
Salivary glands	8	0.0	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.7	0.0	0.0	0.0	1.7	2.2	5.5	2.3	0.4	0.4	C07-08
Tonsil	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.5	1.1	1.3	5.0	4.3	16.6	18.6	1.3	1.4	C09
Other oropharynx	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.7	0.0	1.3	3.3	2.2	13.8	16.3	1.0	1.0	C10
Nasopharynx	72	0.0	0.0	0.0	0.6	1.2	0.0	1.9	3.9	5.8	8.3	12.8	14.5	13.2	10.8	2.8	11.6	3.7	3.7	C11
Hypopharynx	45	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.9	1.7	9.6	6.6	9.9	12.9	13.8	16.3	2.3	2.4	C12-13
Pharynx unspecified	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.2	0.0	4.7	0.2	0.2	C14
Esophagus	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.6	9.9	22.4	29.0	36.4	53.8	55.3	53.5	7.8	8.4	C15
Stomach	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.5	1.7	5.3	11.9	5.0	17.2	22.1	27.9	3.1	3.1	C16
Small intestine	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	1.7	0.0	2.8	2.3	0.3	0.3	C17
Colon	139	0.0	0.0	0.6	0.0	0.6	0.0	2.6	3.3	5.0	5.8	18.2	14.5	24.8	40.9	69.1	62.8	7.1	7.4	C18
Rectum	107	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	3.6	1.7	7.5	15.8	24.8	40.9	44.3	67.5	5.5	5.9	C19-20
Anus	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.3	0.0	4.3	5.5	2.3	0.4	0.4	C21
Liver and bile duct	297	0.0	0.0	0.0	0.6	0.0	1.2	3.8	9.1	10.8	24.8	42.7	60.6	87.7	55.9	63.6	95.4	15.3	16.0	C22,C24
Gallbladder	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.0	2.2	0.0	9.3	0.5	0.6	C23
Pancreas	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.1	9.6	7.9	5.0	12.9	11.1	18.6	2.2	2.3	C25
Nose, sinuses etc.	9	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.7	0.0	0.8	1.1	0.0	1.7	0.0	2.8	7.0	0.5	0.5	C30-31
Larynx	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	5.8	11.7	9.2	11.6	23.7	41.5	44.2	4.1	4.3	C32
Trachea, Bronchus, and lung	466	0.0	0.0	0.0	0.0	1.2	2.5	3.8	6.5	11.5	22.3	44.9	60.6	92.7	187.1	201.9	225.6	24.0	25.5	C33-34
Other thoracic organs	8	0.0	0.0	0.0	0.0	0.6	2.5	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.2	2.8	0.0	0.4	0.4	C37-38
Bone	18	0.0	0.0	0.6	2.3	1.2	0.0	0.6	0.0	0.7	0.8	0.0	1.3	1.7	2.2	8.3	4.7	0.9	0.9	C40-C41
Melanoma of skin	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.1	0.0	3.3	0.0	2.8	9.3	0.5	0.5	C43
Other skin	85	0.0	0.0	0.0	0.0	0.0	1.2	0.0	2.0	4.3	2.5	7.5	17.1	9.9	15.1	22.1	69.8	4.4	4.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	26	0.6	0.0	0.0	0.0	1.2	0.6	1.3	2.0	3.6	0.8	1.1	2.6	3.3	2.2	5.5	7.0	1.3	1.3	C47,C49
