

Malaysia Cancer Statistics DATA AND FIGURE

Peninsular Malaysia 2006

NCR
National Cancer Registry

**MALAYSIAN CANCER STATISTICS
- DATA AND FIGURE
PENINSULAR MALAYSIA
2006**

National Cancer Registry



Ministry of Health Malaysia

@ National Cancer Registry, Malaysia

ISBN 978-983-3433-51-3

Published by:

National Cancer Registry, Ministry of Health Malaysia

Editors :

Dr. Zainal Ariffin Omar, MD, MPH, MSc(Epid)
Dr. Zainudin Mohd. Ali, MD, MPH, MPH(Epid)
Dr. Nor Saleha Ibrahim Tamin, MD, MPH(Occ. Health)

This report is copyright. However it may be reproduced freely without NCR permission.
Acknowledgement would be appreciated.

CONTENTS

	Page
ACKNOWLEDGEMENTS	iii
PARTICIPATING CENTRES	iv
LIST OF TABLES	x
LIST OF FIGURES	xix
1. INTRODUCTION	1
2. BACKGROUND	1
2.1 Geography	1
2.2 Population	2
2.3 Health Status	4
3. METHODS	5
4. REPORT SUMMARY	8
4.1 Overall Cancer Incidence And Burden	8
4.2 Variation In Cancer Incidence By Sex ,Age And Ethnicity	8
4.3 Selected Cancer Sites	8
4.3.1. Female Breast Cancer	9
4.3.2. Colorectal Cancer	9
4.3.3. Lung Cancer	9
4.3.4. Cervical Cancer	9
4.3.5. Nasopharyngeal Cancer	9
4.3.6. Liver Cancer	10
4.3.7. Prostate Cancer	10
5. CANCER INCIDENCE IN PENINSULAR MALAYSIA 2006	11
5.1 Overall cancer incidence	11
5.2 Cancer incidence by site	13
5.2.1. Sex differences in cancer incidence by site	13
5.2.2. Ethnic variation in cancer incidence by site	21
5.2.3. Age variation in cancer incidence by site	35
6. SELECTED CANCER SITES	46
6.1 Tongue	46
6.2 Salivary Gland	48
6.3 Mouth	50
6.4 Nasopharynx	52
6.5 Oesophagus	54
6.6 Stomach	56
6.7 Colorectal	58
6.8 Liver	60
6.9 Gallbladder	62
6.10 Pancreas	64
6.11 Nose And Sinuses	66

6.12	Larynx	68
6.13	Lung	70
6.14	Bone	72
6.15	Other Skin	74
6.16	Melanoma	76
6.17	Female Breast	78
6.18	Cervix Uteri	80
6.19	Corpus Uteri	82
6.20	Ovary	84
6.21	Prostate	86
6.22	Bladder	88
6.23	Kidney And Other Urinary Organs	90
6.24	Brain And Other Nervous System	92
6.25	Thyroid	94
6.26	Lymphoma	96
6.27	Leukaemia	98

APPENDICES		100
Appendix 1	New cases of cancer and percentage of total number of cases, by site, age and sex, Peninsular Malaysia 2006	100
Appendix 2	Age Specific Cancer Incidence per 100,000 population, Age standardized incidence and Cumulative risk, by site, age and sex, Peninsular Malaysia 2006	106
Appendix 3	The world standard population	112

ACKNOWLEDGEMENTS

The National Cancer Registry under the Public Health Department, Ministry of Health Malaysia, for this NCR 2006 report would like to extend its appreciation to all individuals, organizations that had directly and indirectly made the contribution, that made this NCR 2006 report possible.

We would like to thank especially the following:

1. The Honourable Minister of Health Malaysia, Y.B. Dato' Chua Soi Lek.
2. Director General of Health Malaysia, Tan Sri Dato' Seri Dr. Hj Mohd Ismail Bin Merican
3. Deputy Director General of Health Malaysia (Public Health) Dato' Dr. Hj Ramlee bin Rahmat.
4. Deputy Director General of Health Malaysia (Medical) Dato' Dr Noorimi bt Morad.
5. Director of Disease Control Division, Ministry of Health Malaysia, Dato' Dr. Hasan bin Abdul Rahman.
6. Deputy Director of the Information and Documentation System (IDS) Unit of MOH, and all medical record departments from all participating hospitals.
7. State Directors, State Epidemiologists and their staff from all the states involved for their continuous commitment and support.
8. Head of Department, Oncology Department, HKL, Dr. Gerard Lim Chin Chye for his continuous support.
9. Oncologists, pathologists, other discipline specialists, palliative care professionals, and all other members of the medical profession from various government, universities, non-governmental and private centres, upon whose commitment, hard work, and timely data submission, this report ultimately depended on.
10. Director of National Registration Department and NRD staff for their assistance and support.
11. MAKNA (National Cancer Council) Malaysia and their committed staff for their continuous support.
12. All other individuals and organizations, those who are not mention here, whom we deeply appreciate and humbly we would like to thank them, for without their continuous support and contributions, this report may not possible to be published.

STAFF OF THE NATIONAL CANCER REGISTRY (2006)

Cancer Registry Manager	Ms. Tom Asiah Mohd Ali
Data Coordinator	Ms. Yogespriya Sheeraman
Clinical Registry Associate	Ms. Nurul Huda Abdullah
Clinical Registry Associate	Ms. Nora Mohd Jelas
Clinical Registry Associate	Ms. Sharmila Saari

NATIONAL CANCER REGISTRY PARTICIPATING CENTRES 2006

1. Arunamari Specialist Medical Centre, Klang
2. Advanced Medical And Dental Institute, Universiti Sains Malaysia
3. AusHealth Gleneagles Oncology Centre, Kuala Lumpur
4. Bala Sugical Specialist Centre, Petaling Jaya
5. Ballan Surgical Specialist Centre, Johor Specialist Hospital
6. BP Clinical Lab Sdn.Bhd., Kuala Lumpur
7. BP Clinical Lab Sdn.Bhd. Penang
8. Breast & Endocrine Surgery Department, Hospital Putrajaya
9. Breast Clinic, Surgery Department, Hospital Melaka
10. Breast Surgery Department, Hospital Kuala Lumpur
11. Breast Surgery Department, Universiti Malaya Medical Centre
12. Buddhist Tzu Chi Palliative Home Penang
13. Cancer Research Centre, Stomatology Unit, Institute for Medical Research
14. Cancer Treatment Centre, National Cancer Society of Malaysia
15. Cancerlink Faoundation, Kuala Lumpur
16. Cancerlink Foundation, Penang
17. Cancerlink Society of Malaysia, Kuantan Branch
18. Chest Clinic, Hospital Ipoh
19. Chest Clinic, Hospital Melaka
20. Clinipath Malaysia Sdn.Bhd. Kuala Lumpur
21. Dermatology , Hospital Kuala Lumpur
22. Diagnostic Imaging Department, Hospital Melaka
23. Diagnostic Imaging Department, Hospital Melaka
24. Chang Surgical Clinic, Gleneagles Intan Medical Centre Kuala Lumpur
25. Ng Surgical Clinic, Gleneagles Intan Medical Centre Kuala Lumpur
26. Ear Nose Throat Head & Neck Surgery Clinic, Taiping Medical Centre
27. Endoscopy Clinic, Lam Wah Ee Hospital, Pulau Pinang
28. ENT, Head & Neck Surgery Clinic, Public Specialist Centre, Pulau Pinang
29. ENT, Head & Neck Surgery Clinic, Hospital Serdang
30. ENT, Head & Neck Surgery Clinic, Hospital Ipoh
31. Gastro Centre, Ipoh
32. Gastroenterology Clinic, Pantai Ayer Keroh Hospital
33. Gastroenterology Unit, Hospital Sultanah Aminah, Johor Bahru
34. Gastroenterology Unit, Hospital Tuanku Jaafar, Seremban
35. Gastroenterology Unit, Medical Department. Hospital Kuala Lumpur
36. Gastrointestinal Endoscopy Unit, Universiti Malaya Medical Centre
37. General Surgery Department , Hospital Queen Elizabeth , Kota Kinabalu
38. General Surgery Department , Hospital Sultan Ismail Johor Bahru
39. General Surgery Clinic, Taiping Medical Centre
40. General Surgery Clinic, Johor Specialist Hospital
41. General Surgery Department, Kuantan Specialist Hospital Sdn.Bhd.
42. General Surgery Clinic, Pantai Cheras Medical Centre, Kuala Lumpur
43. General Surgery Clinic, Pantai Medical Centre, Kuala Lumpur
44. General Surgery Clinic, Penang Adventist Hospital

45. General Surgery Department, Hospital Sultanah Nur Zahirah, Kuala Terengganu
46. General Surgery Department, Hospital Melaka
47. General Surgery Department, Hospital Pakar Sultanah Fatimah, Muar
48. General Surgery Department, Hospital Pulau Pinang
49. General Surgery Department, Hospital Tuanku Jaafar, Seremban
50. General Surgery Department, Hospital Sultanah Aminah, Johor Bahru
51. General Surgery Department, Hospital Sultan Abdul Halim, Sungai Petani
52. General Surgery Department, Hospital Tengku Ampuan Afzan, Kuantan
53. Gribbles Pathology (M) Sdn.Bhd. Ipoh
54. Gribbles Pathology (M) Sdn.Bhd. Melaka
55. Gribbles Pathology (M) Sdn.Bhd. Pulau Pinang
56. Gribbles Pathology (M) Sdn.Bhd. Petaling Jaya
57. Gynae-Oncology Clinic, O & G Department, Hospital Alor Setar
58. Haematology Clinic, Medical Department, Hospital Melaka
59. Haematology Clinic, Medical Department, Hospital Pulau Pinang
60. Haematology Clinic, Medical Department, Hospital Queen Elizabeth, Kota Kinabalu
61. Haematology Department, Hospital Ampang Puteri Specialist
62. Haematology Department, Hospital Ampang
63. Haematology Department, Hospital Kuala Lumpur
64. Haematology Department, Hospital Universiti Kebangsaan Malaysia
65. Haematology Unit, Gribbles Pathology (M) Sdn.Bhd. Petaling Jaya
66. Haematology Unit, Hospital Ipoh
67. Haematology Unit, Mahkota Medical Centre, Melaka
68. Haematology Unit, Medical Department, Hospital Sultanah Aminah, Johor Bahru
69. Haematology Unit, Pathology Department, Hospital Universiti Sains Malaysia
70. Haematolo-Oncology Centre, Gleneagles Medical Centre, Penang
71. Haematology Department, Pulau Pinang
72. Hepatobiliary Surgery Department, Hospital Selayang
73. Hospis Association, Sandakan
74. Hospis Association, Tawau
75. Hospis, Malacca
76. Hospis Malaysia, Kuala Lumpur
77. Hospis, Klang
78. Institute of Respiratory Medicine, Kuala Lumpur
79. IPR, Hospital Ipoh
80. Jabatan Pengimejan Diagnostik, Hospital Kuala Lumpur
81. Jabatan Kesihatan Negeri Sabah
82. Jabatan Pengimejan Diagnostik, Hospital Putrajaya
83. Jabatan Pengimejan Diagnostik, Hospital Tengku Ampuan Afzan, Kuantan
84. LabLink (M) Sdn.Bhd. Ipoh
85. Lab H.K. Terengganu
86. LabLink (M) Sdn.Bhd. Kuala Lumpur

87. Lum Specialist Surgical Clinic, Kajang
88. Mahendra Mano Specialist Surgical Clinic Sdn.Bhd. Ipoh
89. MD Clinic and Specialist Laboratory, Kuching
90. Medical Record Department, Island Hospital Pulau Pinang
91. Medical Record Department, Penang Adventist Hospital
92. Neurosurgery Clinic, Lam Wah Ee Hospital, Pulau Pinang
93. Neurosurgery Clinic, Pantai Medical Centre, Kuala Lumpur
94. Neurosurgery, UiTM
95. Neurosurgery Department, Hospital Kuala Lumpur
96. Neurosurgery Department, Hospital Umum Sarawak
97. Neurosurgery Department, Hospital Pulau Pinang
98. NCI Cancer Hospital, Nilai
99. Nuclear Medicine Radiotherapy & Oncology Department, Hospital Universiti Sains Malaysia
100. Obstetrics & Gynaecology Department, Hospital Tuanku Jaafar, Seremban
101. Obstetrics & Gynaecology Department, Hospital Kuala Lumpur
102. Obstetrics & Gynaecology Department, Hospital Ipoh
103. Obstetrics & Gynaecology Department, Hospital Sultan Ismail
104. Obstetrics & Gynaecology Department, Hospital Kuala Pilah
105. Oral Pathology, Oral Medicine and Periodontology Department, Universiti Malaya
106. Otorhinolaryngology Department, Hospital Serdang
107. Otorhinolaryngology-Head & Neck Surgery, Seremban Specialist Hospital
108. Otorhinolaryngology Department, Hospital Kuala Lumpur
109. Orthophedic, Hospital Kuala Lumpur
110. Orthopedic Hospital Ipoh
111. Orthopedic Hospital Tengku Abdul Rahman
112. Ophthalmology Hospital Kuala Lumpur
113. Paediatric Oncology Department, Hospital Kuala Lumpur
114. Paediatric Oncology Department, Hospital Universiti Sains Malaysia
115. Paediatric Oncology Department, Universiti Malaya Medical Centre
116. Paediatric Oncology Unit, Hospital Umum Sarawak
117. Paediatric Oncology Department Department Hospital Universiti Kebangsaan Malaysia
118. Paediatric Oncology Unit, Hospital Pulau Pinang
119. Paediatric Oncology Unit Hospital Kuala Lumpur
120. Palliative Care Association, Kota Kinabalu
121. Palliative Care Clinic, Hospital Seri Manjung
122. Palliative Care Unit, Hospital Batu Pahat
123. Palliative Care Unit, Hospital Bentong
124. Palliative Care Unit, Hospital Bukit Murtajam
125. Palliative Care Unit, Hospital Jitra
126. Palliative Care Unit, Hospital Kota Belud
127. Palliative Care Unit, Hospital Sultanah Nur Zahirah, Kuala Terengganu
128. Palliative Care Unit, Hospital Kudat
129. Palliative Care Unit, Hospital Pantai Putri, Ipoh

130. Palliative Care Unit, Hospital Pulau Pinang
131. Palliative Care Unit, Hospital Queen Elizabeth , Kota Kinabalu
132. Palliative Care Unit, Hospital Tuanku Jaafar
133. Palliative Care Unit, Hospital Sipitang
134. Palliative Care Unit, Hospital Tawau
135. Palliative Care Unit, Hospital Tengku Ampuan Afzan, Kuantan
136. Palliative Care Unit, Metro Specialist Hospital, Sungai Petani
137. Pantai Premier Pathology Sdn.Bhd. Kuala Lumpur
138. Pathology & Clinical Laboratory (M) Sdn.Bhd. Johor Bahru
139. Pathology & Clinical Laboratory (M) Sdn.Bhd. Petaling Jaya
140. Pathology UMMC
141. Pathology Department, 94 Hospital Angkatan Tentera Kem Terendak, Melaka
142. Pathology Department, 96 Hospital Angkatan Tentera Kem Lumut
143. Pathology Department, Assunta Hospital Petaling Jaya
144. Pathology Department, Gleneagles Intan Medical Centre, Kuala Lumpur
145. Pathology Department, Hospital Alor Setar
146. Pathology Department, Hospital Batu Pahat
147. Pathology HPSF Muar
148. Pathology Department, Hospital Ipoh
149. Pathology Department, Hospital Kajang
150. Pathology Department, Hospital Kangar
151. Pathology Department, Hospital Raja Perempuan Zainab II Kota Bharu
152. Pathology Department, Hospital Kuala Lumpur
153. Pathology Department, Hospital Tuanku Ampuan Najihah, Kuala Pilah
154. Pathology Department, Hospital Sultanah Nur Zahirah, Kuala Terengganu
155. Pathology Department, Hospital Melaka
156. Pathology Department, Hospital Pakar Sultanah Fatimah, Muar
157. Pathology Department, Hospital Pulau Pinang
158. Pathology Department, Hospital Putrajaya
159. Pathology Department, Hospital Queen Elizabeth, Kota Kinabalu
160. Pathology Department, Hospital Selayang
161. Pathology Department, Hospital Serdang
162. Pathology Department, Hospital Tuanku Jaafar, Seremban
163. Pathology Department, Hospital Tuanku Ampuan Najihah, Kuala Pilah
164. Pathology Department, Hospital Sultanah Aminah, Johor Bahru
165. Pathology Department, Hospital Sultan Abdul Halim, Sungai Petani
166. Pathology Department, Hospital Taiping
167. Pathology Department, Hospital Teluk Intan
168. Pathology Department, Hospital Tengku Ampuan Afzan , Kuantan (HTAA)
169. Pathology Department, Hospital Tengku Ampuan Rahimah, Klang
170. Pathology Department, Hospital Umum Sarawak
171. Pathology Department, Hospital Universiti Kebangsaan Malaysia
172. Pathology Department, Hospital Kota Bharu
173. Pathology Department, Lam Wah Ee Hospital, Pulau Pinang
174. Pathology Department, Hospital Pulau Pinang

175. Pathology Department, Hospital Sungai Buloh
176. Pathology Department, Hospital Seberang Jaya
177. Pathology Department, Sri Kota Medical Centre, Klang
178. Pathology Department, University Malaya Medical Centre
179. Pathology Department, Hospital Universiti Sains Malaysia
180. Patient Administration Department, Subang Jaya Medical Centre
181. Perak Palliative Care Society
182. Plastic, Reconstructive and Burn Surgery Unit, Hospital Universiti Sains Malaysia
183. Pusat Darah Negara, Kuala Lumpur
184. UMMC Radiology
185. Radiology Department, Megah Medical Specialist Group Sdn.Bhd., Petaling Jaya
186. Radiotherapy & Oncology Department, Damansara Specialist Hospital
187. Radiotherapy & Oncology Department, Hospital Kuala Lumpur
188. Radiotherapy & Oncology Department, Hospital Pulau Pinang
189. Radiotherapy & Oncology Department, Hospital Umum Sarawak
190. Radiotherapy & Oncology Department, Hospital Universiti Kebangsaan Malaysia
191. Radiotherapy & Oncology Department, Ipoh Specialist Hospital
192. Radiotherapy & Oncology Department, Johor Specialist Hospital
193. Radiotherapy & Oncology Department, Mahkota Medical Centre, Melaka
194. Radiotherapy & Oncology Department, Mount Miriam Hospital, Pulau Pinang
195. Radiotherapy & Oncology Department, Pantai Ayer Keroh Hospital
196. Radiotherapy & Oncology Department, Pantai Medical Centre, Kuala Lumpur
197. Radiotherapy & Oncology Department, Pantai Mutiara Hospital, Pulau Pinang
198. Radiotherapy & Oncology Department, Sabah Medical Centre
199. Radiotherapy & Oncology Department, Sri Kota Medical Centre, Klang
200. Radiotherapy & Oncology Department, Sunway Medical Centre
201. Clinical Oncology Unit, University Malaya Medical Centre
202. Respiratory Clinic, Hospital Pulau Pinang
203. Respiratory Medicine Department, Hospital Alor Setar
204. Rotary Hospis Programme, Johor Bahru
205. Shan Surgical Specialist, Puteri Specialist Hospital Johor Bahru
206. Surgery Department, Hospital Alor Setar
207. Surgery Department, Hospital Kangar
208. Surgery Department, Hospital Selayang
209. Surgery Department, Hospital Putrajaya, UMMC
210. Surgical Clinic, Tung Shun Hospital Kuala Lumpur
211. IMU, Surgery Department
212. The Breast Centre, Gleneagles Intan Medical Centre, Kuala Lumpur
213. Thomas Klinik Pakar Surgery, Tawau
214. TMC, General Surgery Hospital Pulau Pinang

215. MMC Urology
216. Urology Department , Hospital Kuala Lumpur
217. Urology Department, H SAJB, Hospital Sultanah Aminah, Johor Bahru
218. V.S. Loo Surgical Clinic Sdn.Bhd. Ipoh
219. Y.L. Yeap Surgery Sdn.Bhd., Hospital Fatimah Ipoh
220. Y.L. Cheong Surgical Specialist Clinic, Ipoh.

LIST OF TABLES

	Title	Page
Table 1	Ethnicity and sex status for Malaysia, 2006	3
Table 2	Proportion of citizens and non-citizens in Malaysia, 2006	3
Table 3	Age, sex and ethnic distribution of the population of Peninsular Malaysia 2006	4
Table 4	10 Principle Cause of Deaths in Ministry of Health, Malaysia (MOH) Hospitals, 2006	4
Table 5	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	11
Table 6	Cancer Incidence per 100,000 population (CR) by age and sex, Peninsular Malaysia 2006	11
Table 7	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	11
Table 8	Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	11
Table 9	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site and sex, Peninsular Malaysia 2006	13
Table 10	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Malay	21
Table 11	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Chinese	25
Table 12	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Indian	29
Table 13	Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, age and sex, Peninsular Malaysia 2006	35
Table 14	Tongue Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	46

	Title	Page
Table 15	Tongue Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	46
Table 16	Tongue Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	47
Table 17	Tongue Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	47
Table 18	Salivary Gland Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	48
Table 19	Salivary Gland Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	48
Table 20	Salivary Gland Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	49
Table 21	Salivary Gland Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	49
Table 22	Mouth Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	50
Table 23	Mouth Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	50
Table 24	Mouth Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	51
Table 25	Mouth Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	51
Table 26	Nasopharynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	52
Table 27	Nasopharynx Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	52
Table 28	Nasopharynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	53

	Title	Page
Table 29	Nasopharynx Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	53
Table 30	Oesophagus Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	54
Table 31	Oesophagus Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	54
Table 32	Oesophagus Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	55
Table 33	Oesophagus Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	55
Table 34	Stomach Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	56
Table 35	Stomach Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	56
Table 36	Stomach Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	57
Table 37	Stomach Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	57
Table 38	Colorectal Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	58
Table 39	Colorectal Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	58
Table 40	Colorectal Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	59
Table 41	Colorectal Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	59
Table 42	Liver Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	60
Table 43	Liver Age specific Cancer Incidence per 100,000	60

	Title	Page
	population (CR) by sex, Peninsular Malaysia 2006	
Table 44	Liver Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	61
Table .45	Liver Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	61
Table 46	Gallbladder Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	62
Table 47	Gallbladder Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	62
Table 48	Gallbladder Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	63
Table 49	Gallbladder Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	63
Table 50	Pancreas Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	64
Table 51	Pancreas Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	64
Table 52	Pancreas Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	65
Table 53	Pancreas Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	65
Table 54	Nose and Sinuses Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	66
Table 55	Nose and Sinuses Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	66
Table 56	Nose and Sinuses Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	67
Table 57	Nose and Sinuses Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular	67

	Title	Page
	Malaysia 2006	
Table 58	Larynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	68
Table 59	Larynx Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	68
Table 60	Larynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	69
Table 61	Larynx Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	69
Table 62	Lung Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	70
Table 63	Lung Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	70
Table 64	Lung Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	71
Table 65	Lung Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	71
Table 66	Bone Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	72
Table 67	Bone Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	72
Table 68	Bone Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	73
Table 69	Bone Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	73
Table 70	Other Skin Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	74
Table 71	Skin Age specific Cancer Incidence per 100,000	74

	Title	Page
	population (CR) by sex, Peninsular Malaysia 2006	
Table 72	Other Skin Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	75
Table 73	Other Skin Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	75
Table 74	Melanoma Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	76
Table 75	Melanoma Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	76
Table 76	Melanoma Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	77
Table 77	Melanoma Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	77
Table 78	Female Breast Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	78
Table 79	Female Breast Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	78
Table 80	Female Breast Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	79
Table 81	Female Breast Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	79
Table 82	Cervix Uteri Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	80
Table 83	Cervix Uteri Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	80
Table 84	Cervix Uteri Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	81
Table 85	Cervix Uteri Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	81

	Title	Page
Table 86	Corpus Uteri Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	82
Table 87	Corpus Uteri Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	82
Table 88	Corpus Uteri Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	83
Table 89	Corpus Uteri Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	83
Table 90	Ovary Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	84
Table 91	Ovary Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	84
Table 92	Ovary Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	85
Table 93	Ovary Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	85
Table 94	Prostate Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	86
Table 95	Prostate Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	86
Table 96	Prostate Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	87
Table 97	Prostate Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	87
Table 98	Bladder Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	88
Table 99	Bladder Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	88
Table 100	Bladder Cancer Incidence per 100,000 population (CR)	89

	Title	Page
	and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	
Table 101	Bladder Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	89
Table 102	Kidney and Other Urinary Organs Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	90
Table 103	Kidney and Other Urinary Organs Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	90
Table 104	Kidney and Other Urinary Organs Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	91
Table 105	Kidney and Other Urinary Organs Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	91
Table 106	Brain and Other Nervous System Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	92
Table 107	Brain and Other Nervous System Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	92
Table 108	Brain and Other Nervous System Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	93
Table 109	Brain and Other Nervous System Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	93
Table 110	Thyroid Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	94
Table 111	Thyroid Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	94
Table 112	Thyroid Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	95
Table 113	Thyroid Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	95

	Title	Page
Table 114	Lymphoma Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	96
Table 115	Lymphoma Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	96
Table 116	Lymphoma Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	97
Table 117	Lymphoma Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	97
Table 118	Leukaemia Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006	98
Table 119	Leukaemia Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006	98
Table 120	Leukaemia Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006	99
Table 121	Leukaemia Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006	99

LIST OF FIGURES

	Title	Page
Figure 1	Map of Malaysia	1
Figure 2	Population Pyramids, Malaysia Population, 2006	2
Figure 3	Ethnicity in Peninsular Malaysia 2006	3
Figure 4	Ten most frequent cancers, Peninsular Malaysia 2006	12
Figure 5	Ten most frequent cancers in males, Peninsular Malaysia 2006	12
Figure 6	Ten most frequent cancers in females, Peninsular Malaysia 2006	12
Figure 7	Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Malay	17
Figure 8	Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Chinese	17
Figure 9	Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Indian	18
Figure 10	Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Malay	19
Figure 11	Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Chinese	19
Figure 12	Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Indian	20
Figure 13	Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 0 – 14 years old	33
Figure 14	Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 14 - 49 years old	33
Figure 15	Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 50 - 69 years old	34
Figure 16	Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 70 + years old	34
Figure 17	Tongue Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	46

	Title	Page
Figure 18	Salivary Gland Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	48
Figure 19	Mouth Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	50
Figure 20	Nasopharynx Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	52
Figure 21	Oesophagus Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	54
Figure 22	Stomach Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	56
Figure 23	Colorectal Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	58
Figure 24	Liver Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	60
Figure 25	Gallbladder Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	62
Figure 26	Pancreas Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	64
Figure 27	Nose and Sinuses Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	66
Figure 28	Larynx Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	68
Figure 29	Lung Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	70
Figure 30	Bone Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	72
Figure 31	Other Skin Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	74
Figure 32	Melanoma Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	76
Figure 33	Female Breast Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	78

	Title	Page
Figure 34	Cervix Uteri Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	80
Figure 35	Corpus Uteri Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	82
Figure 36	Ovary Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	84
Figure 37	Prostate Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	86
Figure 38	Bladder Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	88
Figure 39	Kidney and Other Urinary Organs Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	90
Figure 40	Brain and Other Nervous System Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	92
Figure 41	Thyroid Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	94
Figure 42	Lymphoma Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	96
Figure 43	Leukaemia Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006	98

MALAYSIAN CANCER STATISTICS - DATA AND FIGURE PENINSULAR MALAYSIA 2006

1. INTRODUCTION

The data from this report will provide an epidemiological profile of cancer, cancer burden, and high risk group of specific Cancer in Malaysia which is an important in the Cancer Control Programme.