Breast	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.6	0.0	0.0	0.0	0.0	0.2	0.2	C50
Penis	32	0.0	0.0	0.0	0.0	0.6	1.2	0.6	1.3	0.7	0.0	6.4	1.3	3.3	6.5	5.5	25.6	1.6	1.6	C60
Prostate	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	6.6	26.5	36.6	77.4	118.6	6.3	6.6	C61
Testis	7	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.3	0.0	0.0	0.0	2.6	1.7	2.2	0.0	0.0	0.4	0.4	C62
Other male genital organs	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.1	0.1	C63
Kidney	28	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.5	1.1	7.9	8.3	4.3	5.5	11.6	1.4	1.6	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C66
Bladder	94	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.0	5.8	8.5	7.9	13.2	30.1	44.3	74.4	4.8	5.0	C67
Other urinary organs	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.8	0.0	0.1	0.1	C68
Eye	9	1.2	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.4	0.8	0.0	1.3	0.0	0.0	0.0	0.0	0.5	0.5	C69
Brain, nervous system	50	0.6	4.0	0.6	1.1	1.2	1.2	3.8	0.7	3.6	1.7	6.4	5.3	3.3	6.5	11.1	4.7	2.6	2.6	C70-72
Thyroid	27	0.0	0.0	0.0	0.6	0.6	1.9	1.9	0.7	1.4	0.8	3.2	1.3	0.0	4.3	11.1	11.6	1.4	1.3	C73
Adrenal gland	2	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C74
Other endocrine	3	0.0	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.2	0.1	C75
Hodgkin disease	18	0.0	0.6	0.0	1.1	1.8	1.2	0.0	0.7	2.2	1.7	1.1	1.3	3.3	0.0	0.0	0.0	0.9	0.9	C81
Non-Hodgkin lymphoma	107	1.2	0.6	0.0	1.1	1.8	1.9	2.6	4.6	7.9	4.1	7.5	10.5	23.2	23.7	30.4	41.9	5.5	5.6	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	22	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.4	1.7	2.1	2.6	3.3	6.5	0.0	14.0	1.1	1.1	C90
Lymphoid leukemia	25	4.3	2.3	1.7	1.1	0.6	1.2	0.0	0.0	0.0	0.0	0.0	2.6	1.7	2.2	2.8	2.3	1.3	1.5	C91
Myeloid leukemia	72	3.7	1.1	0.6	2.8	1.8	4.3	3.2	2.0	1.4	3.3	3.2	6.6	9.9	10.8	13.8	23.3	3.7	3.8	C92-94
Leukemia unspecified	21	2.4	0.0	0.6	0.0	1.2	0.6	0.0	0.0	0.0	2.5	2.1	2.6	0.0	4.3	2.8	7.0	1.1	1.2	C95
Other and unspecified	127	1.2	0.0	0.0	0.0	0.6	1.9	1.9	5.9	6.5	6.6	10.7	11.9	19.9	34.4	60.8	53.5	6.5	6.7	O&U
All sites	**2,592**	**17.7**	**8.5**	**5.0**	**12.5**	**19.0**	**24.8**	**31.3**	**56.6**	**94.3**	**132.1**	**268.1**	**348.9**	**500.0**	**709.6**	**918.2**	**1253.8**	**133.3**	**139.0**	

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Table 3.19.2 Songkhla (2004-2006), Annual Incidence per 100,000 by Age Group (years) - Female