2. BACKGROUND

2.1. Geography

Malaysia covers an area of about 329,961 square kilometers, consisting of Peninsular Malaysia and East Malaysia (Sabah and Sarawak). It is separated by the South East China Sea and has its frontier with Thailand, Singapore, Indonesia and Brunei.

Peninsular Malaysia covers the area of 35,965 square kilometers and consists of the following states: Negeri Selangor Darul Ehsan, Negeri Perak Darul Ridzuan, Negeri Kedah Darul Aman, Negeri Kelantan Darul Naim, Negeri Perlis, Pulau Pinang, Negeri Terengganu Darul Iman, Negeri Pahang Darul Makmur, Negeri Johor Darul Takzim, Melaka, Negeri Sembilan Darul Khusus and Federal Territory (Kuala Lumpur and Putrajaya) which is the Capital of Malaysia.

Figure 1: Map of Malaysia



2.2. Population

The census population of Peninsular Malaysia in 2006 was **24,8 millions**. There were **50.6 % male and 49.4% female** and the major ethnic contribution was 54.3% Malay, followed by Chinese 25.1%, Indian 7.5% and others 13.1% (Department of Statistic Malaysia).

Figure 2: Population Pyramids, Malaysia Population, 2006

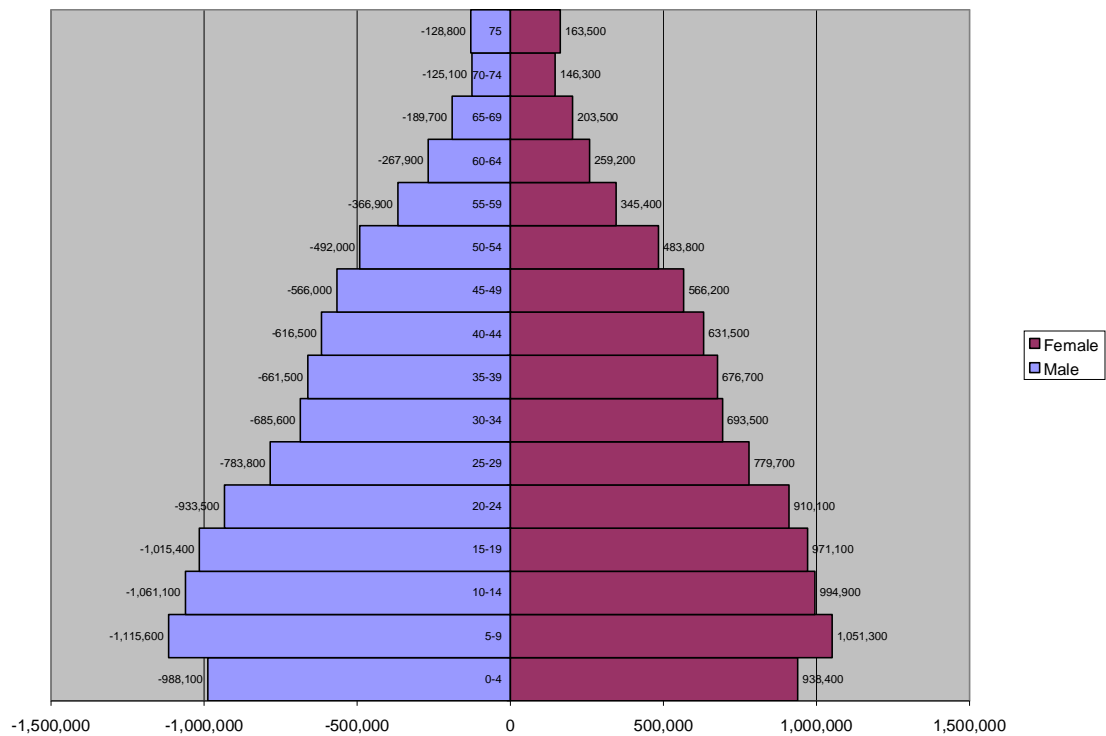


Table 1: Ethnicity and sex status for Malaysia, 2006

	Year	
	Number	%
Ethnicity		
Malays	13,475.1	54.3
Chinese	6,219.6	25.1
Indian	1,858.5	7.5
Others	3,250.3	13.1
Total	24,803.5	100.0
Sex		
Male	12,540.4	50.6
Female	12,263.1	49.4
Total	24,803.5	100.0

Source: Department of Statistics, Malaysia

Figure 3 : Ethnicity in Peninsular Malaysia 2006

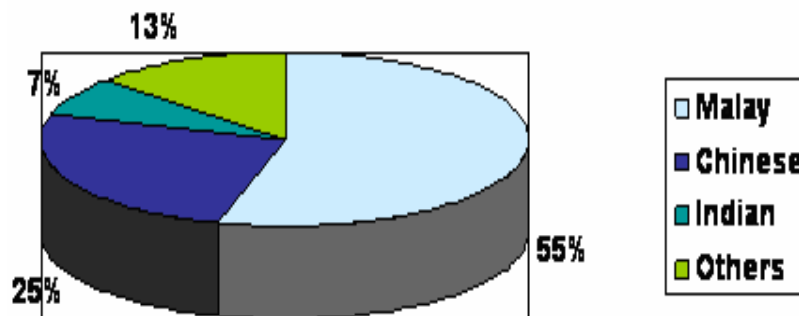


Table 2: Proportion of citizens and non-citizens in Malaysia, 2006

Citizenship	Year	
	Number	%
Malaysian citizen	24,803.5	93.1
Non-citizen	1,836.3	6.9
Total	26,640.2	100.0

Source: Department of Statistics, Malaysia

Table 3 : Age, sex and ethnic distribution of the population of Peninsular Malaysia 2006

Age group, years	Malay		Chinese		Indian		All groups	
	Male	Female	Male	Female	Male	Female	Male	Female
0-4	670,800	637,400	201,600	188,800	81,400	79,000	988,100	938,400
5-9	747,000	705,300	244,000	226,500	93,200	90,000	1,115,600	1,051,300
10-14	720,600	678,400	228,600	208,200	86,900	83,600	1,061,100	994,900
15-19	678,900	653,100	227,600	212,200	87,500	83,500	1,015,400	971,100
20-24	609,000	598,600	221,200	209,700	83,800	81,200	933,500	910,100
25-29	474,800	481,000	208,600	200,100	75,700	77,100	783,800	779,700
30-34	390,700	405,800	200,000	194,100	70,100	73,200	685,600	693,500
35-39	378,000	393,300	199,900	196,900	67,700	70,300	661,500	676,700
40-44	349,000	362,000	193,600	191,200	63,200	65,600	616,500	631,500
45-49	313,200	317,100	185,300	179,300	58,300	60,700	566,000	566,200
50-54	266,500	265,600	168,100	159,800	49,900	51,900	492,000	483,800
55-59	193,300	190,400	135,200	124,800	33,400	34,500	366,900	354,400
60-64	136,500	135,800	105,600	97,100	22,400	23,100	267,900	259,200
65-69	95,900	106,300	76,400	76,700	15,000	18,100	189,700	203,500
70-74	63,400	76,500	51,100	55,500	8,900	12,600	125,100	146,300
75+	71,500	87,200	46,100	62,300	9,200	11,600	128,800	163,500
TOTAL	6,159,100	6,093,800	2,692,900	2,583,200	906,600	916,000	9,997,500	9,824,100

2.3. Health Status

Table 4 : 10 Principle Cause of Deaths in Ministry of Health, Malaysia (MOH) Hospitals, 2006

Diseases		Percentage (%)
1.	Septicaemia	16.87
2.	Heart Diseases & Diseases of Pulmonary Circulation	15.70
3.	Malignant Neoplasms	10.59
4.	Cerebrovascular Diseases	8.49
5.	Pneumonia	5.81
6.	Accidents	5.59
7.	Diseases of the Digestive System	4.47
8.	Certain Conditions Originating in The Perinatal Period	4.20
9.	Nephritis, Nephrotic Syndrrone & Nephrosis	3.83
10.	Ill-define conditions	3.03
All causes		100.0

3.0 METHODS

The report was prepared based based on the methodology set by The Cancer Registry Unit in CRC which was established to provide the functional capacity to support the operations of the NCR.

3.1. Objectives of NCR

The objectives of NCR was to ensure:

1. Complete enumeration of all incidence cases of cancer in the population
2. Validity of the data collected on these cases of cancer
3. Correct and reproducible classification and coding
4. Complete follow-up until migration out of the population or death.

3.2. Data management process

The objectives mentioned above were accomplished by data management process set by the above mentioned NCR . This includes :

- Data reporting by Source Data Providers;
- Data entry, review and updates
- Edit checks
- Data standardisation, review and coding
- Deduplication;
- Databased lock
- Analysis
- Data query, site monitoring, active case findings (performed in every steps)
- Report writing
- Printing and dissemination

3.3. Description of statistical methods

3.3.1. Crude Incidence Rate (CR)

The number of new cancer cases (incidence cases) observed in the population during the defined period, divided by the number of population at risk at the same period. It is usually expressed per 100,000.

The crude incidence rate (CR) is estimated as follows:

$$CR = \frac{\sum_{i=1}^A r_i}{\sum_{i=1}^A n_i} \times 100000$$

where r_i is the number of cases which have occurred in the i th age class and n_i the person-years of observation in the i th age class during the same period of times as cases were counted.

The population at risk refers to population of Peninsular Malaysia as provided by Department of Statistics based on its projection. The period of interest is one calendar year (year 2006)

3.3.2. Age-standardised incidence (ASR)

Crude Rates are not suitable for use in comparisons between different regions or periods hence, ASR is required for meaningful comparison of 2 populations that differ in their age structure. Since the incidence of cancer depends heavily on the age structure of the population, there is a need for age adjustments. Therefore standardisation is necessary when comparing several populations that differ with respect to age for it is a powerful influence on the risk of cancer. The age-standardised incidence rate is a summary measure of a rate that a population would have if it had a standard structure.

It is calculated by summing the products of the age-specific rates applied to the world standard population; the calculated incidence rate is then called the World Standardised Incidence Rate. It is also expressed in 100,000.

$$ASR = \frac{\sum_{i=1}^A a_i w_i}{\sum_{i=1}^A w_i}$$

where a_i is the age-specific rate in the i th age class and w_i is the weight from the Standard Population in the i th age class.

3.3.3. The Cumulative Risk (CumR)

The Cumulative Risk is the risk that an individual would have of developing the cancer in question during a certain age span if no other causes of death were in operation. This statistic is more readily understandable than age standardized rate as no arbitrary standard population is used. It can be considered as a directly age standardized rate with the same size of population in each age group. The CumR is estimated as follows:

The cumulative rate is estimated by the sum of over each year of the age-specific incidence, taken from birth to age 70+ for the 0-70+ rate.

$$\text{Cumulative rate} = \sum_{i=1}^A a_i t_i$$

where a_i is the age-specific incidence rate in the i th age class which is t_i years long.

The cumulative risk is estimated as follows:

$$\text{Cum. Risk} = 100 \times [1 - \exp(-\text{cum. Rate}/100)]$$

4. REPORT SUMMARY

4.1. OVERALL CANCER INCIDENCE AND BURDEN

A total of 21,773 cancer cases were diagnosed among Malaysians in Peninsular Malaysia in the year 2006 and registered in the National Cancer Registry. It comprises of 9,974 males and 11,799 females. The Age-standardised Incidence Rate (ASR) for all cancers in the year 2006 regardless of sex was 131.3 per 100,000. and the five most common cancer among population of Peninsular Malaysia in 2006 were breast, colorectal, lung, cervix and nasopharynx.

4.2. VARIATION IN CANCER INCIDENCE BY SEX ,AGE AND ETHNICITY

The ASR among males in Peninsular Malaysia was 128.6 per 100,000 population and among females was 135.7 per 100,000 population. Cancer seems to be predominant among Chinese as compared to Malay and Indian. The ASR for Chinese male was 148.0 per 100,000 and for Chinese female was 151.5 per 100,000 while for Malay males it was 94.5 per 100,000 and Malay female was 96.4 per 100,000. ASR for cancer among Indian was 97.4 per 100,000 males and 134.7 per 100,000 females.

Cancer occurred at all ages. The most frequent cancers in children (0-14 years old) was leukaemia, while in the group of young adults (15-49 years old), the common cancers in men were nasopharynx, colorectal, lung, brain and leukaemia , and cancers of the breast, cervix, thyroid gland, ovary and colorectal in women. In older age group (50 years old and above), cancers of the colorectal, lung, nasopharynx, prostate and liver were predominant among men, while cancers of the breast, colorectal, cervix, lung and ovary occurred commonly in women.

4.3. SELECTED CANCER SITES

4.3.1. FEMALE BREAST CANCER

In 2006, breast cancer was the most common cancer among female and also the most important cancer among population regardless of sex in Peninsular Malaysia. There were 3525 female breast cancer cases registered in NCR for that year, accounted for 16.5% of all cancer cases registered. The overall ASR was 39.3 per 100,000 population. The age pattern in 2006 showed a peak Age-specific Incidence Rate at the 50-59 age group. The incidence of breast cancer was highest among Chinese where the ASR was 46.4 per 100,000 population followed by Indian and Malay with the ASR of 38.1 per 100,000 population and 30.4 per 100,000 respectively

4.3.2. COLORECTAL CANCER

Colorectal cancer. was the second most common cancer after breast and the first among male and also second among female in Peninsular Malaysia. A total of 2,866 cases were registered with NCR in 2006 and represent 13.2 % of all cases registered. The incidence of colorectal cancer in Peninsular Malaysia increased with age with the overall ASR was 18.4 per 100,000 population. The incidence was slightly higher among males (ASR 21.6 per 100,000) compared to females (ASR 15.4 per 100,000 population). The incidence was highest among Chinese where the ASR was 21.4 per 100,000 population and were lower in Indian and Malay where the ASR was 11.3 per 100,000 and 9.5 per 100,000 respectively.

4.3.3. LUNG CANCER

There were 2,048 2006 cases of lung cancer registered with NCR, comprising 1,445 of males and 603 of females. Lung cancer is the second most common among males and third most common cancer among populations in Peninsular Malaysia.

The ASR for both sexes were 13.3 per 100,000 population and it was more than 2 folds higher among males when compared to females. Chinese were found to have higher incidence rate compared to Malay and Indians.

4.3.4. CERVICAL CANCER

Cancer of the cervix was the third most common cancer among women.. There were a total of 1,074 cases of 2006 registered with NCR and the overall ASR was 12.2 per 100,000 population. Cervical cancer incidence rate increased with age after 30 years and has its peak at ages 60-69 years. Compared among the major races, Chinese women had the highest incidence for cervical cancer followed by Indian and Malay.

4.3.5. NASOPHARYNGEAL CANCER

Nasopharyngeal cancer was the third most common cancer among men. There were a total of 981 of 2006 nasopharyngeal cancer cases registered with NCR and gave the ASR of 8.5 and 2.6 per 100,000 population for males and females respectively. The incidence rate for Nasopharyngeal cancer was highest among Chinese males with the ASR of 15.9 per 100,000 population

4.3.6. LIVER CANCER

In 2006, liver cancer ranked 6th overall, 5th among males and 9th among females in Peninsular Malaysia. There were a total of 793 2006 cases registered with NCR and comprises of 568 males and 225 females. The Age Standardised Incidence Rate calculated was 4,9 per 100,000 for both sexes and for males and females were 7.2 and 2.7 per 100,000 population respectively..

4.3.7. PROSTATE CANCER

There was a total of 735 cases reported and registered with NCR making it the 4th most common cancer among males. The overall ASR was 11.0 per 100,000 population and raised sharply after the age of 60. It was highest among the Indians (13.7 per 100,000) followed by Chinese (11.5 per 100,000) and Malay (9.2 per 100,000).

5. CANCER INCIDENCE IN PENINSULAR MALAYSIA 2006

5.1. Overall cancer incidence

Table 5 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR Peninsular	ASR	CumR
Male	9974	45.8	99.8	128.6	14.3
Female	11799	54.2	120.1	135.7	14.1
Both sexes	21773	100	109.8	131.3	14.1

Table 6 : Cancer Incidence per 100,000 population (CR) by age and sex, Peninsular Malaysia 2006

Age, year	No.	Male			Female		
		%	CR	No.	%	CR	
0-9	85	0.9	4	52	0.4	2.6	
10-19	279	2.8	13.4	199	1.7	10.1	
20-29	393	3.9	22.9	523	4.4	31	
30-39	668	6.7	49.6	1215	10.3	88.7	
40-49	1312	13.2	111	2552	21.6	213.1	
50-59	2135	21.4	248.6	3193	27.1	380.9	
60-69	2644	26.5	577.8	2243	19	484.8	
70+	2458	24.6	968.1	1822	15.4	588.1	

Table 7 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	4058	46.3	65.9	94.5	4753	46.4	78	96.4
Chinese	4078	46.5	151.4	148	4422	43.2	171.2	151.5
Indian	629	7.2	69.4	97.4	1065	10.4	116.3	134.7

Table 8 : Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	4.1	13.1	22.2	41.4	82.9	191.8	420.4	630.1	10.8
	Chinese	2	9.9	15.8	50	128.3	291.5	662.6	1214	16
	Indian	1.1	6.9	15.7	37.7	58.4	181.3	419.8	878.5	11.4
Female	Malay	2.8	9.3	25.5	76	169.8	282.5	336.6	276.7	10.1
	Chinese	1.4	7.6	26.8	78.8	219.7	439.9	527	835.3	15.6
	Indian	1.8	7.2	19	57.1	168.6	356.5	521.8	834.7	14.8

Figure 4. Ten most frequent cancers, Peninsular Malaysia 2006

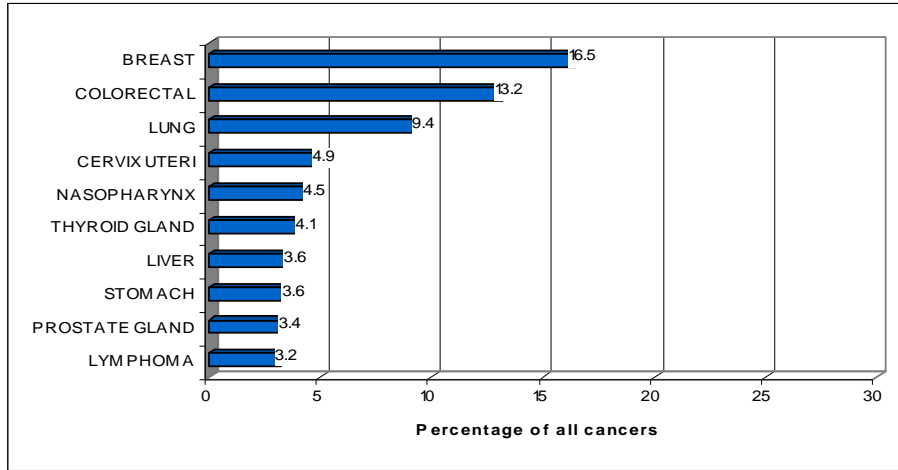


Figure 5. Ten most frequent cancers in males, Peninsular Malaysia 2006

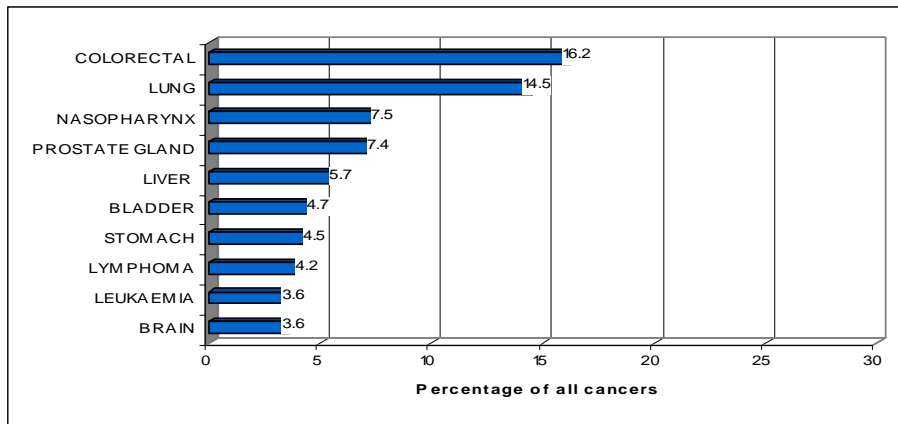
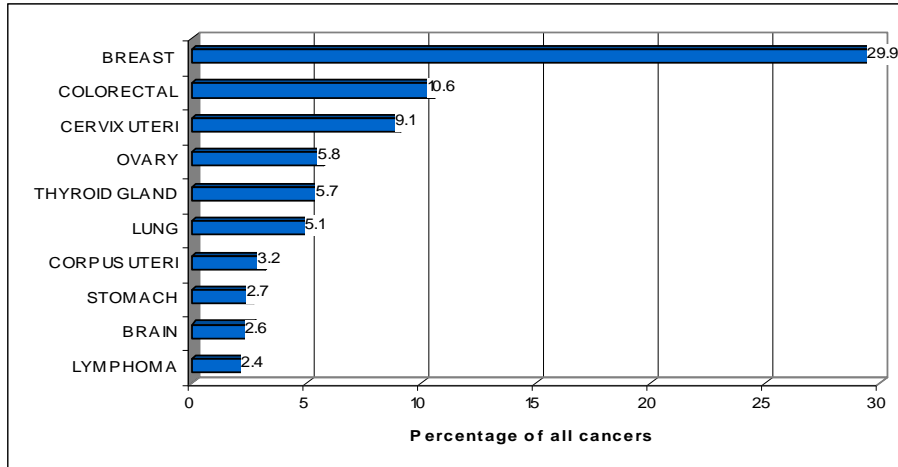


Figure 6. Ten most frequent cancers in females, Peninsular Malaysia 2006



5.2. Cancer incidence by site

5.2.1. Sex differences in cancer incidence by site

Table 9. Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site and sex, Peninsular Malaysia 2006

Sites	No.	%	Male			CumR	Sites	No.	%	Female			CumR
			CR	ASR						CR	ASR		
COLORECTAL	1619	16.2	16.2	21.6		2.7	BREAST	3525	29.9	35.9	39.3		4.2
LUNG	1445	14.5	14.5	19.6		2.5	COLORECTAL	1247	10.6	12.7	15.4		1.8
NASOPHARYNX	746	7.5	7.5	8.5		0.9	CERVIX UTERI	1074	9.1	10.9	12.2		1.4
PROSTATE GLAND	735	7.4	7.4	11		1.4	OVARY	685	5.8	7	7.6		0.8
LIVER	568	5.7	5.7	7.2		0.9	THYROID GLAND	670	5.7	6.8	7.2		0.7
BLADDER	471	4.7	4.7	6.6		0.8	LUNG	603	5.1	6.1	7.6		1
STOMACH	449	4.5	4.5	6.1		0.8	CORPUS UTERI	372	3.2	3.8	4.4		0.5
LYMPHOMA	416	4.2	4.2	4.9		0.6	STOMACH	324	2.7	3.3	4		0.5
LEUKAEMIA	363	3.6	3.6	4		0.4	BRAIN, OTHER NERVOUS SYSTEM	303	2.6	3.1	3.2		0.3
BRAIN, OTHER NERVOUS SYSTEM	361	3.6	3.6	3.9		0.4	LYMPHOMA	279	2.4	2.8	3.2		0.4
SKIN	295	3	3	3.9		0.4	SKIN	236	2	2.4	2.9		0.3
OTHER SKIN	261	2.6	2.6	3.5		0.4	OTHER SKIN	210	1.8	2.1	2.6		0.3
MELANOMA	34	0.3	0.3	0.4		0.1	MELANOMA	26	0.2	0.3	0.3		0
KIDNEY, OTHER URINARY ORGANS	252	2.5	2.5	3.2		0.4	NASOPHARYNX	235	2	2.4	2.6		0.3
THYROID GLAND	221	2.2	2.2	2.6		0.3	LIVER	225	1.9	2.3	2.7		0.3
OTHER AND ILL-DEFINED SITES	198	2	2	2.4		0.3	LEUKAEMIA	220	1.9	2.2	2.4		0.2