Site	Number of cases	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Crude rate	ASR World	ICD - 10
Lip	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.9	6.8	4.9	0.4	0.3	C00
Tongue	13	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.5	2.9	2.5	0.0	3.8	0.0	3.3	0.6	0.6	C01-02
Mouth	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.9	3.8	9.1	14.7	0.9	0.8	C03-06
Salivary glands	11	0.0	0.0	0.0	0.0	0.0	1.2	0.6	1.2	1.3	0.8	0.0	2.5	0.0	0.0	0.0	1.6	0.5	0.5	C07-08
Tonsil	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.9	0.0	6.8	3.3	0.4	0.4	C09
Other oropharynx	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C10
Nasopharynx	24	0.0	0.0	0.0	0.0	1.8	0.0	1.1	1.2	0.7	1.5	5.8	2.5	2.9	1.9	6.8	0.0	1.2	1.1	C11
Hypopharynx	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	4.5	1.6	0.2	0.2	C12-13
Pharynx unspecified	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	C14
Esophagus	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.7	7.4	9.4	13.6	11.4	1.4	1.3	C15
Stomach	38	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.7	2.3	1.9	5.0	7.4	13.2	11.4	16.3	1.9	1.8	C16
Small intestine	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.2	1.5	0.0	2.3	3.3	0.3	0.3	C17
Colon	114	0.0	0.0	0.0	0.0	0.6	0.6	2.9	1.8	3.3	2.3	15.5	20.0	19.1	33.9	22.7	37.6	5.6	5.3	C18
Rectum	73	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.0	2.0	3.8	5.8	12.5	13.2	13.2	29.5	22.9	3.6	3.3	C19-20
Anus	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.1	C21
Liver and bile duct	103	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.8	3.9	3.8	4.8	5.0	22.1	24.5	43.1	45.7	5.1	4.6	C22,C24
Gallbladder	8	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.5	3.8	2.3	4.9	0.4	0.3	C23
Pancreas	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.0	6.2	4.4	5.7	15.9	18.0	1.6	1.4	C25
Nose, sinuses etc.	7	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.9	6.8	1.6	0.3	0.3	C30-31
Larynx	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.9	2.3	1.6	0.2	0.2	C32
Trachea, Bronchus, and lung	147	0.0	0.0	0.0	0.0	0.0	2.3	2.3	3.6	2.6	1.5	13.6	23.7	22.1	39.6	43.1	63.7	7.2	6.6	C33-34
Other thoracic organs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.0	0.0	1.5	0.0	0.0	0.0	0.1	0.1	C37-38
Bone	12	0.0	1.2	0.6	1.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.9	0.6	0.6	C40-C41