Sites	No.	%	Male		
			CR	ASR	CumR
ESOPHAGUS	191	1.9	1.9	2.7	0.4
LARYNX	183	1.8	1.8	2.5	0.3
BONES	172	1.7	1.7	2	0.2
PANCREAS	156	1.6	1.6	2	0.2
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	130	1.3	1.3	1.5	0.2
TONGUE	124	1.2	1.2	1.6	0.2
TESTIS	104	1	1	1.1	0.1
GALLBLADDER	83	0.8	0.8	1.1	0.1
NOSE, SINUSES	69	0.7	0.7	0.8	0.1
BREAST	66	0.7	0.7	0.8	0.1
SALIVARY GLANDS	65	0.7	0.7	0.8	0.1
MOUTH	63	0.6	0.6	0.8	0.1
EYE AND ADNEXA	63	0.6	0.6	0.6	0
HEART, MEDIASTINUM AND PLEURA	49	0.5	0.5	0.6	0.1
OTHER ENDOCRINE GLANDS AND	46	0.5	0.5	0.5	0.1

Sites	No.	%	Female		
			CR	ASR	CumR
OTHER AND ILL-DEFINED SITES	144	1.2	1.5	1.6	0.2
BONES	142	1.2	1.4	1.5	0.2
KIDNEY, OTHER URINARY ORGANS	131	1.1	1.3	1.6	0.2
MOUTH	127	1.1	1.3	1.6	0.2
UTERUS, NOS	125	1.1	1.3	1.4	0.1
ESOPHAGUS	111	0.9	1.1	1.4	0.2
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	106	0.9	1.1	1.1	0.1
BLADDER	99	0.8	1	1.3	0.1
PANCREAS	97	0.8	1	1.2	0.1
TONGUE	86	0.7	0.9	1.1	0.1
SALIVARY GLANDS	77	0.7	0.8	0.8	0.1
GALLBLADDER	75	0.6	0.8	0.9	0.1
RETROPERITONEUM AND PERITONEUM	46	0.4	0.5	0.5	0.1
VAGINA	46	0.4	0.5	0.6	0.1
EYE AND ADNEXA	45	0.4	0.5	0.4	0

Sites	No.	%	Male			CumR	Sites	No.	%	Female			CumR
			CR	ASR						CR	ASR		
RELATED STRUCTURES													
SMALL INTESTINE	34	0.3	0.3	0.4		0	NOSE, SINUSES	44	0.4	0.4	0.5	0.1	
TONSIL	33	0.3	0.3	0.4		0.1	HEART, MEDIASTINUM AND PLEURA	43	0.4	0.4	0.5	0.1	
ADRENAL GLAND	31	0.3	0.3	0.3		0	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	38	0.3	0.4	0.4	0	
RETROPERITONEUM AND PERITONEUM	28	0.3	0.3	0.4		0	LARYNX	33	0.3	0.3	0.4	0	
PENIS	27	0.3	0.3	0.3		0	VULVA	27	0.2	0.3	0.3	0	
HYPOPHARYNX	18	0.2	0.2	0.2		0	ADRENAL GLAND	23	0.2	0.2	0.3	0	
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	15	0.2	0.2	0.2		0	SMALL INTESTINE	21	0.2	0.2	0.3	0	
OROPHARYNX	15	0.2	0.2	0.2		0	LIP	20	0.2	0.2	0.2	0	
OTHER AND ILL-DEFINED	14	0.1	0.1	0.2		0	TONSIL	19	0.2	0.2	0.2	0	
DIGESTIVE ORGANS							PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	15	0.1	0.2	0.2	0	
THYMUS	12	0.1	0.1	0.1		0	HYPOPHARYNX	13	0.1	0.1	0.2	0	
OTHER AND	12	0.1	0.1	0.2		0							

Sites	No.	%	Male		
			CR	ASR	CumR
ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX					
PYRIFORM SINUS	12	0.1	0.1	0.2	0
LIP	8	0.1	0.1	0.1	0
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	6	0.1	0.1	0.1	0
OTHER AND UNSPECIFIED MALE GENITAL ORGANS	6	0.1	0.1	0.1	0

Sites	No.	%	Female		
			CR	ASR	CumR
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	13	0.1	0.1	0.1	0
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	10	0.1	0.1	0.1	0
PLACENTA	9	0.1	0.1	0.1	0
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	8	0.1	0.1	0.1	0
THYMUS	5	0	0.1	0.1	0
OROPHARYNX	3	0	0	0	0

Figure 7. Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Malay

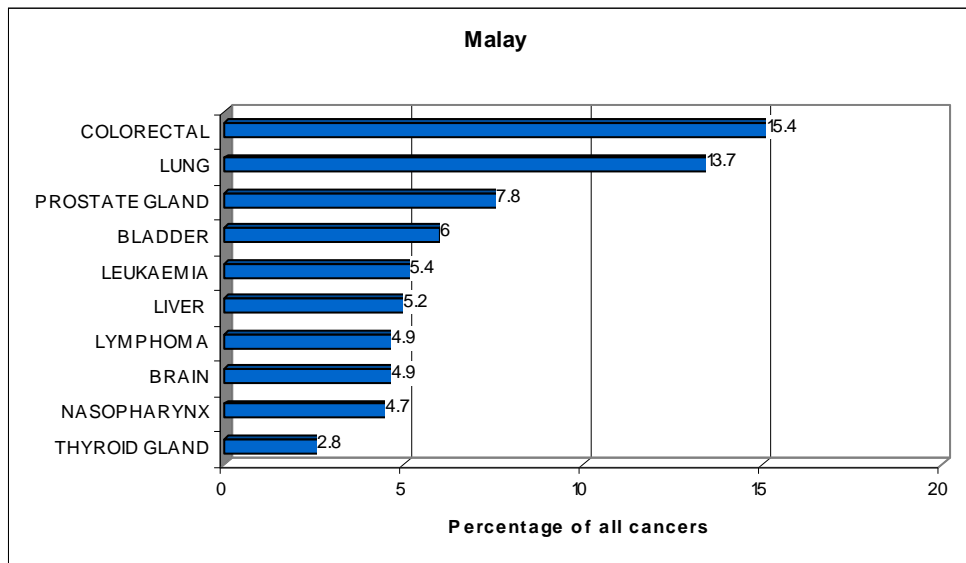


Figure 8. Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Chinese

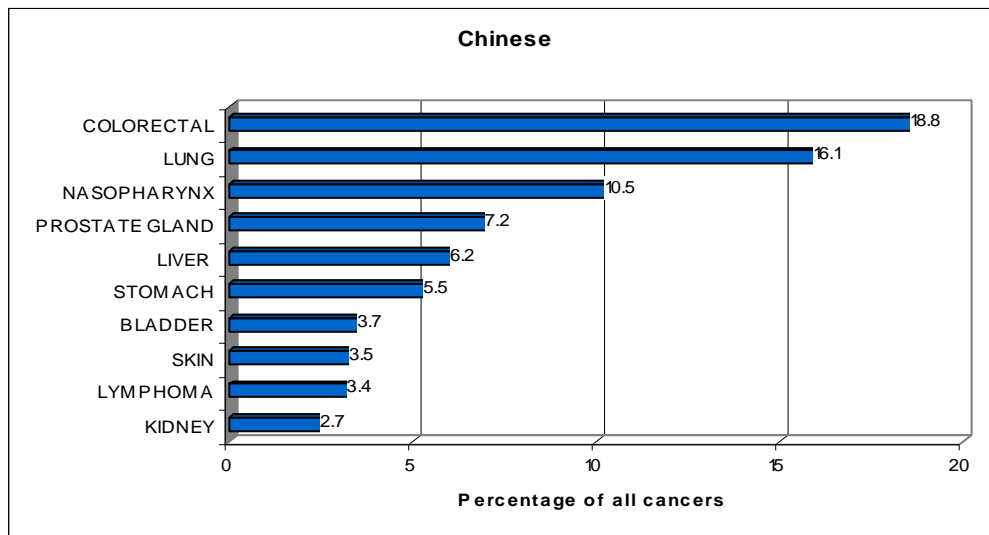


Figure 9. Ten most frequent cancers in males by ethnic groups, Peninsular Malaysia 2006 : Indian

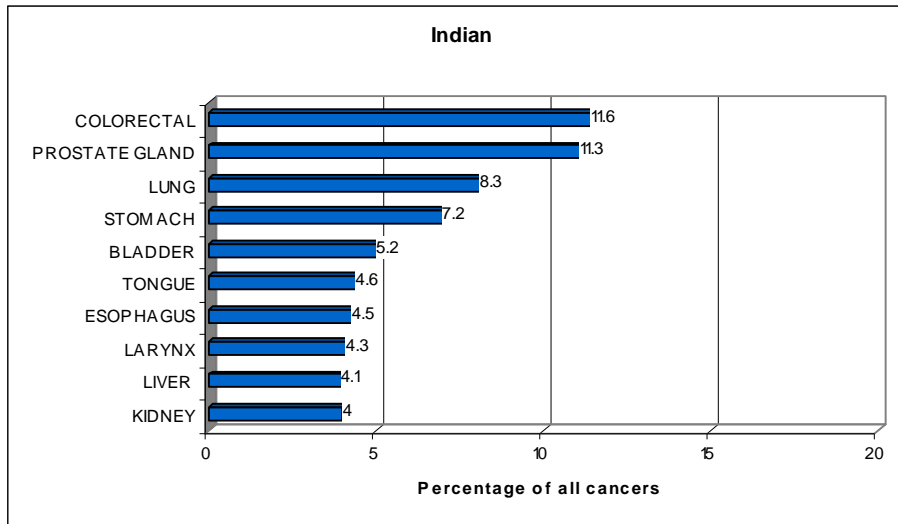


Figure 10. Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Malay

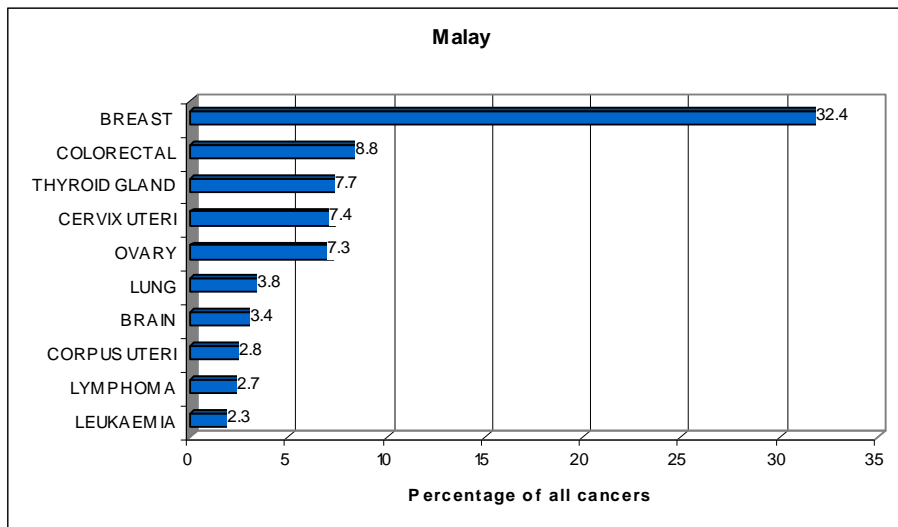


Figure 11. Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Chinese

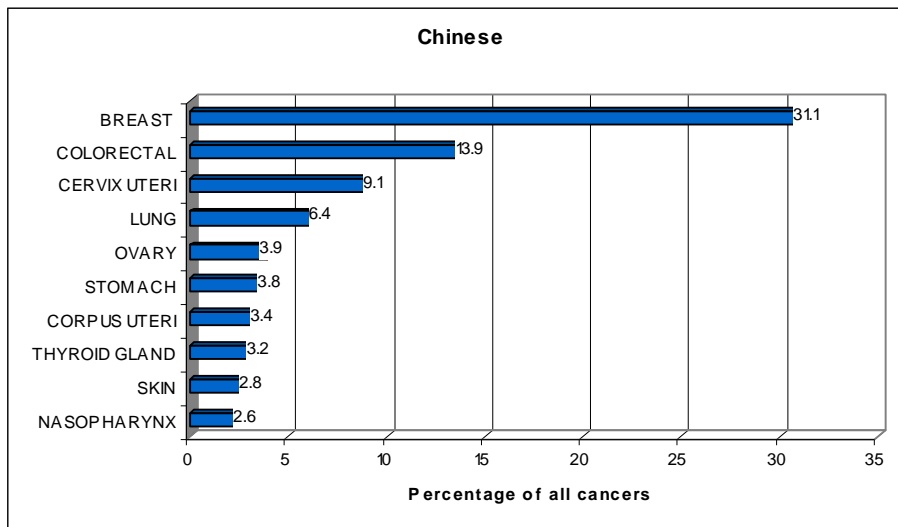
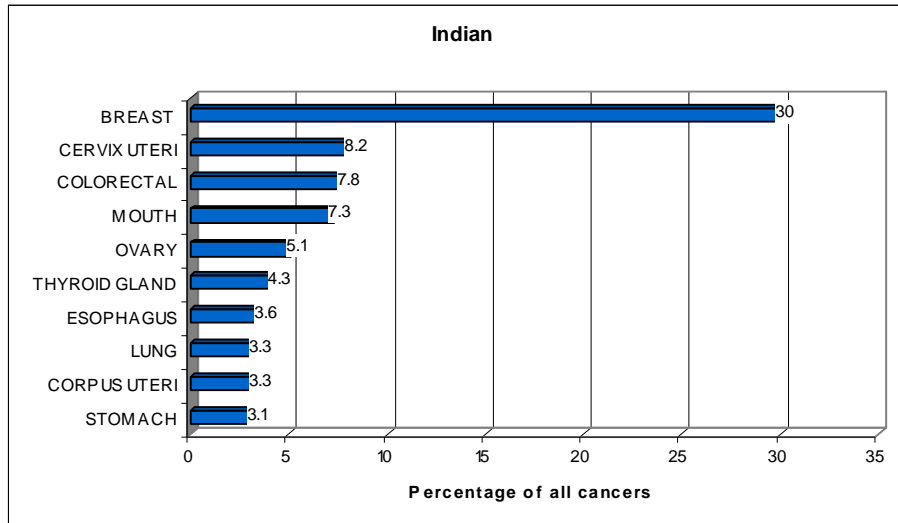


Figure 12. Ten most frequent cancers in females by ethnic groups, Peninsular Malaysia 2006 : Indian



5.2.2. Ethnic variation in cancer incidence by site

Table 10 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Malay

Sites	Malay Male					Sites	Malay Female				
	No.	%	CR	ASR	CumR		No.	%	CR	ASR	CumR
COLORECTAL	625	15.4	10.1	15.5	2	BREAST	1539	32.4	25.3	30.4	3.2
LUNG	557	13.7	9	13.8	1.7	COLORECTAL	419	8.8	6.9	9.5	1.1
PROSTATE GLAND	318	7.8	5.2	9.2	1.2	THYROID GLAND	364	7.7	6	6.9	0.7
BLADDER	242	6	3.9	6.4	0.8	CERVIX UTERI	354	7.4	5.8	7.3	0.8
LEUKAEMIA	220	5.4	3.6	4	0.4	OVARY	346	7.3	5.7	6.8	0.7
LIVER	212	5.2	3.4	4.9	0.6	LUNG	182	3.8	3	4.2	0.5
LYMPHOMA	200	4.9	3.2	4.3	0.5	BRAIN, OTHER NERVOUS SYSTEM	163	3.4	2.7	2.9	0.3
BRAIN, OTHER NERVOUS SYSTEM	197	4.9	3.2	3.6	0.3	CORPUS UTERI	133	2.8	2.2	2.8	0.3
NASOPHARYNX	189	4.7	3.1	4	0.5	LYMPHOMA	130	2.7	2.1	2.6	0.3
THYROID GLAND	112	2.8	1.8	2.4	0.3	LEUKAEMIA	111	2.3	1.8	2	0.2
BONES	101	2.5	1.6	1.9	0.2	LIVER	82	1.7	1.3	1.8	0.2
KIDNEY, OTHER URINARY ORGANS	101	2.5	1.6	2.3	0.3	SKIN	68	1.4	1.1	1.5	0.2
SKIN	98	2.4	1.6	2.3	0.3	OTHER SKIN	59	1.2	1	1.3	0.2
OTHER SKIN	81	2	1.3	1.9	0.2	MELANOMA	9	0.2	0.1	0.2	0
MELANOMA	17	0.4	0.3	0.4	0	BONES	67	1.4	1.1	1.2	0.1
OTHER AND	96	2.4	1.6	2.1	0.2	NASOPHARYNX	64	1.3	1.1	1.3	0.1

Sites	Malay Male				
	No.	%	CR	ASR	CumR
ILL-DEFINED SITES					
STOMACH	94	2.3	1.5	2.3	0.3
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	68	1.7	1.1	1.4	0.1
ESOPHAGUS	68	1.7	1.1	1.8	0.2
LARYNX	63	1.6	1	1.7	0.2
PANCREAS	59	1.5	1	1.4	0.2
TESTIS	55	1.4	0.9	0.9	0.1
GALLBLADDER	46	1.1	0.7	1.1	0.1
EYE AND ADNEXA	40	1	0.6	0.7	0.1
SALIVARY GLANDS	35	0.9	0.6	0.7	0.1
TONGUE	31	0.8	0.5	0.7	0.1
BREAST	29	0.7	0.5	0.7	0.1
MOUTH	24	0.6	0.4	0.6	0.1
NOSE, SINUSES	24	0.6	0.4	0.6	0.1
HEART, MEDIASTINUM AND PLEURA	22	0.5	0.4	0.5	0.1
OTHER ENDOCRINE GLANDS AND	21	0.5	0.3	0.4	0

Sites	Malay Female				
	No.	%	CR	ASR	CumR
UTERUS, NOS	60	1.3	1	1.2	0.1
OTHER AND ILL-DEFINED SITES	60	1.3	1	1.2	0.1
STOMACH	57	1.2	0.9	1.3	0.1
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	47	1	0.8	0.9	0.1
ESOPHAGUS	45	0.9	0.7	1.1	0.1
KIDNEY, OTHER URINARY ORGANS	43	0.9	0.7	0.9	0.1
PANCREAS	41	0.9	0.7	0.9	0.1
SALIVARY GLANDS	38	0.8	0.6	0.7	0.1
BLADDER	36	0.8	0.6	0.8	0.1
TONGUE	34	0.7	0.6	0.7	0.1
GALLBLADDER	31	0.7	0.5	0.7	0.1
RETROPERITONEUM AND PERITONEUM	27	0.6	0.4	0.5	0.1
EYE AND ADNEXA	27	0.6	0.4	0.5	0
HEART, MEDIASTINUM AND PLEURA	24	0.5	0.4	0.5	0.1
NOSE, SINUSES	23	0.5	0.4	0.5	0.1

Sites	Malay Male				
	No.	%	CR	ASR	CumR
RELATED STRUCTURES					
ADRENAL GLAND	19	0.5	0.3	0.3	0
SMALL INTESTINE	16	0.4	0.3	0.3	0
TONSIL	13	0.3	0.2	0.3	0
RETROPERITONEUM AND PERITONEUM	12	0.3	0.2	0.3	0
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	9	0.2	0.1	0.2	0
THYMUS	7	0.2	0.1	0.1	0
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	5	0.1	0.1	0.1	0
PYRIFORM SINUS	5	0.1	0.1	0.1	0
PENIS	5	0.1	0.1	0.1	0
OROPHARYNX	4	0.1	0.1	0.1	0
LIP	4	0.1	0.1	0.1	0

Sites	Malay Female				
	No.	%	CR	ASR	CumR
MOUTH	19	0.4	0.3	0.4	0
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	17	0.4	0.3	0.3	0
VAGINA	16	0.3	0.3	0.4	0
LARYNX	16	0.3	0.3	0.4	0
ADRENAL GLAND	14	0.3	0.2	0.3	0
VULVA	12	0.3	0.2	0.3	0
SMALL INTESTINE	9	0.2	0.1	0.2	0
LIP	9	0.2	0.1	0.2	0
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	6	0.1	0.1	0.1	0
PLACENTA	5	0.1	0.1	0.1	0
OTHER AND	4	0.1	0.1	0.1	0

Sites	Malay Male				
	No.	%	CR	ASR	CumR
OTHER AND UNSPECIFIED MALE GENITAL ORGANS	4	0.1	0.1	0.1	0
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	3	0.1	0	0.1	0
HYPOPHARYNX	3	0.1	0	0.1	0
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	2	0	0	0.1	0

Sites	Malay Female				
	No.	%	CR	ASR	CumR
ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	4	0.1	0.1	0.1	0
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	3	0.1	0	0.1	0
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	2	0	0	0	0
OROPHARYNX	1	0	0	0	0
TONSIL	1	0	0	0	0

Table 11 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Chinese

	Chinese Male					Chinese Female					
	No.	%	CR	ASR	CumR	No.	%	CR	ASR	CumR	
COLORECTAL	767	18.8	28.5	28	3.4	BREAST	1375	31.1	53.2	46.4	5
LUNG	657	16.1	24.4	24.5	3.1	COLORECTAL	615	13.9	23.8	21.4	2.4
NASOPHARYNX	427	10.5	15.9	14	1.5	CERVIX UTERI	402	9.1	15.6	13.6	1.5
PROSTATE GLAND	295	7.2	11	11.5	1.4	LUNG	281	6.4	10.9	9.8	1.3
LIVER	254	6.2	9.4	9	1.1	OVARY	172	3.9	6.7	5.8	0.6
STOMACH	224	5.5	8.3	8.4	1	STOMACH	170	3.8	6.6	5.8	0.6
BLADDER	151	3.7	5.6	5.6	0.6	CORPUS UTERI	152	3.4	5.9	5.2	0.6
SKIN	142	3.5	5.3	5.3	0.5	THYROID GLAND	142	3.2	5.5	4.9	0.5
OTHER SKIN	133	3.3	4.9	5	0.5	SKIN	124	2.8	4.8	4.3	0.5
MELANOMA	9	0.2	0.3	0.3	0	OTHER SKIN	114	2.6	4.4	3.9	0.4
LYMPHOMA	138	3.4	5.1	4.9	0.5	MELANOMA	10	0.2	0.4	0.4	0.1
KIDNEY, OTHER	110	2.7	4.1	4	0.5	NASOPHARYNX	115	2.6	4.5	3.8	0.4
URINARY ORGANS											
BRAIN, OTHER	97	2.4	3.6	3.3	0.3	LYMPHOMA	105	2.4	4.1	3.6	0.4
NERVOUS SYSTEM											
LEUKAEMIA	86	2.1	3.2	3.3	0.3	LIVER	88	2	3.4	3.1	0.4
LARYNX	77	1.9	2.9	2.9	0.4	BRAIN, OTHER	86	1.9	3.3	3	0.3
						NERVOUS SYSTEM					
ESOPHAGUS	76	1.9	2.8	2.8	0.4	LEUKAEMIA	72	1.6	2.8	2.6	0.2
THYROID GLAND	69	1.7	2.6	2.4	0.3	KIDNEY, OTHER	61	1.4	2.4	2.1	0.2
						URINARY ORGANS					

	Chinese Male					Chinese Female					
	No.	%	CR	ASR	CumR	No.	%	CR	ASR	CumR	
PANCREAS	69	1.7	2.6	2.5	0.3	BLADDER	49	1.1	1.9	1.7	0.2
OTHER AND ILL-DEFINED SITES	65	1.6	2.4	2.3	0.3	OTHER AND ILL-DEFINED SITES	46	1	1.8	1.6	0.2
BONES	41	1	1.5	1.5	0.2	BONES	44	1	1.7	1.6	0.2
NOSE, SINUSES	34	0.8	1.3	1.2	0.1	UTERUS, NOS	39	0.9	1.5	1.3	0.1
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	33	0.8	1.2	1.2	0.1	PANCREAS	38	0.9	1.5	1.4	0.2
TONGUE	33	0.8	1.2	1.2	0.1	CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	29	0.7	1.1	1	0.1
GALLBLADDER	26	0.6	1	1	0.1	GALLBLADDER	26	0.6	1	0.9	0.1
TESTIS	24	0.6	0.9	0.8	0.1	VAGINA	21	0.5	0.8	0.7	0.1
BREAST	23	0.6	0.9	0.8	0.1	ESOPHAGUS	18	0.4	0.7	0.6	0.1
HEART, MEDIASTINUM AND PLEURA	21	0.5	0.8	0.8	0.1	TONGUE	18	0.4	0.7	0.7	0.1
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	18	0.4	0.7	0.6	0.1	SALIVARY GLANDS	17	0.4	0.7	0.6	0.1
MOUTH	16	0.4	0.6	0.6	0.1	NOSE, SINUSES	15	0.3	0.6	0.5	0.1
SMALL INTESTINE	15	0.4	0.6	0.6	0.1	RETROPERITONEUM AND PERITONEUM	13	0.3	0.5	0.4	0.1
RETROPERITONEUM	12	0.3	0.4	0.5	0	HEART, MEDIASTINUM	13	0.3	0.5	0.4	0.1

	Chinese Male					Chinese Female					
	No.	%	CR	ASR	CumR	No.	%	CR	ASR	CumR	
AND PERITONEUM						AND PLEURA					
TONSIL	11	0.3	0.4	0.4	0.1	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	11	0.2	0.4	0.4	0
SALIVARY GLANDS	11	0.3	0.4	0.4	0	SMALL INTESTINE	9	0.2	0.3	0.3	0
HYPOPHARYNX	8	0.2	0.3	0.3	0	TONSIL	8	0.2	0.3	0.3	0
EYE AND ADNEXA	8	0.2	0.3	0.3	0	VULVA	8	0.2	0.3	0.3	0.1
ADRENAL GLAND	7	0.2	0.3	0.2	0	EYE AND ADNEXA	7	0.2	0.3	0.2	0
OTHER AND ILL-DEFINED	7	0.2	0.3	0.3	0	MOUTH	7	0.2	0.3	0.2	0
DIGESTIVE ORGANS						OTHER AND ILL-DEFINED	6	0.1	0.2	0.2	0
PYRIFORM SINUS	6	0.1	0.2	0.2	0	DIGESTIVE ORGANS					
PENIS	4	0.1	0.1	0.1	0	LARYNX	6	0.1	0.2	0.2	0
LIP	4	0.1	0.1	0.1	0	THYMUS	4	0.1	0.2	0.1	0
THYMUS	4	0.1	0.1	0.1	0	LIP	3	0.1	0.1	0.1	0
OROPHARYNX	3	0.1	0.1	0.1	0	ADRENAL GLAND	3	0.1	0.1	0.1	.
OTHER AND	3	0.1	0.1	0.1	0	PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	2	0	0.1	0.1	0
ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX						PLACENTA	1	0	0	0	0
PERIPHERAL NERVES	2	0	0.1	0.1	0						

	Chinese Male				
	No.	%	CR	ASR	CumR
AND AUTONOMIC NERVOUS SYSTEM					

	Chinese Female				
	No.	%	CR	ASR	CumR
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1	0	0	0	0

Table 12 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, ethnicity and sex, Peninsular Malaysia 2006 : Indian

	Indian Male					Indian Female					
	No.	%	CR	ASR	CumR	No.	%	CR	ASR	CumR	
COLORECTAL	73	11.6	8.1	12.4	1.8	BREAST	320	30	34.9	38.1	4.3
PROSTATE GLAND	71	11.3	7.8	13.7	1.6	CERVIX UTERI	87	8.2	9.5	11.3	1.5
LUNG	52	8.3	5.7	7.8	0.9	COLORECTAL	83	7.8	9.1	11.3	1.3
STOMACH	45	7.2	5	6.7	0.8	MOUTH	78	7.3	8.5	11.5	1.5
BLADDER	33	5.2	3.6	5.4	0.7	OVARY	54	5.1	5.9	6.4	0.7
TONGUE	29	4.6	3.2	4.5	0.6	THYROID GLAND	46	4.3	5	4.8	0.5
ESOPHAGUS	28	4.5	3.1	4.5	0.6	ESOPHAGUS	38	3.6	4.1	5.5	0.7
LARYNX	27	4.3	3	4.4	0.5	CORPUS UTERI	35	3.3	3.8	4.7	0.7
LIVER	26	4.1	2.9	4.1	0.5	LUNG	35	3.3	3.8	4.6	0.6
KIDNEY, OTHER	25	4	2.8	3.5	0.4	STOMACH	33	3.1	3.6	4.4	0.6
URINARY ORGANS											
LYMPHOMA	24	3.8	2.6	3.2	0.4	TONGUE	26	2.4	2.8	3.6	0.5
BRAIN, OTHER	23	3.7	2.5	2.8	0.3	BRAIN, OTHER	20	1.9	2.2	2.2	0.2
NERVOUS SYSTEM						NERVOUS SYSTEM					
LEUKAEMIA	18	2.9	2	2.2	0.3	LIVER	20	1.9	2.2	2.9	0.2
MOUTH	16	2.5	1.8	2.4	0.2	LEUKAEMIA	17	1.6	1.9	1.9	0.1
THYROID GLAND	14	2.2	1.5	1.9	0.3	SKIN	16	1.5	1.7	2.1	0.2
SKIN	13	2.1	1.4	2.1	0.2	OTHER SKIN	13	1.2	1.4	1.8	0.2
OTHER SKIN	8	1.3	0.9	1.4	0.2	MELANOMA	3	0.3	0.3	0.4	0
MELANOMA	5	0.8	0.6	0.7	0.1	KIDNEY, OTHER	15	1.4	1.6	1.8	0.2

	Indian Male				
	No.	%	CR	ASR	CumR
OTHER AND ILL-DEFINED SITES	11	1.7	1.2	1.6	0.1
PANCREAS	10	1.6	1.1	1.1	0.1
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	9	1.4	1	1.2	0.1
BONES	9	1.4	1	1.3	0.1
NASOPHARYNX	7	1.1	0.8	1	0.1
TESTIS	6	1	0.7	0.7	0.1
SALIVARY GLANDS	6	1	0.7	0.8	0.1
PENIS	6	1	0.7	1.1	0.2
OROPHARYNX	6	1	0.7	0.9	0.1
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	6	1	0.7	0.8	0.1
EYE AND ADNEXA	6	1	0.7	0.6	0
HYPOPHARYNX	5	0.8	0.6	0.8	0.1
TONSIL	5	0.8	0.6	0.8	0.2
NOSE, SINUSES	4	0.6	0.4	0.6	0

	Indian Female				
	No.	%	CR	ASR	CumR
URINARY ORGANS					
OTHER AND ILL-DEFINED SITES	15	1.4	1.6	1.9	0.3
UTERUS, NOS	14	1.3	1.5	1.6	0.2
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	13	1.2	1.4	1.6	0.2
LYMPHOMA	12	1.1	1.3	1.4	0.2
BONES	12	1.1	1.3	1.2	0.1
LARYNX	8	0.8	0.9	1.2	0.1
PANCREAS	7	0.7	0.8	0.7	0.1
BLADDER	6	0.6	0.7	0.7	0.1
VAGINA	6	0.6	0.7	0.8	0.1
HYPOPHARYNX	6	0.6	0.7	0.8	0.1
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	5	0.5	0.5	0.5	0
SALIVARY GLANDS	5	0.5	0.5	0.7	0.1
LIP	4	0.4	0.4	0.5	0.1
RETROPERITONEUM	3	0.3	0.3	0.4	0

	Indian Male						Indian Female				
	No.	%	CR	ASR	CumR		No.	%	CR	ASR	CumR
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	4	0.6	0.4	0.6	0.1	AND PERITONEUM TONSIL	3	0.3	0.3	0.4	0.1
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	3	0.5	0.3	0.4	0	OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	3	0.3	0.3	0.5	0.1
HEART, MEDIASTINUM AND PLEURA	3	0.5	0.3	0.5	0.1	ADRENAL GLAND	3	0.3	0.3	0.4	0
ADRENAL GLAND	2	0.3	0.2	0.2	0	NASOPHARYNX	2	0.2	0.2	0.2	0
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	1	0.2	0.1	0.2	0	GALLBLADDER	2	0.2	0.2	0.3	0
OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	0.2	0.1	0.2	0	OROPHARYNX	2	0.2	0.2	0.3	0.1
BREAST	1	0.2	0.1	0.2	0.1	SMALL INTESTINE	2	0.2	0.2	0.2	0
RETROPERITONEUM AND PERITONEUM	1	0.2	0.1	0.1	0	PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	2	0.2	0.2	0.2	0
						HEART, MEDIASTINUM AND PLEURA	2	0.2	0.2	0.3	0.1

Indian Male				
No.	%	CR	ASR	CumR

Indian Female					
No.	%	CR	ASR	CumR	
VULVA	2	0.2	0.2	0.3	0
EYE AND ADNEXA	1	0.1	0.1	0.1	0
PLACENTA	1	0.1	0.1	0.1	0
NOSE, SINUSES	1	0.1	0.1	0.1	0

Figure 13. Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 0 – 14 years old

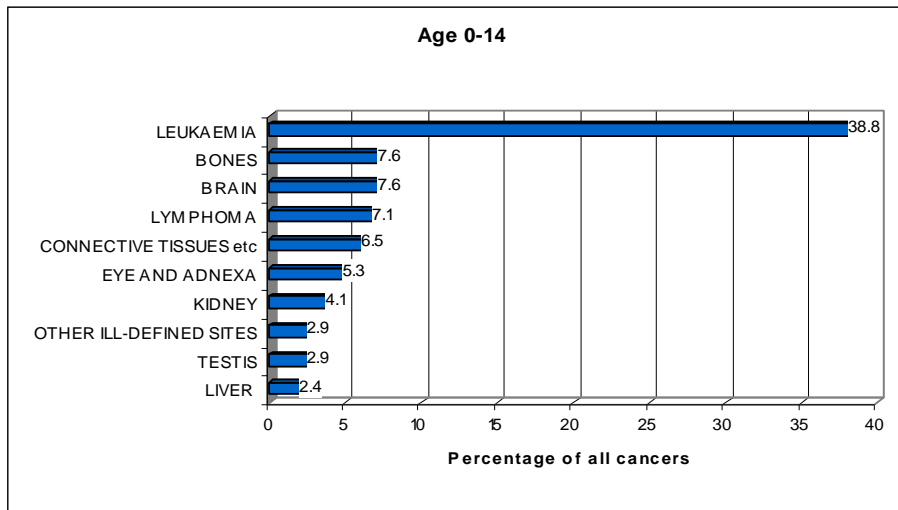


Figure 14. : Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 14 - 49 years old

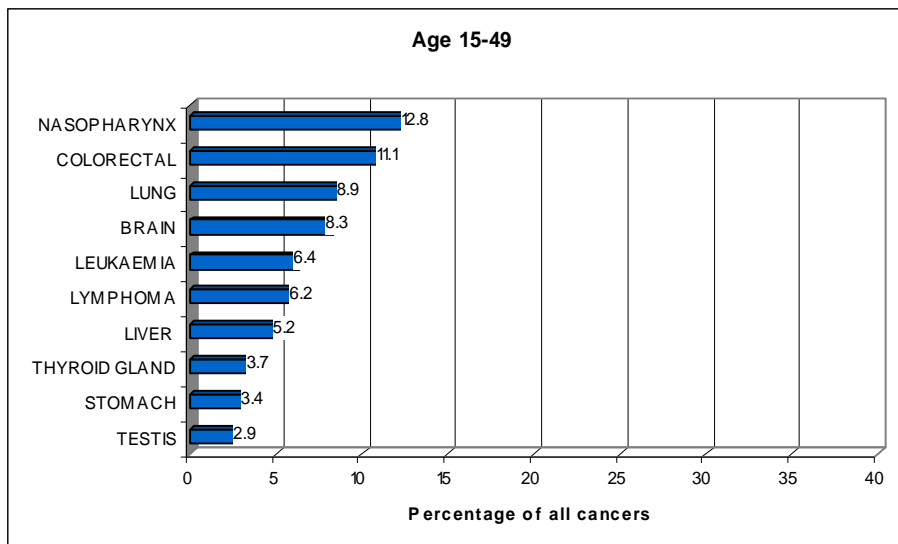


Figure 15 : Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 50 - 69 years old

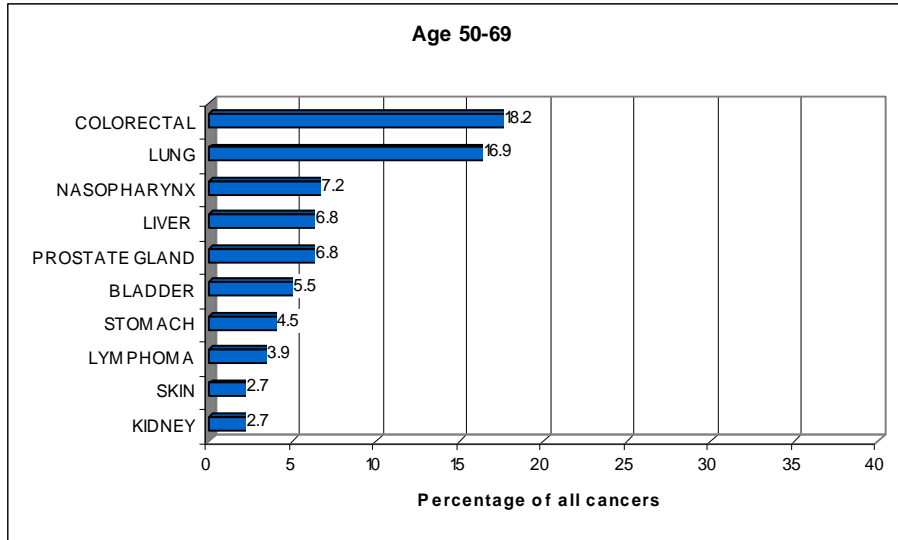
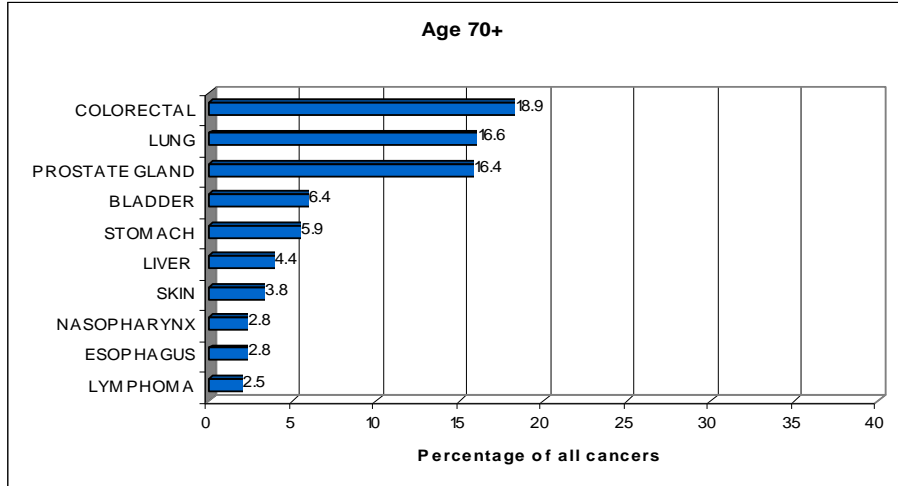


Figure 16 : Ten most frequent cancers in males by age groups, Peninsular Malaysia 2006 : Age 70 + years old



5.2.3. Age variation in cancer incidence by site

Table 13 : Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by site, age and sex, Peninsular Malaysia 2006

Site	Male, Age 0-14		
	No.	%	CR
LEUKAEMIA	66	38.8	2.1
BONES	13	7.6	0.4
BRAIN, OTHER NERVOUS SYSTEM	13	7.6	0.4
LYMPHOMA	12	7.1	0.4
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	11	6.5	0.3
EYE AND ADNEXA	9	5.3	0.3
KIDNEY, OTHER URINARY ORGANS	7	4.1	0.2
TESTIS	5	2.9	0.2
OTHER AND ILL-DEFINED SITES	5	2.9	0.2
LIVER	4	2.4	0.1
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	4	2.4	0.1
ADRENAL GLAND	3	1.8	0.1
SKIN	3	1.8	0.1
OTHER SKIN	3	1.8	0.1
THYROID GLAND	3	1.8	0.1
OTHER AND ILL-DEFINED SITES	3	1.8	0.1

Site	Female, Age 0-14		
	No.	%	CR
LEUKAEMIA	33	32	1.1
BRAIN, OTHER NERVOUS SYSTEM	15	14.6	0.5
BONES	10	9.7	0.3
OVARY	9	8.7	0.3
LYMPHOMA	6	5.8	0.2
KIDNEY, OTHER URINARY ORGANS	5	4.9	0.2
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	3	2.9	0.1
ADRENAL GLAND	3	2.9	0.1
SKIN	2	1.9	0.1
OTHER SKIN	2	1.9	0.1
OTHER AND ILL-DEFINED SITES	2	1.9	0.1
SALIVARY GLANDS	2	1.9	0.1
EYE AND ADNEXA	2	1.9	0.1
NOSE, SINUSES	1	1	0
BREAST	1	1	0
OTHER AND ILL-DEFINED SITES IN	1	1	0

Site	Male, Age 0-14		
	No.	%	CR
WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS			
NASOPHARYNX	2	1.2	0.1
TONGUE	2	1.2	0.1
HEART, MEDIASTINUM AND PLEURA	1	0.6	0
OTHER AND ILL-DEFINED	1	0.6	0
DIGESTIVE ORGANS			
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	1	0.6	0
SALIVARY GLANDS	1	0.6	0
COLORECTAL	1	0.6	0

Site	Female, Age 0-14		
	No.	%	CR
LIP, ORAL CAVITY AND PHARYNX			
PANCREAS	1	1	0
RETROPERITONEUM AND PERITONEUM	1	1	0
LIVER	1	1	0
TONGUE	1	1	0
LUNG	1	1	0
THYROID GLAND	1	1	0
COLORECTAL	1	1	0
LARYNX	1	1	0

Male, Age 15-49			
Site	No.	%	CR
NASOPHARYNX	329	12.8	6.3
COLORECTAL	284	11.1	5.4
LUNG	229	8.9	4.4
BRAIN, OTHER NERVOUS SYSTEM	213	8.3	4
LEUKAEMIA	165	6.4	3.1
LYMPHOMA	159	6.2	3
LIVER	133	5.2	2.5
THYROID GLAND	95	3.7	1.8
STOMACH	87	3.4	1.7
TESTIS	75	2.9	1.4
BONES	72	2.8	1.4
OTHER AND ILL-DEFINED SITES	69	2.7	1.3
KIDNEY, OTHER URINARY ORGANS	69	2.7	1.3
SKIN	68	2.6	1.3
OTHER SKIN	55	2.1	1
MELANOMA	13	0.5	0.2
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	62	2.4	1.2
BLADDER	49	1.9	0.9
EYE AND ADNEXA	47	1.8	0.9
PANCREAS	36	1.4	0.7
SALIVARY GLANDS	31	1.2	0.6
TONGUE	27	1.1	0.5

Female, Age 15-49			
Site	No.	%	CR
BREAST	1525	34.4	29.2
CERVIX UTERI	429	9.7	8.2
THYROID GLAND	391	8.8	7.5
OVARY	329	7.4	6.3
COLORECTAL	249	5.6	4.8
BRAIN, OTHER NERVOUS SYSTEM	172	3.9	3.3
CORPUS UTERI	120	2.7	2.3
NASOPHARYNX	114	2.6	2.2
LYMPHOMA	109	2.5	2.1
LUNG	108	2.4	2.1
LEUKAEMIA	105	2.4	2
BONES	80	1.8	1.5
STOMACH	67	1.5	1.3
LIVER	66	1.5	1.3
UTERUS, NOS	56	1.3	1.1
OTHER AND ILL-DEFINED SITES	55	1.2	1.1
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	52	1.2	1
SKIN	51	1.1	1
OTHER SKIN	41	0.9	0.8
MELANOMA	10	0.2	0.2
KIDNEY, OTHER URINARY ORGANS	42	0.9	0.8
SALIVARY GLANDS	42	0.9	0.8

Site	Male, Age 15-49		
	No.	%	CR
ADRENAL GLAND	25	1	0.5
GALLBLADDER	25	1	0.5
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	24	0.9	0.5
LARYNX	23	0.9	0.4
BREAST	22	0.9	0.4
ESOPHAGUS	22	0.9	0.4
NOSE, SINUSES	19	0.7	0.4
MOUTH	12	0.5	0.2
HEART, MEDIASTINUM AND PLEURA	12	0.5	0.2
SMALL INTESTINE	11	0.4	0.2
PENIS	11	0.4	0.2
PROSTATE GLAND	10	0.4	0.2
THYMUS	9	0.4	0.2
TONSIL	9	0.4	0.2
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	7	0.3	0.1
RETROPERITONEUM AND PERITONEUM	5	0.2	0.1
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	5	0.2	0.1

Site	Female, Age 15-49		
	No.	%	CR
EYE AND ADNEXA	38	0.9	0.7
TONGUE	24	0.5	0.5
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	23	0.5	0.4
NOSE, SINUSES	18	0.4	0.3
BLADDER	16	0.4	0.3
ESOPHAGUS	15	0.3	0.3
HEART, MEDIASTINUM AND PLEURA	14	0.3	0.3
PANCREAS	13	0.3	0.2
GALLBLADDER	12	0.3	0.2
RETROPERITONEUM AND PERITONEUM	12	0.3	0.2
MOUTH	12	0.3	0.2
ADRENAL GLAND	12	0.3	0.2
PLACENTA	9	0.2	0.2
TONSIL	9	0.2	0.2
VAGINA	8	0.2	0.2
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	6	0.1	0.1
LIP	5	0.1	0.1

Site	Male, Age 15-49		
	No.	%	CR
LIP	3	0.1	0.1
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	3	0.1	0.1
PYRIFORM SINUS	3	0.1	0.1
OTHER AND UNSPECIFIED MALE GENITAL ORGANS	3	0.1	0.1
OROPHARYNX	2	0.1	0
HYPOPHARYNX	2	0.1	0
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1	0	0

Site	Female, Age 15-49		
	No.	%	CR
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	5	0.1	0.1
LARYNX	5	0.1	0.1
VULVA	4	0.1	0.1
HYPOPHARYNX	4	0.1	0.1
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	4	0.1	0.1
SMALL INTESTINE	3	0.1	0.1
THYMUS	2	0	0
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	2	0	0
OROPHARYNX	1	0	0

Site	Male, Age 50-69		
	No.	%	CR
COLORECTAL	870	18.2	66.1
LUNG	809	16.9	61.5
NASOPHARYNX	346	7.2	26.3
PROSTATE GLAND	323	6.8	24.5
LIVER	323	6.8	24.5
BLADDER	265	5.5	20.1
STOMACH	216	4.5	16.4
LYMPHOMA	184	3.9	14
SKIN	131	2.7	10
OTHER SKIN	117	2.4	8.9
MELANOMA	14	0.3	1.1
KIDNEY, OTHER URINARY ORGANS	128	2.7	9.7
BRAIN, OTHER NERVOUS SYSTEM	114	2.4	8.7
LARYNX	110	2.3	8.4
ESOPHAGUS	101	2.1	7.7
THYROID GLAND	98	2.1	7.4
LEUKAEMIA	97	2	7.4
PANCREAS	88	1.8	6.7
OTHER AND ILL-DEFINED SITES	82	1.7	6.2
BONES	64	1.3	4.9
TONGUE	63	1.3	4.8
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	38	0.8	2.9
NOSE, SINUSES	38	0.8	2.9

Site	Female, Age 50-69		
	No.	%	CR
BREAST	1734	31.9	133.3
COLORECTAL	617	11.4	47.4
CERVIX UTERI	504	9.3	38.7
LUNG	346	6.4	26.6
OVARY	302	5.6	23.2
THYROID GLAND	223	4.1	17.1
CORPUS UTERI	213	3.9	16.4
STOMACH	132	2.4	10.1
LYMPHOMA	128	2.4	9.8
NASOPHARYNX	103	1.9	7.9
BRAIN, OTHER NERVOUS SYSTEM	102	1.9	7.8
LIVER	91	1.7	7
SKIN	87	1.6	6.7
OTHER SKIN	74	1.4	5.7
MELANOMA	13	0.2	1
MOUTH	72	1.3	5.5
LEUKAEMIA	65	1.2	5
PANCREAS	63	1.2	4.8
UTERUS, NOS	63	1.2	4.8
OTHER AND ILL-DEFINED SITES	57	1	4.4
KIDNEY, OTHER URINARY ORGANS	56	1	4.3
ESOPHAGUS	53	1	4.1
TONGUE	43	0.8	3.3

Site	Male, Age 50-69		
	No.	%	CR
GALLBLADDER	34	0.7	2.6
BREAST	33	0.7	2.5
MOUTH	28	0.6	2.1
HEART, MEDIASTINUM AND PLEURA	27	0.6	2.1
SALIVARY GLANDS	24	0.5	1.8
SMALL INTESTINE	19	0.4	1.4
TONSIL	17	0.4	1.3
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	15	0.3	1.1
TESTIS	15	0.3	1.1
HYPOPHARYNX	12	0.3	0.9
PENIS	12	0.3	0.9
RETROPERITONEUM AND PERITONEUM	11	0.2	0.8
OROPHARYNX	8	0.2	0.6
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	6	0.1	0.5
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	6	0.1	0.5
EYE AND ADNEXA	5	0.1	0.4
PYRIFORM SINUS	5	0.1	0.4

Site	Female, Age 50-69		
	No.	%	CR
BONES	42	0.8	3.2
BLADDER	40	0.7	3.1
GALLBLADDER	36	0.7	2.8
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	34	0.6	2.6
RETROPERITONEUM AND PERITONEUM	26	0.5	2
SALIVARY GLANDS	25	0.5	1.9
VAGINA	22	0.4	1.7
HEART, MEDIASTINUM AND PLEURA	21	0.4	1.6
NOSE, SINUSES	21	0.4	1.6
SMALL INTESTINE	16	0.3	1.2
VULVA	15	0.3	1.2
LARYNX	15	0.3	1.2
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	15	0.3	1.2
LIP	9	0.2	0.7
TONSIL	8	0.1	0.6
HYPOPHARYNX	7	0.1	0.5
PERIPHERAL NERVES AND	6	0.1	0.5

Site	Male, Age 50-69		
	No.	%	CR
THYMUS	3	0.1	0.2
ADRENAL GLAND	3	0.1	0.2
OTHER AND ILL-DEFINED	3	0.1	0.2
DIGESTIVE ORGANS			
LIP	2	0	0.2
OTHER AND UNSPECIFIED MALE	2	0	0.2
GENITAL ORGANS			
OTHER AND ILL-DEFINED SITES	1	0	0.1
WITHIN RESPIRATORY SYSTEM			
AND INTRATHORACIC ORGANS			

Site	Female, Age 50-69		
	No.	%	CR
AUTONOMIC NERVOUS SYSTEM			
OTHER AND ILL-DEFINED SITES IN	6	0.1	0.5
LIP, ORAL CAVITY AND PHARYNX			
ADRENAL GLAND	5	0.1	0.4
EYE AND ADNEXA	5	0.1	0.4
OTHER AND ILL-DEFINED	4	0.1	0.3
DIGESTIVE ORGANS			
THYMUS	3	0.1	0.2
OTHER AND ILL-DEFINED SITES	1	0	0.1
WITHIN RESPIRATORY SYSTEM			
AND INTRATHORACIC ORGANS			