Melanoma of skin	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.0	1.2	2.9	0.0	4.5	4.9	0.5	0.4	C43
Other skin	84	0.0	0.0	0.0	0.6	0.6	1.2	1.1	1.2	1.3	2.3	2.9	7.5	5.9	15.1	22.7	65.3	4.1	3.4	C44
Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C45
Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C46
Connective tissue	20	0.7	0.0	0.6	0.6	1.2	0.0	0.6	0.0	0.7	2.3	1.0	2.5	1.5	1.9	2.3	6.5	1.0	0.9	C47,C49
Breast	478	0.0	0.0	0.0	0.0	0.6	1.7	9.8	26.7	56.4	75.8	61.0	64.9	48.5	52.8	59.0	40.8	23.4	21.5	C50
Vulva	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.5	3.8	2.3	0.0	0.3	0.3	C51
Vagina	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	C52
Cervix uteri	341	0.0	0.0	0.0	0.6	0.0	5.8	14.4	24.3	25.6	39.8	43.6	40.0	45.6	45.3	43.1	35.9	16.7	15.3	C53
Corpus uteri	67	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.8	0.7	9.2	12.6	16.2	13.2	7.5	18.2	4.9	3.3	3.2	C54
Uterus unspecified	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.6	0.1	0.1	C55
Ovary	134	0.0	0.6	0.6	0.6	4.1	2.3	1.7	5.3	7.2	10.7	20.3	26.2	20.6	26.4	11.4	13.1	6.6	6.3	C56
Other female genital	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	2.5	0.0	0.0	0.0	0.0	0.2	0.2	C57
Placenta	9	0.0	0.0	0.0	0.6	0.0	0.6	1.7	1.2	0.0	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	C58
Kidney	15	0.7	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	1.5	1.0	0.0	1.5	5.7	4.5	3.3	0.7	0.7	C64
Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C65
Ureter	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	C66
Bladder	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	2.9	0.0	0.0	1.9	4.5	9.8	0.7	0.6	C67
Other urinary organs	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C68
Eye	6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.2	0.0	0.0	0.0	1.6	0.3	0.3	C69
Brain, nervous system	50	2.0	1.8	0.6	1.2	1.2	2.9	3.4	0.6	3.9	5.4	1.0	3.7	1.5	7.5	9.1	1.6	2.5	2.4	C70-72
Thyroid	102	0.0	0.0	0.0	2.3	1.8	4.1	4.6	11.9	3.3	9.2	11.6	8.7	2.9	13.2	15.9	13.1	5.0	4.4	C73
Adrenal gland	3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	C74
Other endocrine	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C75
Hodgkin disease	10	0.0	0.0	0.0	0.0	1.8	0.6	0.6	0.6	0.7	0.8	0.0	0.0	1.5	1.9	0.0	0.0	0.5	0.5	C81
Non-Hodgkin lymphoma	89	0.7	1.2	0.6	0.0	1.8	2.9	1.7	1.2	2.6	7.7	12.6	7.5	8.8	18.9	15.9	26.1	4.4	4.1	C82-85,C96
Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C88
Multiple myeloma	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.8	4.8	1.2	5.9	11.3	6.8	9.8	1.3	1.3	C90
Lymphoid leukemia	29	3.3	1.2	1.8	0.6	0.0	0.6	0.6	3.0	0.7	0.0	0.0	1.2	1.5	3.8	6.8	4.9	1.4	1.5	C91
Myeloid leukemia	60	0.7	0.6	1.2	1.2	2.4	4.6	1.7	1.2	2.0	3.1	4.8	2.5	2.9	15.1	11.4	13.1	2.9	2.8	C92-94
Leukemia unspecified	18	0.7	0.0	0.0	0.0	0.0	0.6	0.6	1.2	0.0	0.0	1.0	0.0	4.4	5.7	2.3	8.2	0.9	0.8	C95
Other and unspecified	90	0.0	0.0	0.0	0.6	0.0	1.7	2.3	4.2	3.3	3.8	11.6	5.0	17.6	17.0	13.6	35.9	4.4	4.0	O&U
All sites	**2,339**	**11.2**	**7.9**	**5.8**	**10.9**	**19.4**	**36.5**	**55.2**	**98.5**	**129.3**	**194.5**	**255.6**	**279.8**	**301.5**	**413.0**	**485.8**	**563.6**	**114.7**	**106.2**	**ALL**

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Table 3.19.3 Annual incidence, Songkhla, 2004-2006

ICD-10	Site	Male						Female					
		No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)	No. cases 3 Year	Freq. (%)	Crude rate (per 100,000)	ASR world (per 100,000)	Cum. Rate. 0-64 (percent)	Cum. Rate. 0-74 (percent)
C00	Lip	3	0.1	0.2	0.2	0.0	0.0	8	0.3	0.4	0.3	0.0	0.0
C01-02	Tongue	58	2.2	3.0	3.1	0.2	0.3	13	0.6	0.6	0.6	0.0	0.1
C03-06	Mouth	65	2.5	3.3	3.5	0.2	0.4	19	0.8	0.9	0.8	0.0	0.1
C07-08	Salivary glands	8	0.3	0.4	0.4	0.0	0.1	11	0.5	0.5	0.5	0.0	0.0
C09	Tonsil	26	1.0	1.3	1.4	0.1	0.2	8	0.3	0.4	0.4	0.0	0.1
C10	Other oropharynx	19	0.7	1.0	1.0	0.0	0.1	0	0.0	0.0	0.0	0.0	0.0
C11	Nasopharynx	72	2.8	3.7	3.7	0.3	0.4	24	1.0	1.2	1.1	0.1	0.1
C12-13	Hypopharynx	45	1.7	2.3	2.4	0.2	0.3	5	0.2	0.2	0.2	0.0	0.0
C14	Pharynx unspecified	4	0.2	0.2	0.2	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C15	Esophagus	151	5.8	7.8	8.4	0.5	1.1	28	1.2	1.4	1.3	0.1	0.2
C16	Stomach	60	2.3	3.1	3.1	0.2	0.4	38	1.6	1.9	1.8	0.1	0.2
C17	Small intestine	6	0.2	0.3	0.3	0.0	0.0	7	0.3	0.3	0.3	0.0	0.0
C18	Colon	139	5.4	7.1	7.4	0.4	0.9	114	4.9	5.6	5.3	0.3	0.6
C19-20	Rectum	107	4.1	5.5	5.9	0.3	0.7	73	3.1	3.6	3.3	0.2	0.4
C21	Anus	7	0.3	0.4	0.4	0.0	0.1	1	0.0	0.0	0.1	0.0	0.0
C22,C24	Liver and bile duct	297	11.5	15.3	16.0	1.2	1.8	103	4.4	5.1	4.6	0.2	0.6
C23	Gallbladder	10	0.4	0.5	0.6	0.0	0.0	8	0.3	0.4	0.3	0.0	0.0
C25	Pancreas	43	1.7	2.2	2.3	0.1	0.3	32	1.4	1.6	1.4	0.1	0.2
C30-31	Nose, sinuses etc.	9	0.3	0.5	0.5	0.0	0.0	7	0.3	0.3	0.3	0.0	0.0
C32	Larynx	79	3.0	4.1	4.3	0.2	0.5	4	0.2	0.2	0.2	0.0	0.0
C33-34	Trachea, Bronchus, and lung	466	18.0	24.0	25.5	1.2	3.2	147	6.3	7.2	6.6	0.4	0.8