	Male, Age 70+		
	No.	%	CR
COLORECTAL	464	18.9	182.7
LUNG	407	16.6	160.3
PROSTATE GLAND	402	16.4	158.3
BLADDER	157	6.4	61.8
STOMACH	146	5.9	57.5
LIVER	108	4.4	42.5
SKIN	93	3.8	36.6
OTHER SKIN	86	3.5	33.9
MELANOMA	7	0.3	2.8
NASOPHARYNX	69	2.8	27.2
ESOPHAGUS	68	2.8	26.8
LYMPHOMA	61	2.5	24
LARYNX	50	2	19.7
KIDNEY, OTHER URINARY ORGANS	48	2	18.9
OTHER AND ILL-DEFINED SITES	42	1.7	16.5
LEUKAEMIA	35	1.4	13.8
TONGUE	32	1.3	12.6
PANCREAS	32	1.3	12.6
THYROID GLAND	25	1	9.8
GALLBLADDER	24	1	9.5
MOUTH	23	0.9	9.1
BONES	23	0.9	9.1
BRAIN, OTHER NERVOUS SYSTEM	21	0.9	8.3

Site	Female, Age 70+		
	No.	%	CR
COLORECTAL	380	20.9	122.7
BREAST	265	14.5	85.5
LUNG	148	8.1	47.8
CERVIX UTERI	141	7.7	45.5
STOMACH	125	6.9	40.3
SKIN	96	5.3	31
OTHER SKIN	93	5.1	30
MELANOMA	3	0.2	1
LIVER	67	3.7	21.6
THYROID GLAND	55	3	17.8
OVARY	45	2.5	14.5
ESOPHAGUS	43	2.4	13.9
MOUTH	43	2.4	13.9
BLADDER	43	2.4	13.9
CORPUS UTERI	39	2.1	12.6
LYMPHOMA	36	2	11.6
OTHER AND ILL-DEFINED SITES	30	1.6	9.7
KIDNEY, OTHER URINARY ORGANS	28	1.5	9
GALLBLADDER	27	1.5	8.7
PANCREAS	20	1.1	6.5
NASOPHARYNX	18	1	5.8
TONGUE	18	1	5.8
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	17	0.9	5.5

	Male, Age 70+		
	No.	%	CR
CONNECTIVE, SUBCUTANEOUS AND OTHER SOFT TISSUES	19	0.8	7.5
RETROPERITONEUM AND PERITONEUM	12	0.5	4.7
NOSE, SINUSES	12	0.5	4.7
BREAST	11	0.4	4.3
HEART, MEDIASTINUM AND PLEURA	9	0.4	3.5
SALIVARY GLANDS	9	0.4	3.5
TESTIS	9	0.4	3.5
TONSIL	7	0.3	2.8
OROPHARYNX	5	0.2	2
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	5	0.2	2
PENIS	4	0.2	1.6
SMALL INTESTINE	4	0.2	1.6
HYPOPHARYNX	4	0.2	1.6
PYRIFORM SINUS	4	0.2	1.6
LIP	3	0.1	1.2
OTHER AND ILL-DEFINED SITES IN	3	0.1	1.2

Site	Female, Age 70+		
	No.	%	CR
LEUKAEMIA	17	0.9	5.5
VAGINA	16	0.9	5.2
BRAIN, OTHER NERVOUS SYSTEM	14	0.8	4.5
LARYNX	12	0.7	3.9
BONES	10	0.5	3.2
HEART, MEDIASTINUM AND PLEURA	8	0.4	2.6
VULVA	8	0.4	2.6
SALIVARY GLANDS	8	0.4	2.6
RETROPERITONEUM AND PERITONEUM	7	0.4	2.3
UTERUS, NOS	6	0.3	1.9
LIP	6	0.3	1.9
OTHER AND ILL-DEFINED DIGESTIVE ORGANS	5	0.3	1.6
NOSE, SINUSES	4	0.2	1.3
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	3	0.2	1
ADRENAL GLAND	3	0.2	1
OROPHARYNX	2	0.1	0.6

	Male, Age 70+		
	No.	%	CR
LIP, ORAL CAVITY AND PHARYNX			
OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	3	0.1	1.2
EYE AND ADNEXA	2	0.1	0.8
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM	1	0	0.4
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1	0	0.4
OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	0	0.4

Site	Female, Age 70+		
	No.	%	CR
SMALL INTESTINE	2	0.1	0.6
TONSIL	2	0.1	0.6
OTHER AND ILL-DEFINED SITES WITHIN RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	2	0.1	0.6
HYPOPHARYNX	2	0.1	0.6
OTHER AND ILL-DEFINED SITES IN LIP, ORAL CAVITY AND PHARYNX	1	0.1	0.3

6. SELECTED CANCER SITES 2006

6.1 TONGUE (ICDO: C01-C02)

Table 14 : Tongue Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	124	59	1.2	1.6
Female	86	41	0.9	1.1
Both	210	100	1.1	1.3

Table 15 : Tongue Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	2	1.6	0.1	0	0	0
10-19	0	0	0	1	1.2	0.1
20-29	1	0.8	0.1	2	2.3	0.1
30-39	7	5.6	0.5	10	11.6	0.7
40-49	19	15.3	1.6	12	14	1
50-59	29	23.4	3.4	16	18.6	1.9
60-69	34	27.4	7.4	27	31.4	5.8
70+	32	25.8	12.6	18	20.9	5.8

Figure 17 : Tongue Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

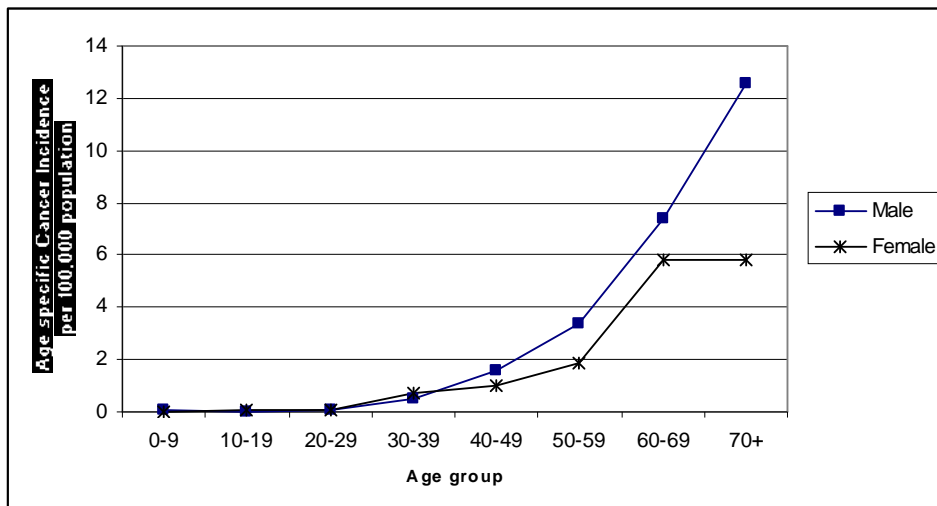


Table 16 : Tongue Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	31	33.3	0.5	0.7	34	43.6	0.6	0.7
Chinese	33	35.5	1.2	1.2	18	23.1	0.7	0.7
Indian	29	31.2	3.2	4.5	26	33.3	2.8	3.6

Table 17 : Tongue Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.1	0.3	0.8	2.2	3	4.4	0.1
	Chinese	0	0	0	0.3	1.3	3	6.6	6.2	0.1
	Indian	0	0	0	2.2	4.1	7.2	18.7	44.2	0.6
Female	Malay	0	0	0.1	1.1	1.3	0.4	3.3	3.1	0.1
	Chinese	0	0	0	0	0.5	0.7	4	5.9	0.1
	Indian	0	0	0	0.7	0.8	11.6	21.8	20.7	0.5

6.2 SALIVARY GLAND (ICDO: C07-C08)

Table 18 : Salivary Gland Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	65	45.8	0.7	0.8
Female	77	54.2	0.8	0.8
Both	142	100	0.7	0.8

Table 19 : Salivary Gland Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	6	9.2	0.3	6	7.8	0.3
20-29	4	6.2	0.2	5	6.5	0.3
30-39	7	10.8	0.5	18	23.4	1.3
40-49	15	23.1	1.3	15	19.5	1.3
50-59	8	12.3	0.9	18	23.4	2.1
60-69	16	24.6	3.5	7	9.1	1.5
70+	9	13.8	3.5	8	10.4	2.6

Figure 18 : Salivary Gland Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

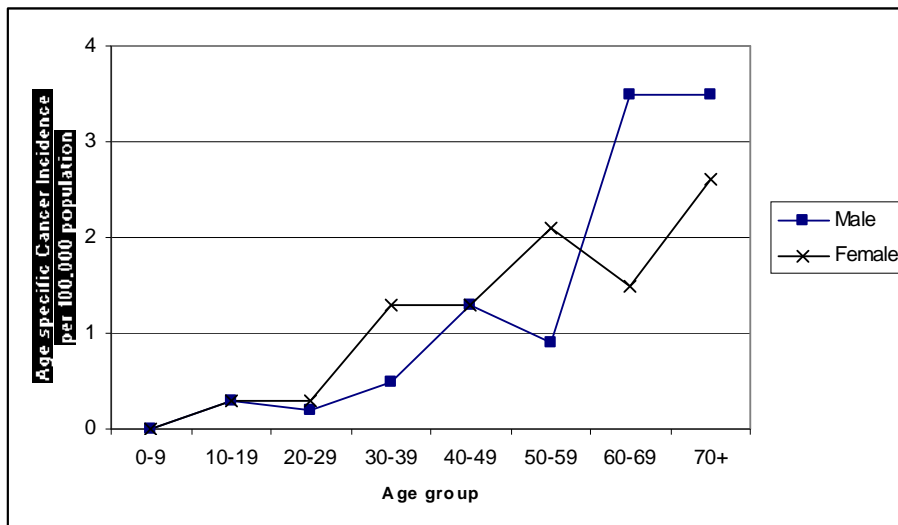


Table 20 : Salivary Gland Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	35	67.3	0.6	0.7	38	63.3	0.6	0.7
Chinese	11	21.2	0.4	0.4	17	28.3	0.7	0.6
Indian	6	11.5	0.7	0.8	5	8.3	0.5	0.7

Table 21 : Salivary Gland Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0.3	0.3	0.5	1.2	1.1	3	3	0.1
	Chinese	0	0	0	0	0.8	1	2.2	1	0
	Indian	0	0	0	2.2	0.8	0	5.3	0	0.1
Female	Malay	0	0.3	0.3	1.3	1.2	1.8	0.8	1.8	0.1
	Chinese	0	0.2	0.2	0.3	1.3	2.1	0.6	1.7	0.1
	Indian	0	0	0	0.7	0.8	0	0	12.4	0.1

6.3 MOUTH (ICDO: C03-C06)

Table 22 : Mouth Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	63	33.2	0.6	0.8
Female	127	66.8	1.3	1.6
Both	190	100	1	1.2

Table 23 : Mouth Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	2	1.6	0.1
20-29	0	0	0	4	3.1	0.2
30-39	4	6.3	0.3	1	0.8	0.1
40-49	8	12.7	0.7	5	3.9	0.4
50-59	13	20.6	1.5	34	26.8	4.1
60-69	15	23.8	3.3	38	29.9	8.2
70+	23	36.5	9.1	43	33.9	13.9

Figure 19 : Mouth Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

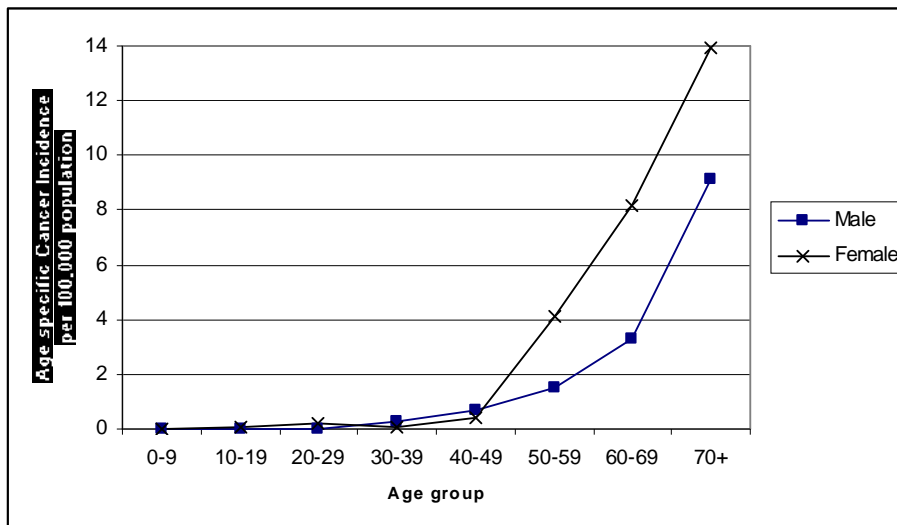


Table 24 : Mouth Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	24	42.9	0.4	0.6	19	18.3	0.3	0.4
Chinese	16	28.6	0.6	0.6	7	6.7	0.3	0.2
Indian	16	28.6	1.8	2.4	78	75	8.5	11.5

Table 25 : Mouth Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0	0.3	0.8	0.2	2.2	8.2	0.1
	Chinese	0	0	0	0	0.3	1	2.7	7.2	0.1
	Indian	0	0	0	0.7	0	9.6	10.7	16.6	0.2
Female	Malay	0	0.2	0.2	0.1	0.1	0.7	2.1	3.1	0
	Chinese	0	0	0.2	0	0.3	1.1	0.6	0.8	0
	Indian	0	0	0	0				119.	
						1.6	26.6	58.3	8	1.5

6.4 NASOPHARYNX (ICDO: C11)

Table 26 : Nasopharynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	746	76	7.5	8.5
Female	235	24	2.4	2.6
Both	981	100	4.9	5.5

Table 27 : Nasopharynx Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	14	1.9	0.7	3	1.3	0.2
20-29	28	3.8	1.6	10	4.3	0.6
30-39	95	12.7	7.1	46	19.6	3.4
40-49	194	26	16.4	55	23.4	4.6
50-59	224	30	26.1	68	28.9	8.1
60-69	122	16.4	26.7	35	14.9	7.6
70+	69	9.2	27.2	18	7.7	5.8

Figure 20 : Nasopharynx Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

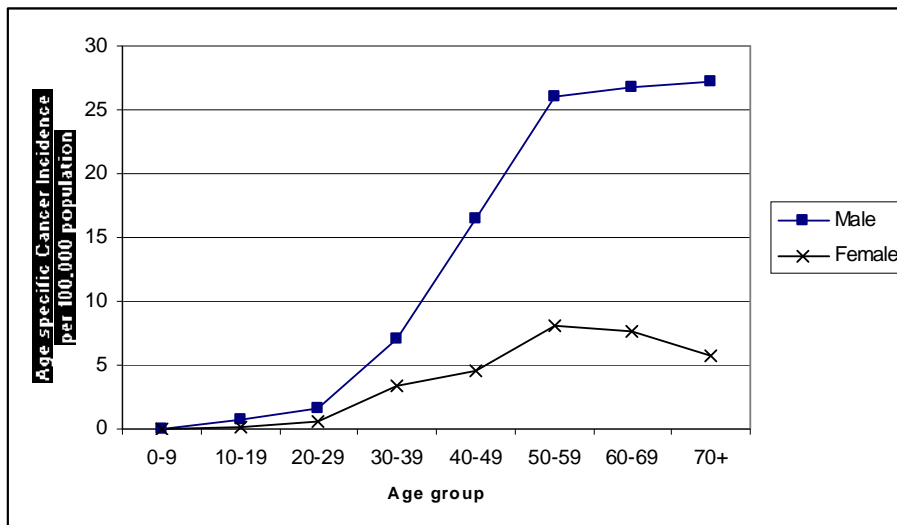


Table 28 : Nasopharynx Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	189	30.3	3.1	4	64	35.4	1.1	1.3
Chinese	427	68.5	15.9	14	115	63.5	4.5	3.8
Indian	7	1.1	0.8	1	2	1.1	0.2	0.2

Table 29 : Nasopharynx Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	CumR
Male	Malay	0	0.4	1	2.9	6.6	11.5	12.5	17.8	0.5
	Chinese	0	0.7	1.6	15	31.1	45.5	39	30.9	1.5
	Indian	0	0	0	2.2	0.8	0	2.7	11	0.1
Female	Malay	0	0.2	0.4	1.8	1.9	3.9	4.1	1.8	0.1
	Chinese	0	0	1	5.1	8.1	13.7	8.1	6.8	0.4
	Indian	0	0	0	0.7	0.8	0	0	0	0

6.5 OESOPHAGUS (ICDO: C15)

Table 30 : Oesophagus Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	191	63.2	1.9	2.7
Female	111	36.8	1.1	1.4
Both	302	100	1.5	2

Table 31 : **Oesophagus** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	0	0	0
20-29	1	0.5	0.1	1	0.9	0.1
30-39	3	1.6	0.2	2	1.8	0.1
40-49	18	9.4	1.5	12	10.8	1
50-59	37	19.4	4.3	22	19.8	2.6
60-69	64	33.5	14	31	27.9	6.7
70+	68	35.6	26.8	43	38.7	13.9

Figure 21 : Oesophagus Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

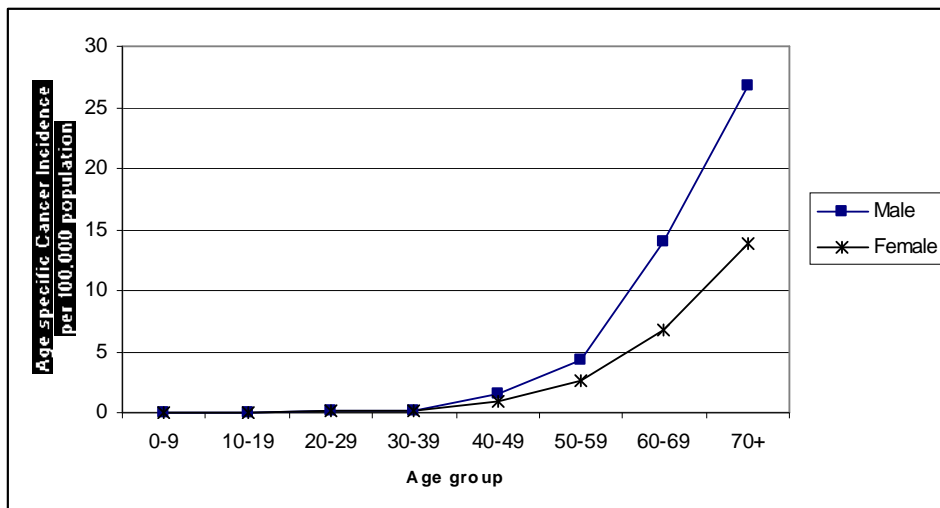


Table 32 : Oesophagus Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	68	39.5	1.1	1.8	45	44.6	0.7	1.1
Chinese	76	44.2	2.8	2.8	18	17.8	0.7	0.6
Indian	28	16.3	3.1	4.5	38	37.6	4.1	5.5

Table 33 : Oesophagus Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.1	0.3	1.2	2	9.9	18.5	0.2
	Chinese	0	0	0	0.3	0.8	5.9	15.9	25.7	0.4
	Indian	0	0	0	0	4.9	8.4	16	49.7	0.6
Female	Malay	0	0	0.1	0.1	0.7	2.4	4.5	9.8	0.1
	Chinese	0	0	0	0	0	1.1	1.7	10.2	0.1
	Indian	0	0	0	0.7	4	8.1	34	45.5	0.7

6.6 STOMACH (ICDO: C16)

Table 34 : Stomach Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	449	58.1	4.5	6.1
Female	324	41.9	3.3	4
Both	773	100	3.9	5

Table 35 : Stomach Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	0	0	0
20-29	10	2.2	0.6	6	1.9	0.4
30-39	24	5.3	1.8	23	7.1	1.7
40-49	53	11.8	4.5	38	11.7	3.2
50-59	77	17.1	9	58	17.9	6.9
60-69	139	31	30.4	74	22.8	16
70+	146	32.5	57.5	125	38.6	40.3

Figure 22 : Stomach Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

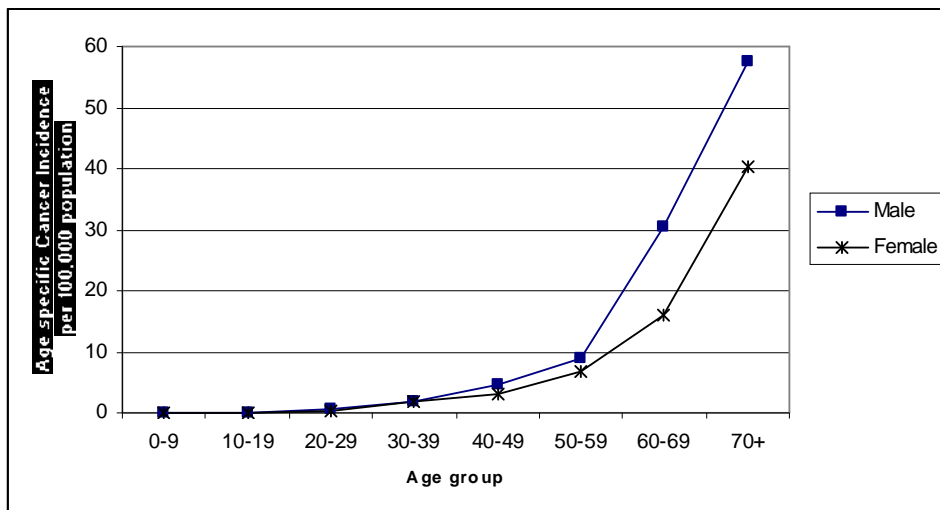


Table 36 : Stomach Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	94	25.9	1.5	2.3	57	21.9	0.9	1.3
Chinese	224	61.7	8.3	8.4	170	65.4	6.6	5.8
Indian	45	12.4	5	6.7	33	12.7	3.6	4.4

Table 37 : Stomach Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.6	0.8	2.4	3.7	11.2	17	0.3
	Chinese	0	0	0.7	2.3	4.8	12.2	40.1	86.4	1
	Indian	0	0	0	4.4	5.8	13.2	34.8	44.2	0.8
Female	Malay	0	0	0.1	0.9	1.6	2.4	6.2	7.3	0.1
	Chinese	0	0	0.2	2	5.7	8.8	20.1	67.9	0.6
	Indian	0	0	1.3	2.8	0	12.7	19.4	33.1	0.6

6.7 COLORECTAL (ICDO: C18-C21)

Table 38 : Colorectal Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	1619	56.5	16.2	21.6
Female	1247	43.5	12.7	15.4
Both	2866	100	14.5	18.4

Table 39 : Colorectal Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	2	0.1	0.1	4	0.3	0.2
20-29	26	1.6	1.5	32	2.6	1.9
30-39	78	4.8	5.8	65	5.2	4.7
40-49	179	11.1	15.1	149	11.9	12.4
50-59	399	24.6	46.5	282	22.6	33.6
60-69	471	29.1	102.9	335	26.9	72.4
70+	464	28.7	182.7	380	30.5	122.7

Figure 23 : Colorectal Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

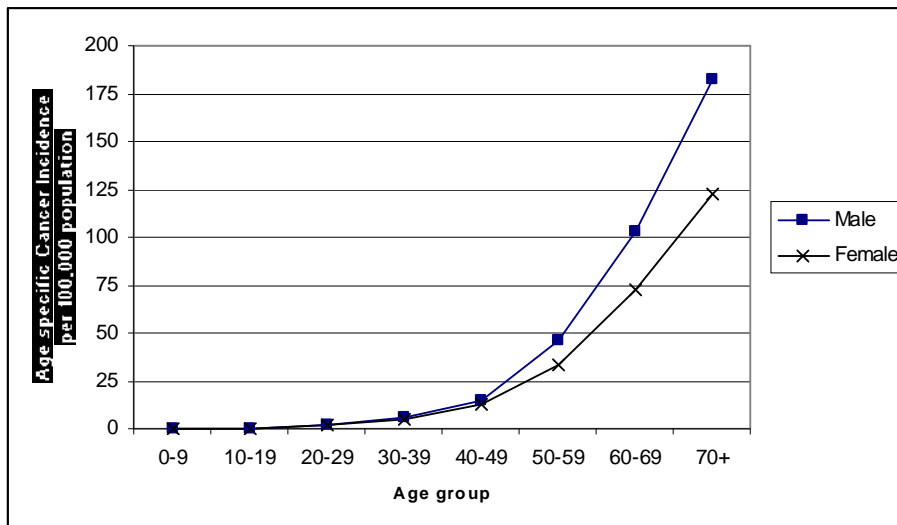


Table 40 : Colorectal Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	625	42.7	10.1	15.5	419	37.5	6.9	9.5
Chinese	767	52.4	28.5	28	615	55.1	23.8	21.4
Indian	73	5	8.1	12.4	83	7.4	9.1	11.3

Table 41 : Colorectal Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0.1	1.2	4.4	12.1	35.7	77.5	113.4	2
	Chinese	0	0.2	0.2	5.8	18.7	60.7	127.5	262.3	3.4
	Indian	0	0	1.3	2.9	2.5	22.8	50.8	143.6	1.8
Female	Malay	0	0.1	1.7	3.1	10.2	20.8	48.7	56.8	1.1
	Chinese	0	0.5	1.7	6.4	14.6	45	93.8	200.3	2.4
	Indian	0	0	0.6	3.5	5.5	31.3	38.8	111.6	1.3

6.8 LIVER (ICDO: C22)

Table 42 : Liver Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	568	71.6	5.7	7.2
Female	225	28.4	2.3	2.7
Both	793	100	4	4.9