C37-38	Other thoracic organs	8	0.3	0.4	0.4	0.0	0.0	3	0.1	0.1	0.1	0.0	0.0
C40-C41	Bone	18	0.7	0.9	0.9	0.0	0.1	12	0.5	0.6	0.6	0.0	0.0
C43	Melanoma of skin	9	0.3	0.5	0.5	0.0	0.0	10	0.4	0.5	0.4	0.0	0.1
C44	Other skin	85	3.3	4.4	4.4	0.2	0.4	84	3.6	4.1	3.4	0.1	0.3
C45	Mesothelioma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C46	Kaposi sarcoma	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C47,C49	Connective tissue	26	1.0	1.3	1.3	0.1	0.1	20	0.9	1.0	0.9	0.1	0.1
C50	Breast	3	0.1	0.2	0.2	0.0	0.0	478	20.4	23.4	21.5	1.7	2.3
C51	Vulva							7	0.3	0.3	0.3	0.0	0.0
C52	Vagina							2	0.1	0.1	0.1	0.0	0.0
C53	Cervix uteri							341	14.6	16.7	15.3	1.2	1.6
C54	Corpus uteri							67	2.9	3.3	3.2	0.3	0.4
C55	Uterus unspecified							3	0.1	0.1	0.1	0.0	0.0
C56	Ovary							134	5.7	6.6	6.3	0.5	0.7
C57	Other female genital							4	0.2	0.2	0.2	0.0	0.0
C58	Placenta							9	0.4	0.4	0.4	0.0	0.0
C60	Penis	32	1.2	1.6	1.6	0.1	0.1						
C61	Prostate	122	4.7	6.3	6.6	0.2	0.8						
C62	Testis	7	0.3	0.4	0.4	0.0	0.0						
C63	Other male genital organs	1	0.0	0.1	0.1	0.0	0.0						
C64	Kidney	28	1.1	1.4	1.6	0.1	0.2	15	0.6	0.7	0.7	0.0	0.1
C65	Renal pelvis	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C66	Ureter	0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0
C67	Bladder	94	3.6	4.8	5.0	0.2	0.6	14	0.6	0.7	0.6	0.0	0.1
C68	Other urinary organs	2	0.1	0.1	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C69	Eye	9	0.3	0.5	0.5	0.0	0.0	6	0.3	0.3	0.3	0.0	0.0
C70-72	Brain, nervous system	50	1.9	2.6	2.6	0.2	0.3	50	2.1	2.5	2.4	0.1	0.2
C73	Thyroid	27	1.0	1.4	1.3	0.1	0.1	102	4.4	5.0	4.4	0.3	0.4
C74	Adrenal gland	2	0.1	0.1	0.1	0.0	0.0	3	0.1	0.1	0.2	0.0	0.0
C75	Other endocrine	3	0.1	0.2	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C81	Hodgkin disease	18	0.7	0.9	0.9	0.1	0.1	10	0.4	0.5	0.5	0.0	0.0
C82-85,C96	Non-Hodgkin lymphoma	107	4.1	5.5	5.6	0.3	0.6	89	3.8	4.4	4.1	0.2	0.4
C88	Immunoproliferative diseases	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
C90	Multiple myeloma	22	0.8	1.1	1.1	0.1	0.1	27	1.2	1.3	1.3	0.1	0.2
C91	Lymphoid leukemia	25	1.0	1.3	1.5	0.1	0.1	29	1.2	1.4	1.5	0.1	0.1
C92-94	Myeloid leukemia	72	2.8	3.7	3.8	0.2	0.3	60	2.6	2.9	2.8	0.1	0.3
C95	Leukemia unspecified	21	0.8	1.1	1.2	0.1	0.1	18	0.8	0.9	0.8	0.0	0.1
O&U	Other and unspecified	127	4.9	6.5	6.7	0.3	0.8	90	3.8	4.4	4.0	0.3	0.4
	All sites	**2592**	**100.0**	**133.3**	**139.0**	**7.6**	**15.7**	**2339**	**100.0**	**114.7**	**106.2**	**7.0**	**11.5**