Table 43 : Liver Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	1	0.2	0	1	0.4	0.1
10-19	5	0.9	0.2	2	0.9	0.1
20-29	9	1.6	0.5	7	3.1	0.4
30-39	27	4.8	2	21	9.3	1.5
40-49	95	16.7	8	36	16	3
50-59	164	28.9	19.1	38	16.9	4.5
60-69	159	28	34.7	53	23.6	11.5
70+	108	19	42.5	67	29.8	21.6

Figure 24 : Liver Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

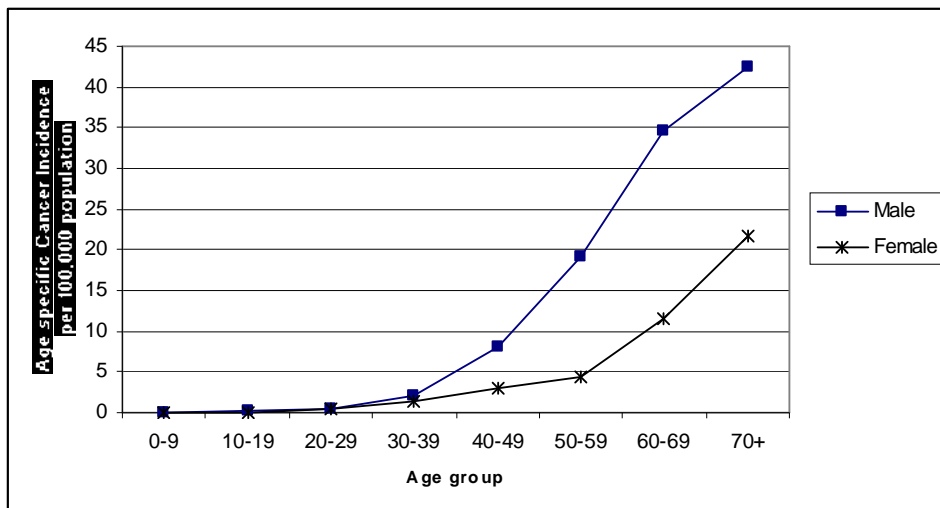


Table 44 : Liver Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	212	43.1	3.4	4.9	82	43.2	1.3	1.8
Chinese	254	51.6	9.4	9	88	46.3	3.4	3.1
Indian	26	5.3	2.9	4.1	20	10.5	2.2	2.9

Table .45 : Liver Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0.1	0.2	0.6	1.4	5.9	14.1	22.4	25.2	0.6
	Chinese	0	0.2	0.2	2.5	9	24.7	41.8	58.6	1.1
	Indian	0	0.6	0.6	1.5	1.6	7.2	16	44.2	0.5
Female	Malay	0.1	0.2	0.2	1.5	2.4	2.4	6.6	13.4	0.2
	Chinese	0	0	1	1.5	3.2	4.6	13.2	25.5	0.4
	Indian	0	0	0	0	2.4	4.6	4.9	45.5	0.2

6.9 GALLBLADDER (ICDO: C23-C24)

Table 46 : **Gallbladder** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	83	52.5	0.8	1.1
Female	75	47.5	0.8	0.9
Both	158	100	0.8	1

Table 47 : **Gallbladder** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	0	0	0
20-29	2	2.4	0.1	2	2.7	0.1
30-39	6	7.2	0.4	2	2.7	0.1
40-49	17	20.5	1.4	8	10.7	0.7
50-59	15	18.1	1.7	19	25.3	2.3
60-69	19	22.9	4.2	17	22.7	3.7
70+	24	28.9	9.5	27	36	8.7

Figure 25 : **Gallbladder** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

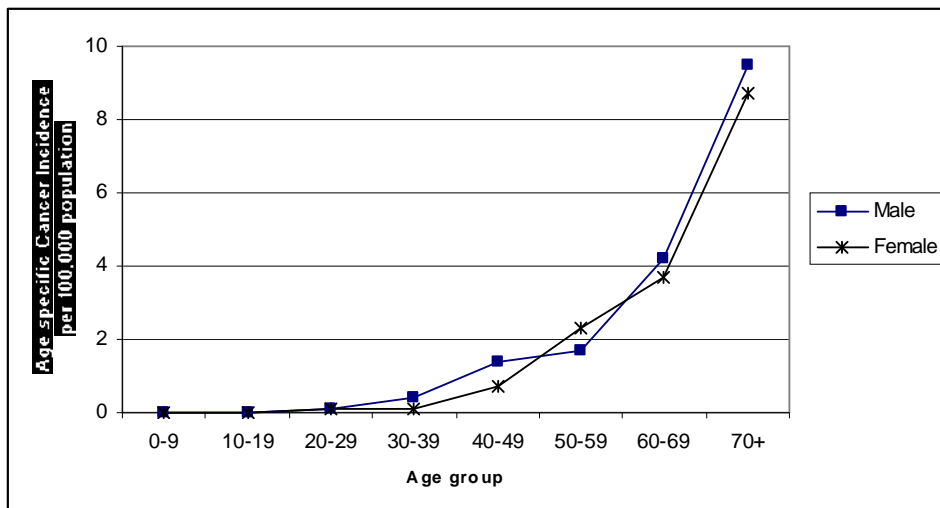


Table 48 : **Gallbladder** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	46	63.9	0.7	1.1	31	52.5	0.5	0.7
Chinese	26	36.1	1	1	26	44.1	1	0.9
Indian	0	0	0	0	2	3.4	0.2	0.3

Table 49 : **Gallbladder** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.2	0.3	1.8	2.6	4.3	5.9	0.1
	Chinese	0	0	0	0.5	0.8	0.7	2.7	14.4	0.1
	Indian	0	0	0	0	0	0	0	0	0
Female	Malay	0	0	0	0.3	0.6	3.1	2.1	3.7	0.1
	Chinese	0	0	0.5	0	0.3	1.1	4	11	0.1
	Indian	0	0	0	0	0	0	2.4	4.1	0

6.10 PANCREAS (ICDO: C25)

Table 50: **Pancreas** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	156	61.7	1.6	2
Female	97	38.3	1	1.2
Both	253	100	1.3	1.6

Table 51 : **Pancreas** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	1	1	0.1
20-29	4	2.6	0.2	4	4.1	0.2
30-39	12	7.7	0.9	2	2.1	0.1
40-49	20	12.8	1.7	7	7.2	0.6
50-59	42	26.9	4.9	32	33	3.8
60-69	46	29.5	10.1	31	32	6.7
70+	32	20.5	12.6	20	20.6	6.5

Figure 26 : **Pancreas** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

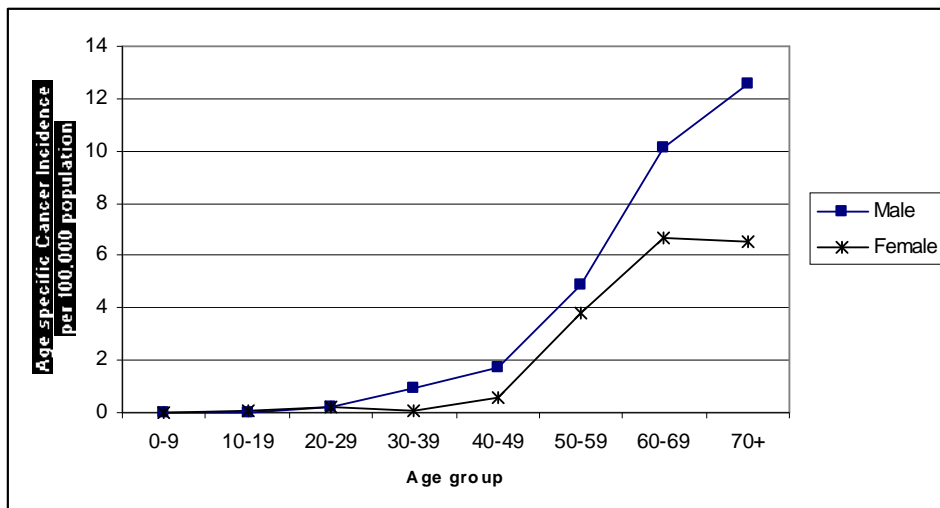


Table 52 : **Pancreas** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	59	42.8	1	1.4	41	47.7	0.7	0.9
Chinese	69	50	2.6	2.5	38	44.2	1.5	1.4
Indian	10	7.2	1.1	1.1	7	8.1	0.8	0.7

Table 53 : **Pancreas** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.2	0.9	1.1	3.7	6.5	8.2	0.2
	Chinese	0	0	0	0.5	2.4	5.9	13.2	16.5	0.3
	Indian	0	0	0.6	1.5	2.5	3.6	2.7	0	0.1
Female	Malay	0	0	0.1	0.3	0.4	3.7	5	3.7	0.1
	Chinese	0	0	0.5	0	0.8	2.8	7.5	10.2	0.2
	Indian	0	0	0.6	0	0	5.8	0	4.1	0.1

6.11 NOSE AND SINUSES (ICDO: C30-C31)

Table 54: **Nose and Sinuses** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	69	61.1	0.7	0.8
Female	44	38.9	0.4	0.5
Both	113	100	0.6	0.7

Table 55 : **Nose and Sinuses** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	1	2.3	0.1
10-19	2	2.9	0.1	1	2.3	0.1
20-29	3	4.3	0.2	4	9.1	0.2
30-39	6	8.7	0.4	7	15.9	0.5
40-49	8	11.6	0.7	6	13.6	0.5
50-59	23	33.3	2.7	7	15.9	0.8
60-69	15	21.7	3.3	14	31.8	3
70+	12	17.4	4.7	4	9.1	1.3

Figure 27 : **Nose and Sinuses** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

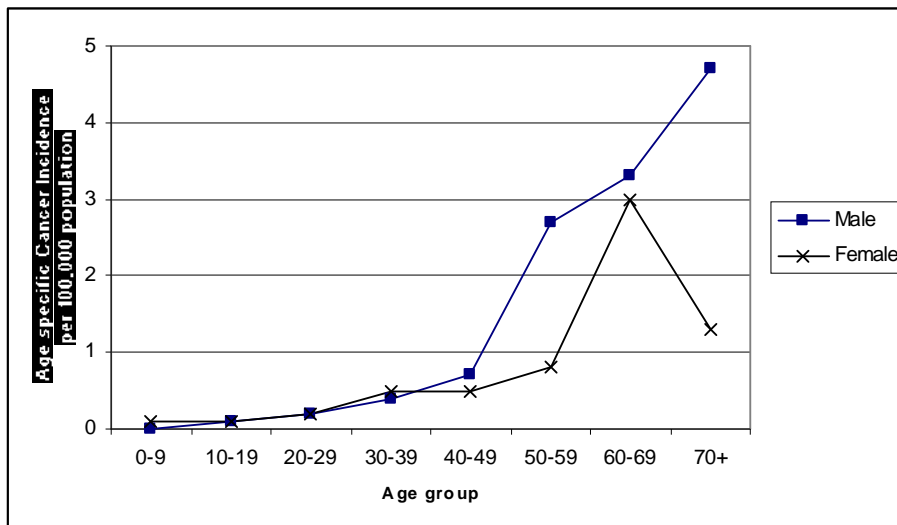


Table 56 : **Nose and Sinuses** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	24	38.7	0.4	0.6	23	59	0.4	0.5
Chinese	34	54.8	1.3	1.2	15	38.5	0.6	0.5
Indian	4	6.5	0.4	0.6	1	2.6	0.1	0.1

Table 57 : **Nose and Sinuses** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0.1	0.1	0.1	0.2	2	3	3	0.1
	Chinese	0	0.2	0.5	0.8	1.3	3.3	3.3	7.2	0.1
	Indian	0	0	0	1.5	0	0	2.7	5.5	0
Female	Malay	0.1	0.1	0.3	0.5	0.6	0.4	2.5	1.2	0.1
	Chinese	0	0	0	0.8	0	1.1	4	1.7	0.1
	Indian	0	0	0	0	0.8	0	0	0	0

6.12 LARYNX (ICDO: C32)

Table 58 : **Larynx** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	183	84.7	1.8	2.5
Female	33	15.3	0.3	0.4
Both	216	100	1.1	1.4

Table 59 : **Larynx** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	1	3	0.1
10-19	0	0	0	0	0	0
20-29	0	0	0	0	0	0
30-39	3	1.6	0.2	2	6.1	0.1
40-49	20	10.9	1.7	3	9.1	0.3
50-59	35	19.1	4.1	10	30.3	1.2
60-69	75	41	16.4	5	15.2	1.1
70+	50	27.3	19.7	12	36.4	3.9

Figure 28 : **Larynx** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

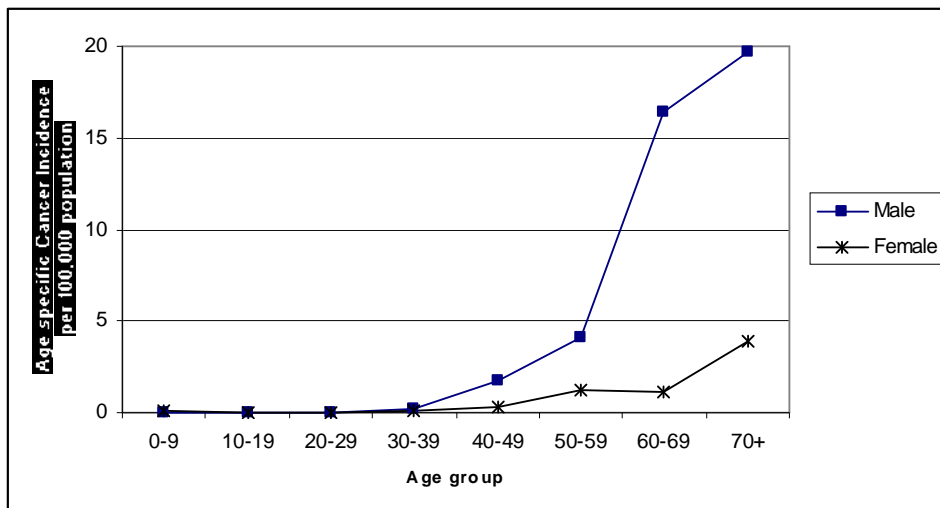


Table 60 : **Larynx** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	63	37.7	1	1.7	16	53.3	0.3	0.4
Chinese	77	46.1	2.9	2.9	6	20	0.2	0.2
Indian	27	16.2	3	4.4	8	26.7	0.9	1.2

Table 61 : **Larynx** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0	0.1	1.7	2.2	11.6	10.4	0.2
	Chinese	0	0	0	0.3	1.8	3.6	18.1	25.7	0.4
	Indian	0	0	0	0.7	0	12	24.1	38.7	0.5
Female	Malay	0.1	0	0	0.1	0.4	0.7	2.1	1.8	0
	Chinese	0	0	0	0.3	0	0.7	0	2.5	0
	Indian	0	0	0	0	0	3.5	0	20.7	0.1

6.13 LUNG (ICDO: C33-C34)

Table 62 : **Lung** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	1445	70.6	14.5	19.6
Female	603	29.4	6.1	7.6
Both	2048	100	10.3	13.3

Table 63 : **Lung** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	4	0.3	0.2	1	0.2	0.1
20-29	11	0.8	0.6	5	0.8	0.3
30-39	41	2.8	3	30	5	2.2
40-49	173	12	14.6	73	12.1	6.1
50-59	328	22.7	38.2	147	24.4	17.5
60-69	481	33.3	105.1	199	33	43
70+	407	28.2	160.3	148	24.5	47.8

Figure 29 : **Lung** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

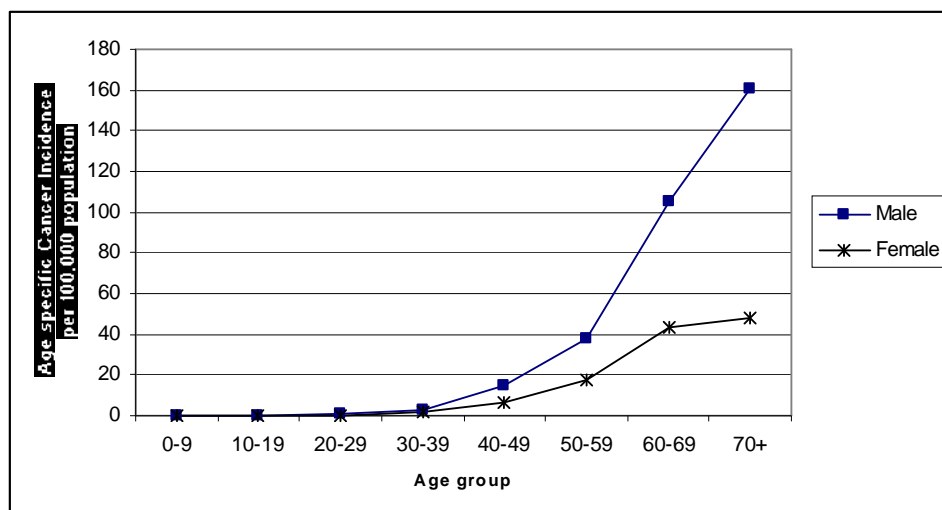


Table 64 : **Lung** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	557	44	9	13.8	182	36.5	3	4.2
Chinese	657	51.9	24.4	24.5	281	56.4	10.9	9.8
Indian	52	4.1	5.7	7.8	35	7	3.8	4.6

Table 65 : **Lung** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0.1	0.6	2.9	11.5	35.7	72.7	87.5	1.7
	Chinese	0	0.2	0.5	2.5	16.6	37.3	131.3	235.6	3.1
	Indian	0	0.6	0	1.5	6.6	20.4	29.4	71.8	0.9
Female	Malay	0	0	0.4	1	3.7	11.2	25.6	19.5	0.5
	Chinese	0	0	0.2	3.3	8.1	22.8	47.2	76.4	1.3
	Indian	0	0	0	0.7	4.8	15	17	33.1	0.6

6.14 BONE (ICDO: C40-C41)

Table 66 : **Bone** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	172	54.8	1.7	2
Female	142	45.2	1.4	1.5
Both	314	100	1.6	1.7

Table 67 : **Bone** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	1	0.6	0	5	3.5	0.3
10-19	33	19.2	1.6	16	11.3	0.8
20-29	20	11.6	1.2	17	12	1
30-39	15	8.7	1.1	26	18.3	1.9
40-49	16	9.3	1.4	26	18.3	2.2
50-59	32	18.6	3.7	23	16.2	2.7
60-69	32	18.6	7	19	13.4	4.1
70+	23	13.4	9.1	10	7	3.2

Figure 30 : **Bone** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

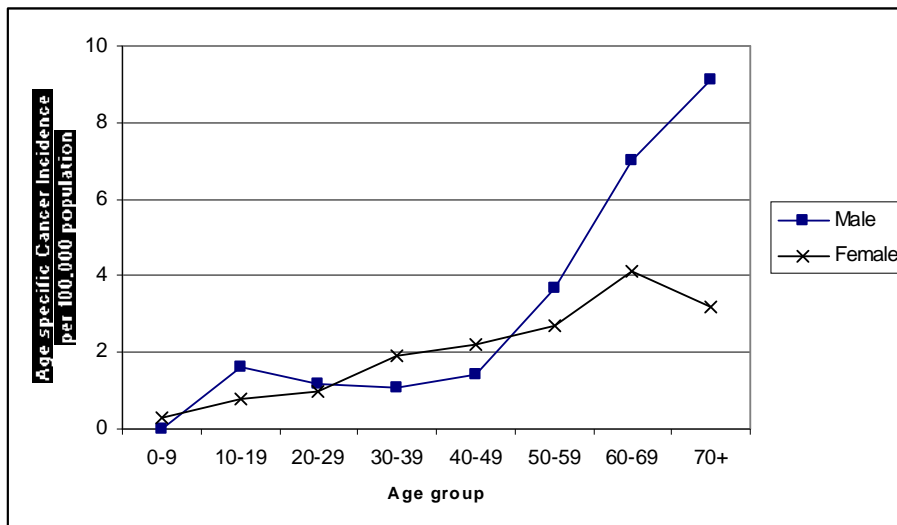


Table 68 : **Bone** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	101	66.9	1.6	1.9	67	54.5	1.1	1.2
Chinese	41	27.2	1.5	1.5	44	35.8	1.7	1.6
Indian	9	6	1	1.3	12	9.8	1.3	1.2

		Age groups, year								
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	CumR
Male	Malay	0.1	1.9	1.2	1.3	1.4	4.3	6.9	3.7	0.2
	Chinese	0	0	0.7	0.8	1.1	2.3	6	13.4	0.2
	Indian	0	1.1	0.6	0	0.8	1.2	5.3	11	0.1
Female	Malay	0.3	0.8	0.8	1.8	2.1	1.5	2.5	1.2	0.1
	Chinese	0	0.7	1	1.3	1.3	3.9	5.2	5.9	0.2
	Indian	0.6	0.6	0.6	2.8	2.4	2.3	0	0	0.1

6.15 OTHER SKIN (ICDO: C44)

Table 70 : **Other Skin** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	261	55.4	2.6	3.5
Female	210	44.6	2.1	2.6
Both	471	100	2.4	3

: **Other**

Table 71 : **Skin** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	3	1.1	0.1	2	1	0.1
10-19	3	1.1	0.1	1	0.5	0.1
20-29	9	3.4	0.5	14	6.7	0.8
30-39	15	5.7	1.1	9	4.3	0.7
40-49	28	10.7	2.4	17	8.1	1.4
50-59	56	21.5	6.5	38	18.1	4.5
60-69	61	23.4	13.3	36	17.1	7.8
70+	86	33	33.9	93	44.3	30

Figure 31 : **Other Skin** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

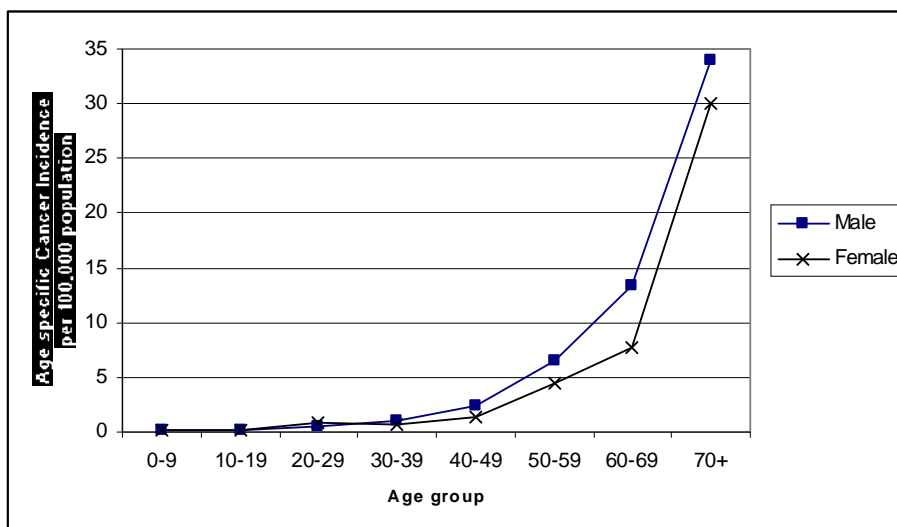


Table 72 : **Other Skin** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	81	36.5	1.3	1.9	59	31.7	1	1.3
Chinese	133	59.9	4.9	5	114	61.3	4.4	3.9
Indian	8	3.6	0.9	1.4	13	7	1.4	1.8

Table 73 : **Other Skin** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	CumR
Male	Malay	0.1	0.2	0.3	0.5	1.7	3.9	10.8	11.1	0.2
	Chinese	0.2	0	0.9	1.3	2.1	10.6	13.2	60.7	0.5
	Indian	0	0	0	0.7	0	1.2	10.7	11	0.2
Female	Malay	0.1	0.1	0.4	0.5	1.3	2.2	4.5	11	0.2
	Chinese	0	0	1.5	0.8	1.1	6.3	9.8	56	0.4
	Indian	0	0	0.6	0	0.8	5.8	12.1	4.1	0.2

6.16 MELANOMA (ICDO : C43)

Table 74 : **Melanoma** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	34	56.7	0.3	0.4
Female	26	43.3	0.3	0.3
Both	60	100	0.3	0.4

Table 75 : **Melanoma** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	1	2.9	0	0	0	0
20-29	3	8.8	0.2	1	3.8	0.1
30-39	3	8.8	0.2	4	15.4	0.3
40-49	6	17.6	0.5	5	19.2	0.4
50-59	5	14.7	0.6	7	26.9	0.8
60-69	9	26.5	2	6	23.1	1.3
70+	7	20.6	2.8	3	11.5	1

Figure 32 : **Melanoma** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

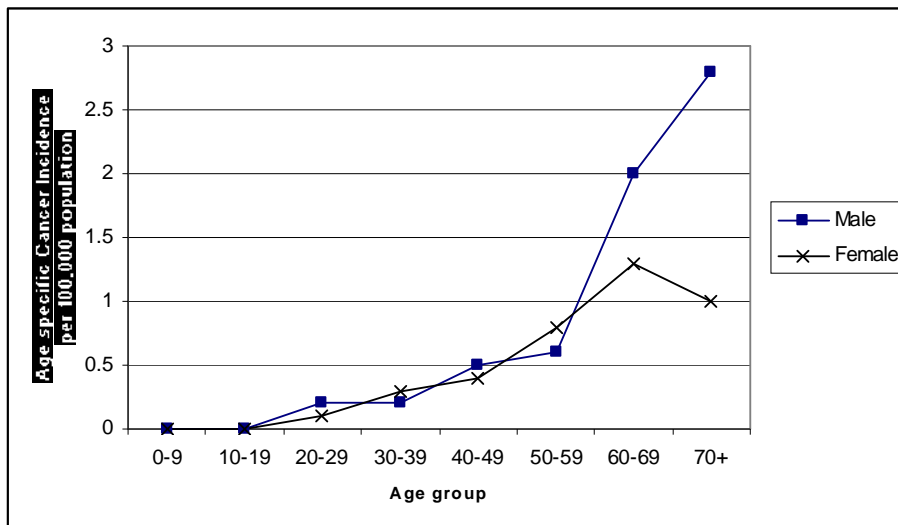


Table 76 : **Melanoma** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	17	54.8	0.3	0.4	9	40.9	0.1	0.2
Chinese	9	29	0.3	0.3	10	45.5	0.4	0.4
Indian	5	16.1	0.6	0.7	3	13.6	0.3	0.4

Table 77 : **Melanoma** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.1	0.3	0.8	0.4	1.7	2.2	0
	Chinese	0	0.2	0.2	0.3	0	0.7	1.1	2.1	0
	Indian	0	0	0.6	0	0.8	1.2	2.7	5.5	0.1
Female	Malay	0	0	0	0.1	0.1	1.1	0.8	0	0
	Chinese	0	0	0.2	0.3	0.5	0.4	1.7	1.7	0.1
	Indian	0	0	0	0	0.8	1.2	0	4.1	0

6.17 FEMALE BREAST (ICDO: C50)

Table 78 : **Female Breast** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Female	3525	100	35.9	39.3

Table 79 : **Female Breast** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Female		
	No.	%	CR
0-9	1	0	0.1
10-19	6	0.2	0.3
20-29	78	2.2	4.6
30-39	386	11	28.2
40-49	1055	29.9	88.1
50-59	1196	33.9	142.7
60-69	538	15.3	116.3
70+	265	7.5	85.5

Figure 33 : **Female Breast** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

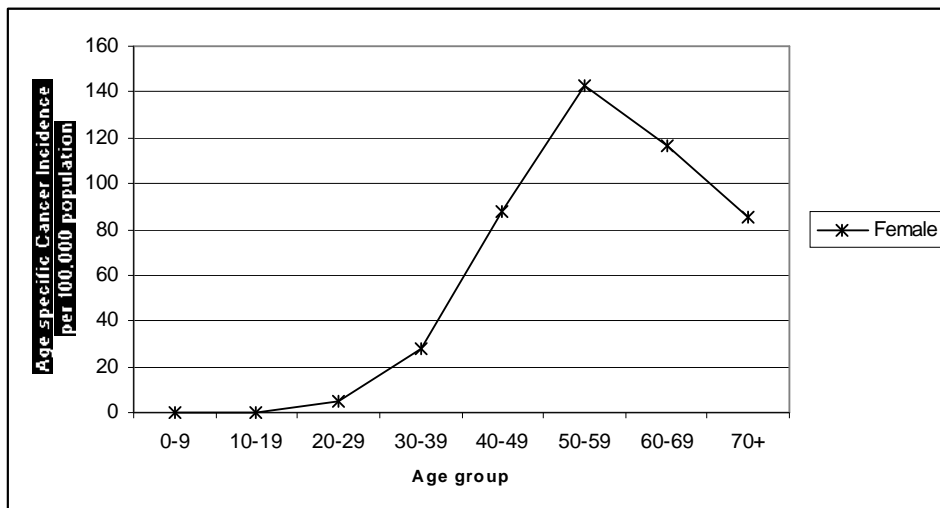


Table 80 : **Female Breast** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Female			
	No.	%	CR	ASR
Malay	1539	47.6	25.3	30.4
Chinese	1375	42.5	53.2	46.4
Indian	320	9.9	34.9	38.1

Table 81 : **Female Breast** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Female	Malay	0	0.2	3.2	27	73.8	114.7	78.9	43.4	3.2
	Chinese	0	0	4.9	26.9	96.6	176.7	143.3	118.8	5
	Indian	0	0	3.2	16.7	82.3	111.1	138.3	140.5	4.3

6.18 CERVIX UTERI (ICDO: C53)

Table 82 : **Cervix Uteri** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Female	1074	100	10.9	12.2

Table 83 : **Cervix Uteri** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Female		
	No.	%	CR
0-9	0	0	0
10-19	1	0.1	0.1
20-29	15	1.4	0.9
30-39	113	10.5	8.2
40-49	300	27.9	25
50-59	320	29.8	38.2
60-69	184	17.1	39.8
70+	141	13.1	45.5

Figure 34 : **Cervix Uteri** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

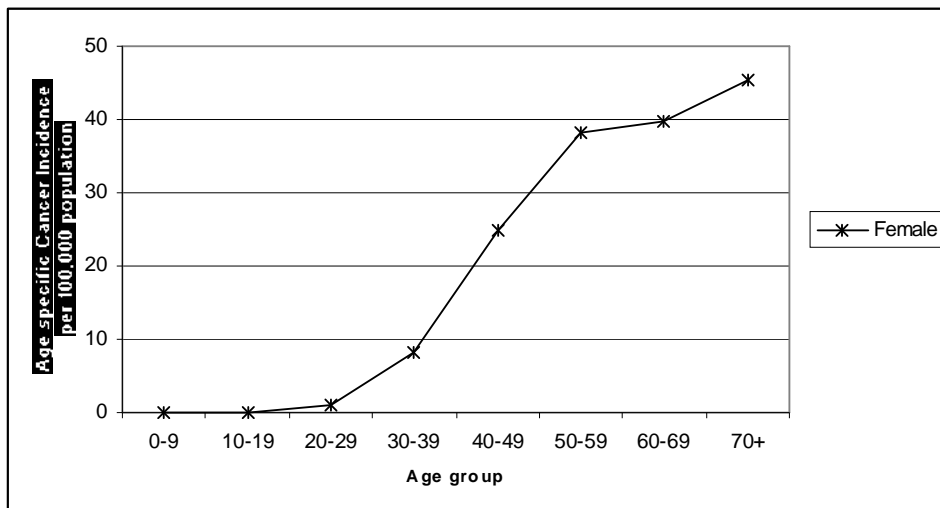


Table 84 : **Cervix Uteri** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Female			
	No.	%	CR	ASR
Malay	354	42	5.8	7.3
Chinese	402	47.7	15.6	13.6
Indian	87	10.3	9.5	11.3

Table 85: **Cervix Uteri** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Female	Malay	0	0	0.6	4.9	15.3	22.8	25.6	23.2	0.8
	Chinese	0	0.2	1.5	7.9	25.9	42.2	43.2	62	1.5
	Indian	0	0	0	2.8	11.9	32.4	55.8	70.2	1.5

6.19 CORPUS UTERI (ICDO: C54)

Table 86 : **Corpus Uteri** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Female	372	100	3.8	4.4

Table 87 : **Corpus Uteri** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Female		
	No.	%	CR
0-9	0	0	0
10-19	0	0	0
20-29	8	2.2	0.5
30-39	42	11.3	3.1
40-49	70	18.8	5.8
50-59	118	31.7	14.1
60-69	95	25.5	20.5
70+	39	10.5	12.6

Figure 35 : **Corpus Uteri** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

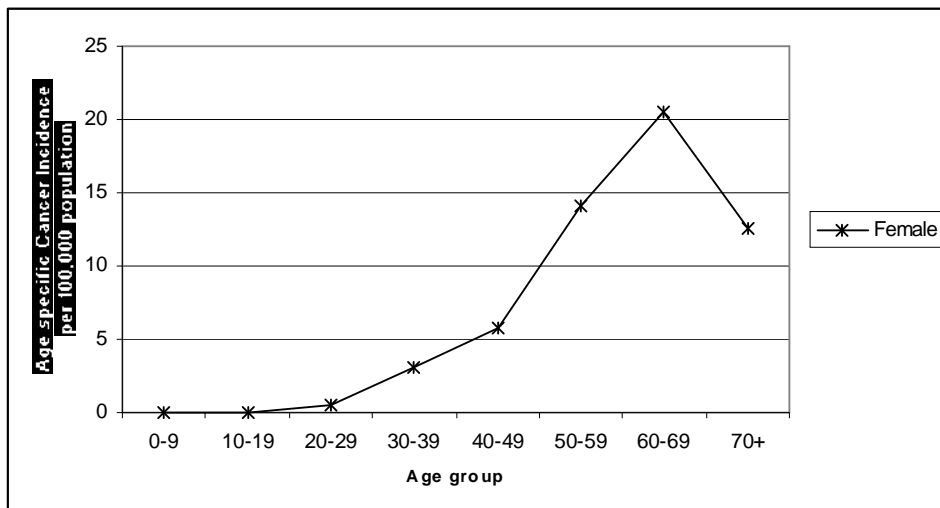


Table 88 : **Corpus Uteri** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Female			
	No.	%	CR	ASR
Malay	133	41.6	2.2	2.8
Chinese	152	47.5	5.9	5.2
Indian	35	10.9	3.8	4.7

Table 89 : **Corpus Uteri** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Female	Malay	0	0	0.3	1.9	4.7	8.8	13.6	6.1	0.3
	Chinese	0	0	0.2	2.3	6.5	20.7	23.6	15.3	0.6
	Indian	0	0	0	4.2	1.6	10.4	26.7	28.9	0.7

6.20 OVARY (ICDO: C56-C57)

Table 90 : **Ovary** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Female	685	100	7	7.6

Table 91 : **Ovary** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Female		
	No.	%	CR
0-9	2	0.3	0.1
10-19	30	4.4	1.5
20-29	61	8.9	3.6
30-39	64	9.3	4.7
40-49	181	26.4	15.1
50-59	198	28.9	23.6
60-69	104	15.2	22.5
70+	45	6.6	14.5

Figure 36 : **Ovary** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

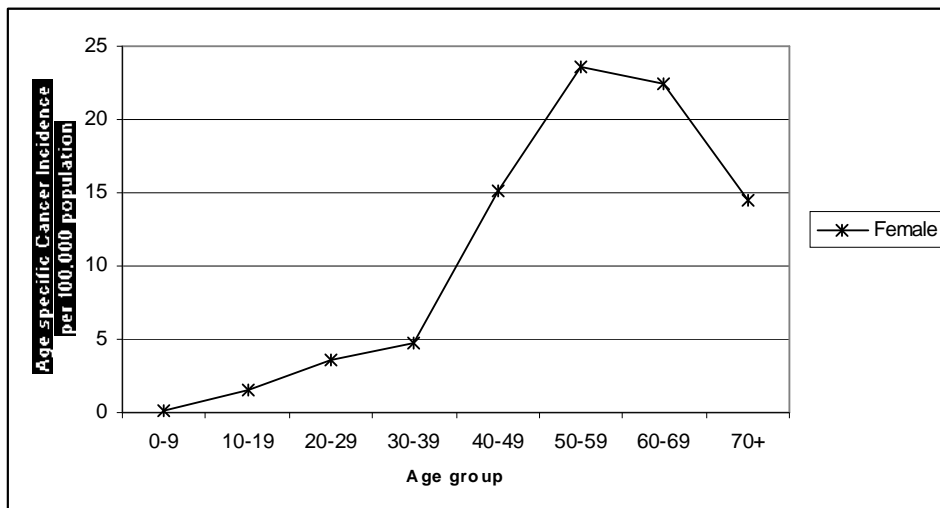


Table 92 : **Ovary** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	No.	Female		
		%	CR	ASR
Malay	346	60.5	5.7	6.8
Chinese	172	30.1	6.7	5.8
Indian	54	9.4	5.9	6.4

Table 93 : **Ovary** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Female	Malay	0.1	1.3	3.1	4	14.1	21.3	22.7	8.6	0.7
	Chinese	0	1.2	2.4	2.3	9.7	22.5	13.2	21.2	0.6
	Indian	0	0.6	1.3	4.2	11.9	16.2	31.6	12.4	0.7

6.21 PROSTATE (ICDO: C61)

Table 94 : **Prostate** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	735	100	7.4	11

Table 95 : **Prostate** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male		
	No.	%	CR
0-9	0	0	0
10-19	0	0	0
20-29	1	0.1	0.1
30-39	1	0.1	0.1
40-49	8	1.1	0.7
50-59	78	10.6	9.1
60-69	245	33.3	53.5
70+	402	54.7	158.3

Figure 37 : **Prostate** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

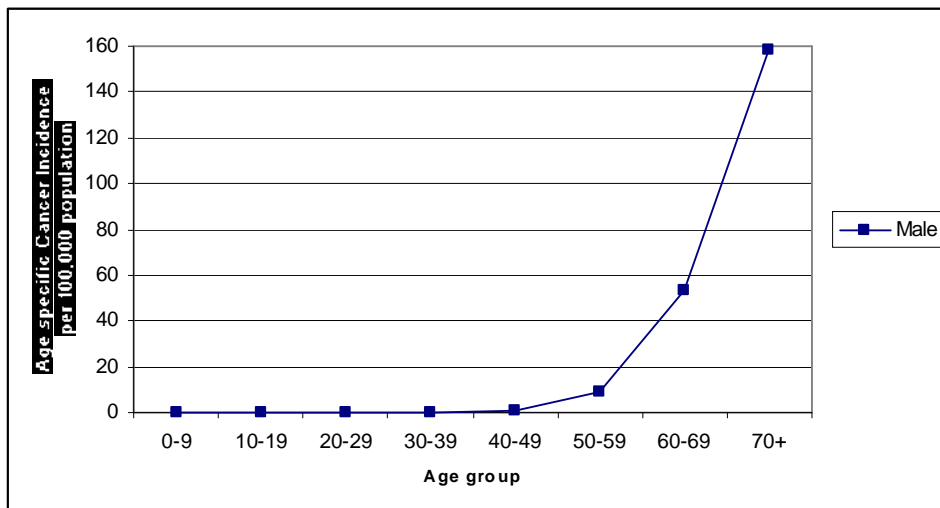


Table 96 : **Prostate** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male			
	No.	%	CR	ASR
Malay	318	46.5	5.2	9.2
Chinese	295	43.1	11	11.5
Indian	71	10.4	7.8	13.7

Table 97 : **Prostate** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.1	0	0.8	6.3	37	146	1.2
	Chinese	0	0	0	0	0.5	10.6	64.8	147.1	1.4
	Indian	0	0	0	0	0.8	14.4	56.1	204.4	1.6

6.22 BLADDER (ICDO: C67)

Table 98 : **Bladder** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	471	82.6	4.7	6.6
Female	99	17.4	1	1.3
Both	570	100	2.9	3.8

Table 99 : **Bladder** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	0	0	0	0	0	0
20-29	4	0.8	0.2	2	2	0.1
30-39	11	2.3	0.8	6	6.1	0.4
40-49	34	7.2	2.9	8	8.1	0.7
50-59	101	21.4	11.8	12	12.1	1.4
60-69	164	34.8	35.8	28	28.3	6.1
70+	157	33.3	61.8	43	43.4	13.9

Figure 38 : **Bladder** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

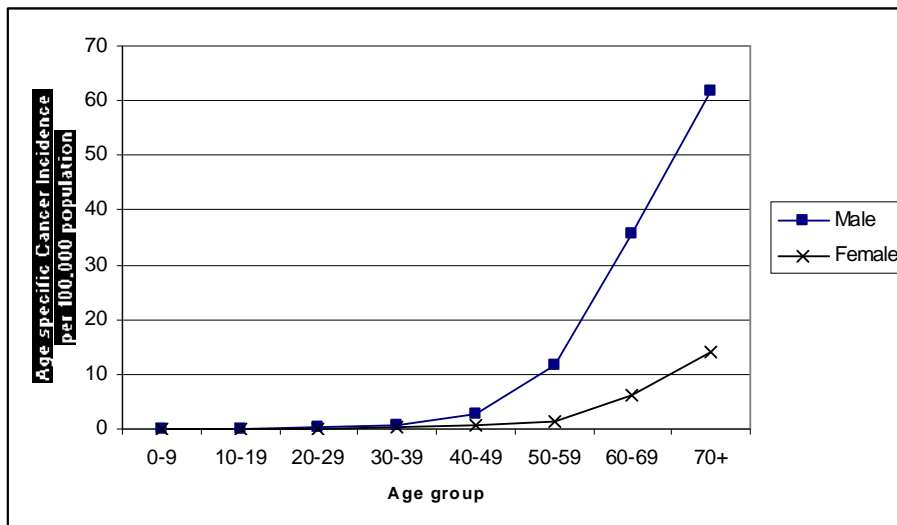


Table 100 : **Bladder** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	242	56.8	3.9	6.4	36	39.6	0.6	0.8
Chinese	151	35.4	5.6	5.6	49	53.8	1.9	1.7
Indian	33	7.7	3.6	5.4	6	6.6	0.7	0.7

Table 101 : **Bladder** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0	0.2	0.8	2.6	11.3	37.9	57.1	0.8
	Chinese	0	0	0.2	1	1.8	11.5	26.9	56.6	0.6
	Indian	0	0	0	0	3.3	10.8	37.4	33.1	0.7
Female	Malay	0	0	0	0.3	0.4	1.5	4.5	7.9	0.1
	Chinese	0	0	0.2	0.5	0.8	1.4	8.1	21.2	0.2
	Indian	0	0	0.6	0.7	0.8	1.2	0	8.3	0.1

6.23 KIDNEY AND OTHER URINARY ORGANS (ICDO: C64, C65, C66, C68)

Table 102 : **Kidney and Other Urinary Organs** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	252	65.8	2.5	3.2
Female	131	34.2	1.3	1.6
Both	383	100	1.9	2.4

Table 103 : **Kidney and Other Urinary Organs** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	6	2.4	0.3	5	3.8	0.3
10-19	2	0.8	0.1	1	0.8	0.1
20-29	8	3.2	0.5	7	5.3	0.4
30-39	19	7.5	1.4	10	7.6	0.7
40-49	41	16.3	3.5	24	18.3	2
50-59	52	20.6	6.1	25	19.1	3
60-69	76	30.2	16.6	31	23.7	6.7
70+	48	19	18.9	28	21.4	9

Figure 39 : **Kidney and Other Urinary Organs** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

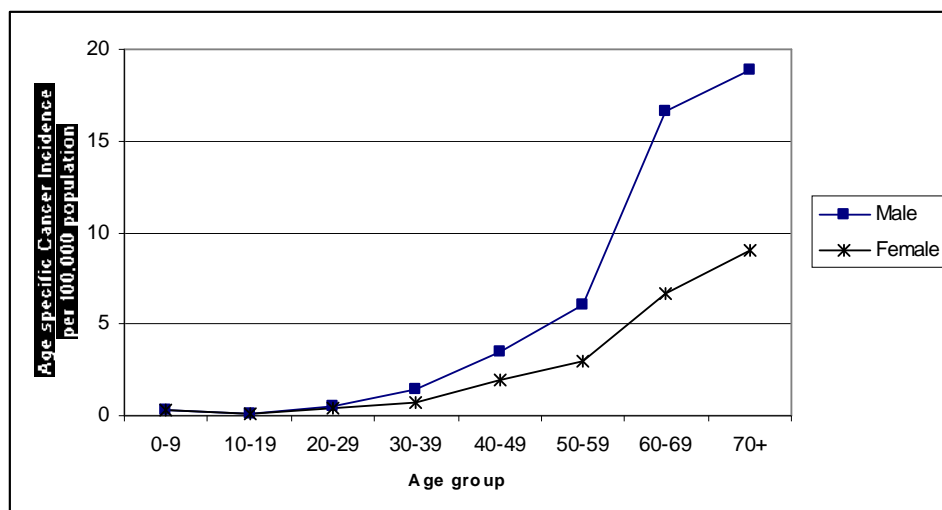


Table 104 : **Kidney and Other Urinary Organs** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	101	42.8	1.6	2.3	43	36.1	0.7	0.9
Chinese	110	46.6	4.1	4	61	51.3	2.4	2.1
Indian	25	10.6	2.8	3.5	15	12.6	1.6	1.8

Table 105 : **Kidney and Other Urinary Organs** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	CumR
Male	Malay	0.1	0.1	0.6	1.3	2.1	5.4	12.5	9.6	0.3
	Chinese	0	0	0	0.3	5.8	7.3	20.9	27.8	0.5
	Indian	1.1	0	0.6	4.4	2.5	4.8	10.7	27.6	0.4
Female	Malay	0.3	0.1	0.4	0.5	1.2	1.8	4.5	1.8	0.1
	Chinese	0.2	0		1.3	2.7	3.9	7.5	17.8	0.2
	Indian	0	0	1.3	0	4	4.6	7.3	4.1	0.2

6.24 BRAIN AND OTHER NERVOUS SYSTEM (ICDO: C70-C72)

Table 106 : **Brain and Other Nervous System** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	361	54.4	3.6	3.9
Female	303	45.6	3.1	3.2
Both	664	100	3.3	3.5

Table 107 : **Brain and Other Nervous System** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	4	1.1	0.2	6	2	0.3
10-19	42	11.6	2	32	10.6	1.6
20-29	49	13.6	2.9	35	11.6	2.1
30-39	66	18.3	4.9	56	18.5	4.1
40-49	65	18	5.5	58	19.1	4.8
50-59	71	19.7	8.3	62	20.5	7.4
60-69	43	11.9	9.4	40	13.2	8.6
70+	21	5.8	8.3	14	4.6	4.5

Figure 40 : **Brain and Other Nervous System** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

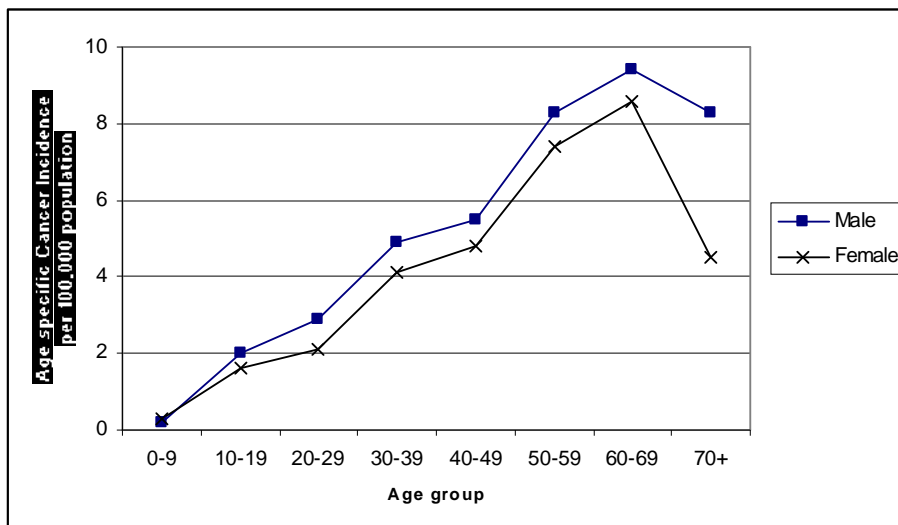


Table 108 : **Brain and Other Nervous System** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	197	62.1	3.2	3.6	163	60.6	2.7	2.9
Chinese	97	30.6	3.6	3.3	86	32	3.3	3
Indian	23	7.3	2.5	2.8	20	7.4	2.2	2.2

Table 109 : **Brain and Other Nervous System** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	CumR
Male	Malay	0.2	2.3	2.8	5.6	4.5	7.2	8.6	4.4	0.3
	Chinese	0	1.1	2.3	2.8	4.5	8.9	8.2	12.3	0.3
	Indian	0	1.1	1.3	2.9	2.5	8.4	8	11	0.3
Female	Malay	0.2	1.7	1.8	4	4.7	7	6.6	4.3	0.3
	Chinese	0.5	1.2	1.5	2.8	5.7	6.3	10.4	4.2	0.3
	Indian	0	1.8	2.5	2.1	1.6	5.8	7.3	0	0.2

6.25 THYROID (ICDO: C73)

Table 110 : **Thyroid** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	221	24.8	2.2	2.6
Female	670	75.2	6.8	7.2
Both	891	100	4.5	4.9

Table 111 : **Thyroid** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	0	0	0	0	0	0
10-19	8	3.6	0.4	18	2.7	0.9
20-29	20	9	1.2	87	13	5.1
30-39	25	11.3	1.9	126	18.8	9.2
40-49	45	20.4	3.8	161	24	13.4
50-59	48	21.7	5.6	138	20.6	16.5
60-69	50	22.6	10.9	85	12.7	18.4
70+	25	11.3	9.8	55	8.2	17.8

Figure 41 : **Thyroid** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

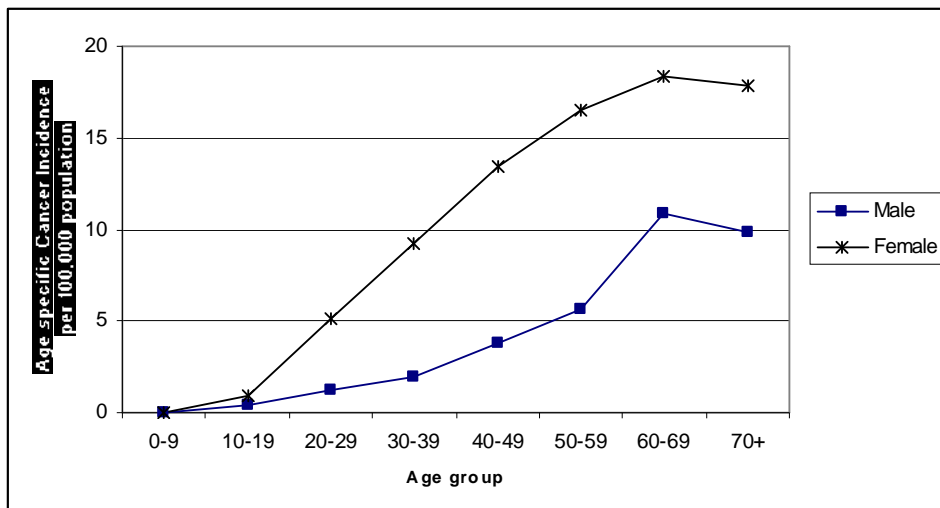


Table 112 : **Thyroid** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	112	57.4	1.8	2.4	364	65.9	6	6.9
Chinese	69	35.4	2.6	2.4	142	25.7	5.5	4.9
Indian	14	7.2	1.5	1.9	46	8.3	5	4.8