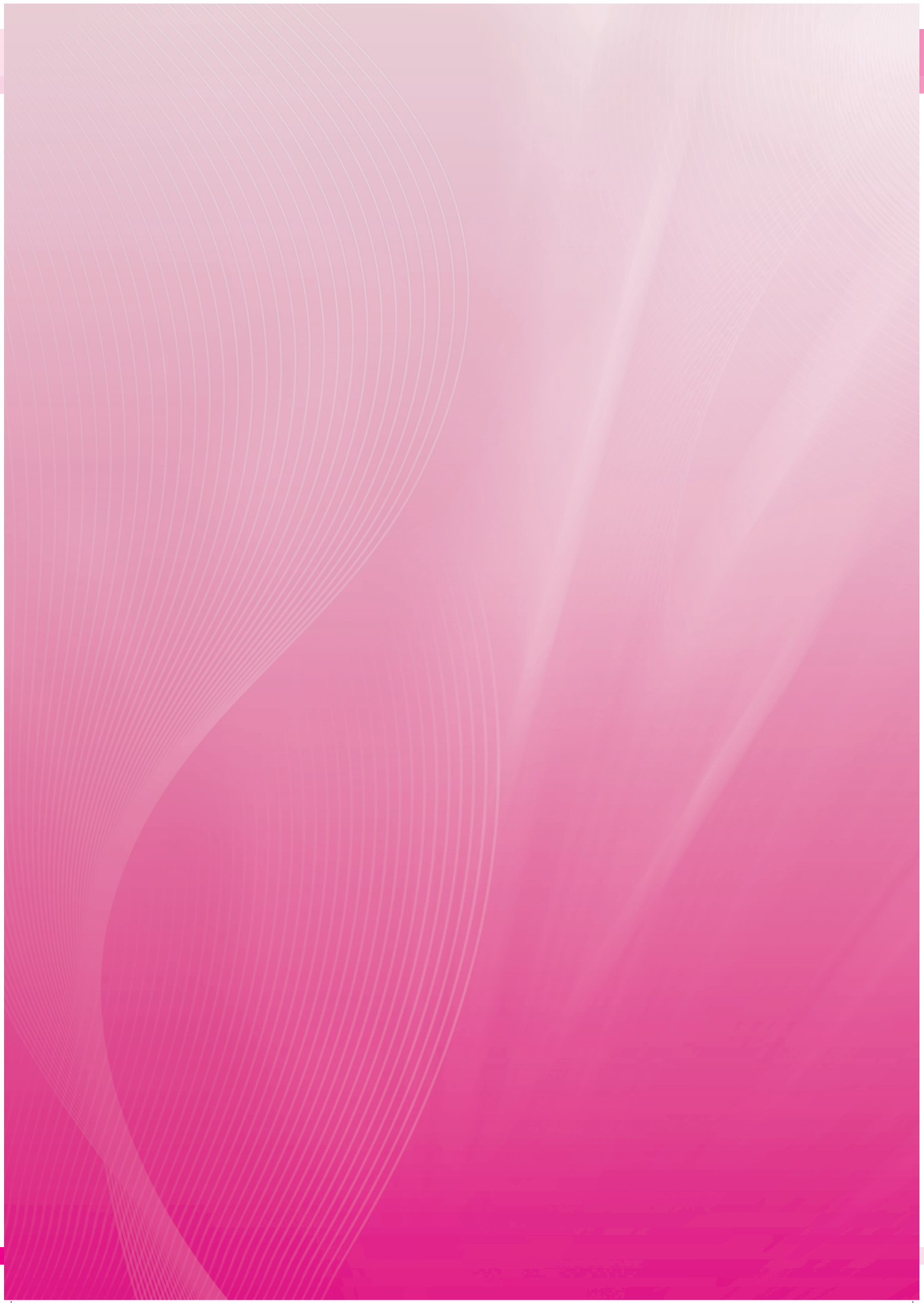
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Table 3.19.4 Percentage of morphologically verified and death certificate only cases, Songkhla, 2004-2006

ICD-10	Site	Male			Female		
		Case	%MV	%DCO	Case	%MV	%DCO
C00-C08	Oral cavity	134	91.0	2.2	51	88.2	2.0
C09-C10,C14	Oropharynx, etc.	49	98.0	2.0	9	88.9	0.0
C11	Nasopharynx	72	97.2	1.4	24	95.8	0.0
C12-C13	Hypopharynx	45	97.8	0.0	5	80.0	0.0
C15	Esophagus	151	84.1	0.7	28	96.4	0.0
C16	Stomach	60	86.7	1.7	38	86.8	2.6
C17	Small intestine	6	66.7	0.0	7	71.4	0.0
C18-C21	Colon and rectum	253	89.3	2.4	188	86.7	2.1
C22,C24	Liver and bile duct	297	18.2	4.4	103	38.8	5.8
C23	Gallbladder	10	40.0	0.0	8	62.5	12.5
C25	Pancreas	43	27.9	2.3	32	28.1	6.3
C30-C31	Nose, sinuses etc.	9	88.9	11.1	7	85.7	0.0
C32	Larynx	79	91.1	0.0	4	100.0	0.0
C33-C34	Trachea, bronchus and lung	466	68.7	6.9	147	70.7	9.5
C37-C38	Other thoracic organs	8	75.0	12.5	3	66.7	0.0
C40-C41	Bone	18	66.7	5.6	12	66.7	25.0
C43	Melanoma of skin	9	100.0	0.0	10	100.0	0.0
C44	Other skin	85	94.1	3.5	84	95.2	1.2
C45	Mesothelioma	0	-	-	0	-	-
C46	Kaposi sarcoma	0	-	-	0	-	-
C47,C49	Connective and soft tissue	26	84.6	0.0	20	90.0	0.0
C50	Breast	3	100.0	0.0	478	95.8	0.6
C51	Vulva				7	100.0	0.0
C52	Vagina				2	100.0	0.0
C53	Cervix uteri				341	95.0	0.3
C54	Corpus uteri				67	97.0	0.0
C55	Uterus unspecified				3	66.7	0.0
C56	Ovary				134	87.3	1.5
C51,C52,C57	Other female genital				4	100.0	0.0
C58	Placenta				9	11.1	0.0
C60	Penis	32	93.8	0.0			
C61	Prostate	122	79.5	1.6			
C62	Testis	7	85.7	0.0			
C63	Other male genital organs	1	100.0	0.0			
C64	Kidney	28	75.0	3.6	15	60.0	6.7
C65	Renal pelvis	0	-	-	0	-	-
C66	Ureter	0	-	-	1	100.0	0.0
C67	Bladder	94	87.2	1.1	14	85.7	7.1
C68	Other urinary organs	2	100.0	0.0	0	-	-
C69	Eye	9	77.8	11.1	6	66.7	0.0
C70-C72	Brain, nervous system	50	46.0	10.0	50	52.0	6.0
C73	Thyroid	27	92.6	0.0	102	95.1	0.0
C74	Adrenal gland	2	50.0	0.0	3	100.0	0.0
C75	Other endocrine	3	66.7	0.0	0	-	-
C81	Hodgkin's disease	18	100.0	0.0	10	100.0	0.0
C82-C85,C96	Non-Hodgkin lymphoma	107	100.0	0.0	89	100.0	0.0
C88	Immunoproliferative diseases	0	-	-	0	-	-
C90	Multiple myeloma	22	100.0	0.0	27	100.0	0.0
C91-C95	Leukemia	118	91.5	8.5	107	95.3	4.7
O&U	Other and unspecified	127	51.2	26.0	90	54.4	18.9
	All sites	**2592**	**73.8**	**4.6**	**2339**	**85.6**	**2.8**

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