Table 113 : **Thyroid** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0	0.4	1	2.3	3.3	5.4	8.2	8.9	0.3
	Chinese	0	0.4	1.4	1.3	3.4	5.3	11	7.2	0.3
	Indian	0	0	0.6	1.5	1.6	4.8	8	11	0.3
Female	Malay	0	0.9	5.1	8.6	12.2	17.8	17.8	12.8	0.7
	Chinese	0	0.5	2.9	6.1	7.3	9.8	15	19.5	0.5
	Indian	0	0.6	4.4	7.7	12.7	5.8	7.3	12.4	0.5

6.26 LYMPHOMA (ICDO: C77)

Table 114 : **Lymphoma** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	416	59.9	4.2	4.9
Female	279	40.1	2.8	3.2
Both	695	100	3.5	4.1

Table 115 : **Lymphoma** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	3	0.7	0.1	0	0	0
10-19	37	8.9	1.8	15	5.4	0.8
20-29	35	8.4	2	35	12.5	2.1
30-39	34	8.2	2.5	26	9.3	1.9
40-49	62	14.9	5.2	39	14	3.3
50-59	96	23.1	11.2	66	23.7	7.9
60-69	88	21.2	19.2	62	22.2	13.4
70+	61	14.7	24	36	12.9	11.6

Figure 42 : **Lymphoma** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

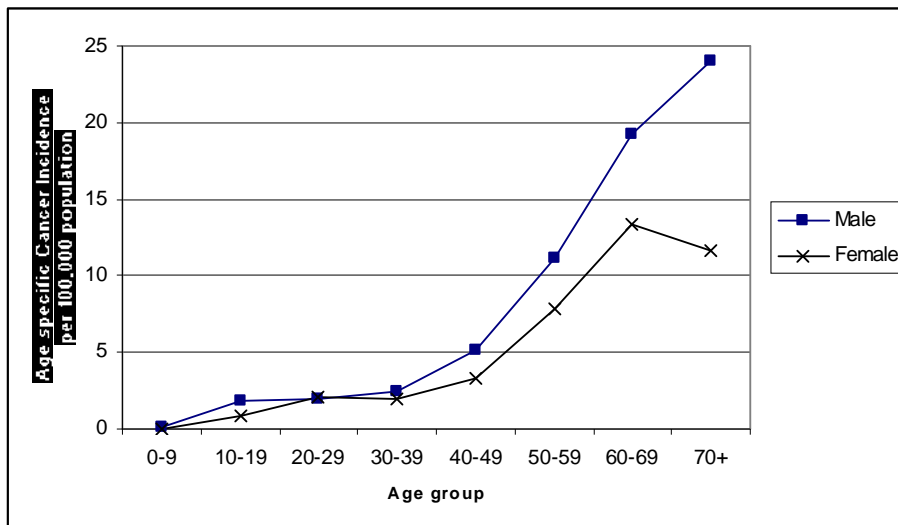


Table 116 : **Lymphoma** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	200	55.2	3.2	4.3	130	52.6	2.1	2.6
Chinese	138	38.1	5.1	4.9	105	42.5	4.1	3.6
Indian	24	6.6	2.6	3.2	12	4.9	1.3	1.4

Table 117 : **Lymphoma** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	0.2	1.4	2.1	1.7	4.4	9.6	19.8	17	0.5
	Chinese	0	1.8	1.4	3.5	5.5	10.2	17.6	26.7	0.5
	Indian	0	0.6	0.6	3.6	4.1	6	8	22.1	0.4
Female	Malay	0	0.9	2.5	1.3	2.4	5.5	11.2	7.9	0.3
	Chinese	0	0.5	1	2	4.6	10.9	14.4	15.3	0.4
	Indian	0	0	0.6	0.7	1.6	6.9	2.4	4.1	0.2

6.27 LEUKAEMIA (ICDO: C42)

Table 118 : **Leukaemia** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by sex, Peninsular Malaysia 2006

Sex	No.	%	CR	ASR
Male	363	62.3	3.6	4
Female	220	37.7	2.2	2.4
Both	583	100	2.9	3.2

Table 119 : **Leukaemia** Age specific Cancer Incidence per 100,000 population (CR) by sex, Peninsular Malaysia 2006

Age, year	Male			Female		
	No.	%	CR	No.	%	CR
0-9	40	11	1.9	21	9.5	1.1
10-19	68	18.7	3.3	34	15.5	1.7
20-29	45	12.4	2.6	25	11.4	1.5
30-39	36	9.9	2.7	22	10	1.6
40-49	42	11.6	3.6	36	16.4	3
50-59	45	12.4	5.2	31	14.1	3.7
60-69	52	14.3	11.4	34	15.5	7.3
70+	35	9.6	13.8	17	7.7	5.5

Figure 43 : **Leukaemia** Age specific Cancer Incidence per 100,000 population by sex, Peninsular Malaysia 2006

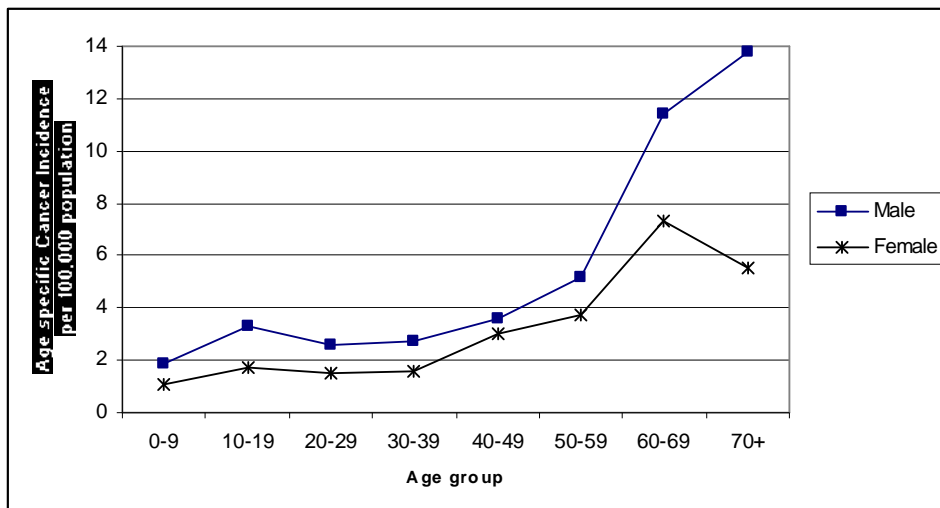


Table 120 : **Leukaemia** Cancer Incidence per 100,000 population (CR) and Age-standardized incidence (ASR), by ethnicity and sex, Peninsular Malaysia 2006

Ethnic group	Male				Female			
	No.	%	CR	ASR	No.	%	CR	ASR
Malay	220	67.9	3.6	4	111	55.5	1.8	2
Chinese	86	26.5	3.2	3.3	72	36	2.8	2.6
Indian	18	5.6	2	2.2	17	8.5	1.9	1.9

Table 121 : **Leukaemia** Age specific Cancer Incidence per 100,000 population, by ethnicity and sex, Peninsular Malaysia 2006

		Age groups, year								CumR
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+	
Male	Malay	2	3.7	3	2.5	3.8	5.7	10.8	8.9	0.4
	Chinese	1.1	2.6	2.1	1.5	2.1	3.6	9.3	18.5	0.3
	Indian	0	0	1.9	2.2	4.1	2.4	10.7	5.5	0.3
Female	Malay	1.1	1.7	1.2	1.9	2.7	2	7.4	0.6	0.2
	Chinese	0.7	1.4	1.7	1	2.7	6.3	5.8	11.9	0.2
	Indian	0.6	3	0.6	0.7	3.2	3.5	0	8.3	0.1

APPENDICES

Appendix 1: New cases of cancer and percentage of total number of cases, by site, age and sex, Peninsular Malaysia 2006

Site			Age groups, year															Total	Tot-%		
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-			75+	
C00	Lip	Male	.	.	.	.	.	.	.	.	3	.	.	.	2	1	2	8	0	
	Lip	Female	.	.	.	.	.	2	1	.	1	1	3	2	4	.	2	4	20	0.1
C01-C02	Tongue	Male	1	1	.	.	.	1	3	4	8	11	11	18	18	16	13	19	124	0.6	
	Tongue	Female	.	.	1	.	2	.	4	6	8	4	6	10	13	14	12	6	86	0.4	
C03-C06	Mouth	Male	.	.	.	.	.	.	1	3	1	7	6	7	10	5	13	10	63	0.3
	Mouth	Female	.	.	.	2	4	.	1	.	3	2	12	22	15	23	21	22	127	0.6	
C07-C08	Salivary Glands	Male	.	.	1	5	1	3	4	3	7	8	2	6	9	7	4	5	65	0.3	
	Salivary Glands	Female	.	.	2	4	3	2	12	6	9	6	11	7	6	1	2	6	77	0.4	
C09	Tonsil	Male	.	.	.	1	.	1	1	3	1	2	5	5	3	4	6	1	33	0.2	
	Tonsil	Female	.	.	.	.	.	.	1	2	.	6	2	.	6	.	2	.	19	0.1
C10	Oropharynx	Male	.	.	.	.	1	.	.	.	.	1	1	2	1	4	1	4	15	0.1
	Oropharynx	Female	.	.	.	.	.	.	1	.	.	.	.	.	.	.	2	.	3	0
C11	Nasopharynx	Male	.	.	2	12	13	15	29	66	90	104	116	108	72	50	41	28	746	3.4	
	Nasopharynx	Female	.	.	.	3	1	9	9	37	20	35	41	27	23	12	12	6	235	1.1	
C12	Pyriiform Sinus	Male	.	.	.	.	.	.	1	.	.	2	1	2	1	1	1	3	12	0.1
C13	Hypopharynx	Male	.	.	.	.	.	.	.	1	.	1	4	1	4	3	1	3	18	0.1
	Hypopharynx	Female	.	.	.	.	.	.	.	.	2	2	3	1	2	1	1	1	13	0.1
C14	Other and Ill-Defined Sites	Male	.	.	.	.	.	.	1	1	.	1	1	1	1	3	2	1	12	0.1
	in Lip, Oral Cavity and Pharynx																				
	Other and Ill-Defined Sites	Female	.	.	1	1	1	3	.	.	3	.	1	10	0

Site	Age groups, year																	Total	Tot-%	
	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+				
	in Lip, Oral Cavity and Pharynx																			
C15	Esophagus	Male	.	.	.	.	1	.	3	8	10	15	22	29	35	36	32	191	0.9	
	Esophagus	Female	.	.	.	.	1	1	1	4	8	12	10	15	16	22	21	111	0.5	
C16	Stomach	Male	.	.	.	.	2	8	10	14	16	37	39	38	40	99	69	77	449	2.1
	Stomach	Female	.	.	.	.	1	5	6	17	18	20	26	32	23	51	50	75	324	1.5
C17	Small Intestine	Male	.	.	.	.	1	.	2	1	2	5	4	3	7	5	1	3	34	0.2
	Small Intestine	Female	.	.	.	.	.	.	2	1	.	.	4	6	3	3	1	1	21	0.1
C18-C21	Colorectal	Male	.	.	1	1	5	21	42	36	66	113	176	223	207	264	246	218	1,619	7.4
	Colorectal	Female	.	.	1	3	10	22	35	30	57	92	131	151	150	185	151	229	1,247	5.7
C22	Liver	Male	1	.	3	2	6	3	9	18	37	58	75	89	78	81	58	50	568	2.6
	Liver	Female	.	1	.	2	4	3	12	9	9	27	17	21	26	27	29	38	225	1
C23-C24	Gallbladder	Male	.	.	.	.	2	4	2	5	12	7	8	11	8	14	10	83	0.4	
	Gallbladder	Female	.	.	.	.	2	1	1	1	7	11	8	4	13	13	14	75	0.3	
C25	Pancreas	Male	.	.	.	.	4	3	9	6	14	23	19	23	23	16	16	156	0.7	
	Pancreas	Female	.	.	1	.	1	3	1	1	4	3	16	16	12	19	9	11	97	0.4
C26	Other and Ill-Defined	Male	.	.	1	.	.	.	.	2	3	1	.	2	.	3	2	14	0.1	
	Digestive Organs																			
	Other and Ill-Defined	Female	.	.	.	1	.	.	1	1	.	1	2	2	.	.	2	3	13	0.1
	Digestive Organs																			
C30-C31	Nose, Sinuses	Male	.	.	.	2	2	1	4	2	6	2	10	13	4	11	4	8	69	0.3
	Nose, Sinuses	Female	1	.	.	1	2	2	4	3	3	3	4	3	5	9	1	3	44	0.2
C32	Larynx	Male	.	.	.	.	.	1	2	6	14	16	19	32	43	25	25	183	0.8	
	Larynx	Female	1	.	.	.	.	1	1	.	3	6	4	1	4	4	8	33	0.2	

Site			Age groups, year															Total	Tot-%	
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-			75+
C33-C34	Lung	Male	.	.	.	4	5	6	9	32	69	104	150	178	215	266	204	203	1,445	6.6
	Lung	Female	.	.	1	.	2	3	10	20	24	49	66	81	85	114	81	67	603	2.8
C37	Thymus	Male	.	.	.	1	.	2	.	.	2	4	.	2	.	1	.	.	12	0.1
	Thymus	Female	.	.	.	.	.	1	.	.	.	1	2	.	1	.	.	.	5	0
C38	Heart, Mediastinum and Pleura	Male	.	.	1	3	2	2	.	2	.	3	3	9	5	10	4	5	49	0.2
	Heart, Mediastinum and Pleura	Female	.	.	.	1	1	2	1	2	3	4	7	6	4	4	4	4	43	0.2
C39	Other and Ill-Defined Sites within Respiratory System and Intrathoracic Organs	Male	3	.	.	.	.	.	1	.	.	.	.	1	.	.	.	1	6	0
	Other and Ill-Defined Sites within Respiratory System and Intrathoracic Organs	Female	.	.	.	.	.	3	2	.	.	.	.	.	.	1	1	1	8	0
C40-C41	Bones	Male	1	.	12	21	8	12	3	12	5	11	15	17	20	12	14	9	172	0.8
	Bones	Female	4	1	5	11	9	8	15	11	16	10	12	11	9	10	8	2	142	0.7
C42	Leukaemia	Male	31	9	26	42	28	17	17	19	17	25	12	33	26	26	14	21	363	1.7
	Leukaemia	Female	16	5	12	22	15	10	12	10	16	20	22	9	17	17	5	12	220	1
C44	SKIN including MELANOMA	Male	3	.	.	4	1	11	6	12	14	20	29	32	35	35	37	56	295	1.4
	SKIN including MELANOMA	Female	1	1	.	1	10	5	9	4	9	13	22	23	18	24	41	55	236	1.1
	OTHER SKIN	Male	3	.	.	3	.	9	6	9	11	17	27	29	31	30	33	53	261	1.2
	OTHER SKIN	Female	1	1	.	1	9	5	6	3	6	11	17	21	16	20	39	54	210	1

Site		Sex	Age groups, year															Total	Tot-%	
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-			75+
C47	MELANOMA	Male	.	.	.	1	1	2	.	3	3	3	2	3	4	5	4	3	34	0.2
	MELANOMA	Female	.	.	.	.	1	.	3	1	3	2	5	2	2	4	2	1	26	0.1
	Peripheral Nerves and Autonomic Nervous System	Male	.	.	1	.	.	3	.	1	2	1	.	1	4	1	1	.	15	0.1
	Peripheral Nerves and Autonomic Nervous System	Female	.	.	.	1	.	1	.	3	.	1	3	.	3	.	2	1	15	0.1
C48	Retroperitoneum and Peritoneum	Male	.	.	.	.	.	.	2	1	1	1	5	3	1	2	4	8	28	0.1
	Retroperitoneum and Peritoneum	Female	.	1	.	.	1	.	1	1	7	2	10	9	4	3	2	5	46	0.2
C49	Connective, Subcutaneous and Other Soft Tissues	Male	6	1	4	5	9	9	10	15	5	9	8	4	10	16	7	12	130	0.6
	Connective, Subcutaneous and Other Soft Tissues	Female	1	.	2	5	7	6	6	5	16	7	11	16	5	2	11	6	106	0.5
C50	Breast	Male	.	.	.	.	1	1	2	1	7	10	7	10	8	8	6	5	66	0.3
	Breast	Female	1	.	.	6	29	49	125	261	476	579	661	535	321	217	142	123	3,525	16.2
C51	Vulva	Female	.	.	.	.	1	.	.	3	.	.	3	4	5	3	5	3	27	0.1
C52	Vagina	Female	.	.	.	.	.	.	.	1	3	4	5	8	2	7	7	9	46	0.2
C53	Cervix Uteri	Female	.	.	.	1	5	10	40	73	138	162	176	144	86	98	74	67	1,074	4.9
C54	Corpus Uteri	Female	.	.	.	.	2	6	20	22	30	40	64	54	49	46	27	12	372	1.7

Site			Age groups, year															Total	Tot-%	
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-			75+
C55	Uterus, NOS	Female	.	.	.	1	3	3	2	9	13	25	36	13	10	4	3	3	125	0.6
C56-C57	Ovary	Female	1	1	7	23	35	26	32	32	74	107	108	90	58	46	20	25	685	3.1
C58	Placenta	Female	.	.	.	.	1	1	2	2	2	1	.	.	.	.	.	.	9	0
C60	Penis	Male	.	.	.	1	.	.	6	.	3	1	4	3	1	4	1	3	27	0.1
C61	Prostate Gland	Male	.	.	.	.	.	1	.	1	7	24	54	103	142	185	217	735	3.4	
C62	Testis	Male	1	.	4	11	16	17	11	6	4	10	6	3	3	3	4	5	104	0.5
C63	Other and Unspecified Male Genital Organs	Male	.	.	.	.	.	.	1	1	.	1	.	.	1	1	.	1	6	0
C64, C65, C66, C68	Kidney, Other Urinary Organs	Male	6	.	1	1	3	5	9	10	17	24	26	26	35	41	23	25	252	1.2
	Kidney, Other Urinary Organs	Female	5	.	.	1	2	5	2	8	11	13	13	12	16	15	14	14	131	0.6
C67	Bladder	Male	.	.	.	.	3	1	6	5	9	25	40	61	74	90	64	93	471	2.2
	Bladder	Female	.	.	.	.	1	1	2	4	5	3	5	7	13	15	17	26	99	0.5
C69	Eye and Adnexa	Male	8	.	1	2	3	11	12	7	7	5	.	3	1	1	.	2	63	0.3
	Eye and Adnexa	Female	2	.	.	2	1	9	9	11	6	.	2	1	2	.	.	.	45	0.2
C70-C72	Brain, Other Nervous System	Male	2	2	9	33	24	25	30	36	26	39	40	31	26	17	10	11	361	1.7
	Brain, Other Nervous System	Female	4	2	9	23	19	16	19	37	35	23	37	25	22	18	9	5	303	1.4
C73	Thyroid Gland	Male	.	.	3	5	7	13	11	14	25	20	22	26	24	26	11	14	221	1
	Thyroid Gland	Female	.	.	1	17	44	43	50	76	90	71	83	55	47	38	33	22	670	3.1
C74	Adrenal Gland	Male	2	1	.	.	1	4	9	3	7	1	1	1	.	.	.	.	31	0.1
	Adrenal Gland	Female	2	1	.	.	1	2	5	1	1	2	1	.	2	2	.	3	23	0.1

Site			Age groups, year																Total	Tot-%
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+		
C75	Other Endocrine Glands and Related Structures	Male	1	.	3	3	2	.	2	3	9	5	4	3	3	5	2	1	46	0.2
	Other Endocrine Glands and Related Structures	Female	.	.	.	1	4	2	2	3	9	2	4	8	2	1	.	.	38	0.2
C76	Other and Ill-Defined Sites	Male	2	.	3	7	3	11	10	13	11	14	19	26	16	21	19	23	198	0.9
	Other and Ill-Defined Sites	Female	.	.	2	7	3	1	4	11	17	12	19	12	10	16	14	16	144	0.7
C77	Lymphoma	Male	1	2	9	28	16	19	14	20	25	37	48	48	47	41	32	29	416	1.9
	Lymphoma	Female	.	.	6	9	17	18	10	16	14	25	30	36	32	30	18	18	279	1.3

Appendix 2: Age specific Cancer Incidence per 100,000 population, Age standardized incidence and Cumulative risk, by site, age and sex, Peninsular Malaysia 2006

Site	Age groups, year																		CR	ASR	CumR
	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+					
C00	Lip	Male								0.5					1.1	0.8	1.6	0.1	0.1	0	
	Lip	Female					0.3	0.1		0.2	0.2	0.6	0.6	1.5		1.4	2.4	0.2	0.2	0	
C01-C02	Tongue	Male	0.1	0.1			0.1	0.4	0.6	1.3	1.9	2.2	4.9	6.7	8.4	10.4	14.8	1.2	1.6	0.2	
	Tongue	Female			0.1		0.2		0.6	0.9	1.3	0.7	1.2	2.8	5	6.9	8.2	0.9	1.1	0.1	
C03-C06	Mouth	Male						0.1	0.5	0.2	1.2	1.2	1.9	3.7	2.6	10.4	7.8	0.6	0.8	0.1	
	Mouth	Female				0.2	0.4		0.1		0.5	0.4	2.5	6.2	5.8	11.3	14.4	1.3	1.6	0.2	
C07-C08	Salivary Glands	Male			0.1	0.5	0.1	0.4	0.6	0.5	1.1	1.4	0.4	1.6	3.4	3.7	3.2	0.7	0.8	0.1	
	Salivary Glands	Female			0.2	0.4	0.3	0.3	1.7	0.9	1.4	1.1	2.3	2	2.3	0.5	1.4	0.8	0.8	0.1	
C09	Tonsil	Male				0.1		0.1	0.1	0.5	0.2	0.4	1	1.4	1.1	2.1	4.8	0.8	0.3	0.4	
	Tonsil	Female						0.1	0.3			1.1	0.4		2.3		1.4	0.2	0.2	0	
C10	Oropharynx	Male				0.1						0.2	0.2	0.5	0.4	2.1	0.8	3.1	0.2	0.2	
	Oropharynx	Female						0.1								1.4		0	0	0	
C11	Nasopharynx	Male			0.2	1.2	1.4	1.9	4.2	10	14.6	18.4	23.6	29.4	26.9	26.4	32.8	21.7	7.5	8.5	
	Nasopharynx	Female				0.3	0.1	1.2	1.3	5.5	3.2	6.2	8.5	7.6	8.9	5.9	8.2	3.7	2.4	2.6	
C12	Pyiform Sinus	Male						0.1				0.4	0.2	0.5	0.4	0.5	0.8	2.3	0.1	0.2	
C13	Hypopharynx	Male							0.2			0.2	0.8	0.3	1.5	1.6	0.8	2.3	0.2	0.2	
	Hypopharynx	Female								0.3		0.4	0.6	0.3	0.8	0.5	0.7	0.6	0.1	0.2	
C14	Other and III-Defined	Male						0.1	0.2			0.2	0.2	0.3	0.4	1.6	1.6	0.8	0.1	0.2	
	Sites in Lip, Oral Cavity and Pharynx	Female			0.1					0.2	0.2	0.6			1.5		0.6	0.1	0.1	0	
	Other and III-Defined	Female			0.1					0.2	0.2	0.6			1.5		0.6	0.1	0.1	0	

Site			Age groups, year														CR	ASR	CumR		
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-				70-	75+
Cavity and Pharynx																					
C15	Esophagus	Male					0.1		0.5	1.3	1.8	3	6	10.8	18.5	28.8	24.8	1.9	2.7	0.4	
	Esophagus	Female					0.1	0.1	0.1	0.6	1.4	2.5	2.8	5.8	7.9	15	12.8	1.1	1.4	0.2	
C16	Stomach	Male					0.2	1	1.5	2.1	2.6	6.5	7.9	10.4	14.9	52.2	55.2	59.8	4.5	6.1	0.8
	Stomach	Female					0.1	0.6	0.9	2.5	2.9	3.5	5.4	9	8.9	25.1	34.2	45.9	3.3	4	0.5
C17	Small Intestine	Male					0.1		0.3	0.2	0.3	0.9	0.8	0.8	2.6	2.6	0.8	2.3	0.3	0.4	0
	Small Intestine	Female							0.3	0.1			0.8	1.7	1.2	1.5	0.7	0.6	0.2	0.3	0
C18-C21	Colorectal	Male			0.1	0.1	0.5	2.7	6.1	5.4	10.7	20	35.8	60.8	77.3	139.2	196.6	169.3	16.2	21.6	2.7
	Colorectal	Female			0.1	0.3	1.1	2.8	5	4.4	9	16.2	27.1	42.6	57.9	90.9	103.2	140.1	12.7	15.4	1.8
C22	Liver	Male	0.1		0.3	0.2	0.6	0.4	1.3	2.7	6	10.2	15.2	24.3	29.1	42.7	46.4	38.8	5.7	7.2	0.9
	Liver	Female		0.1		0.2	0.4	0.4	1.7	1.3	1.4	4.8	3.5	5.9	10	13.3	19.8	23.2	2.3	2.7	0.3
C23-C24	Gallbladder	Male					0.3	0.6	0.3	0.8	2.1	1.4	2.2	4.1	4.2	11.2	7.8	0.8	1.1	0.1	
	Gallbladder	Female					0.3	0.1	0.1	0.2	1.2	2.3	2.3	1.5	6.4	8.9	8.6	0.8	0.9	0.1	
C25	Pancreas	Male					0.5	0.4	1.4	1	2.5	4.7	5.2	8.6	12.1	12.8	12.4	1.6	2	0.2	
	Pancreas	Female			0.1		0.1	0.4	0.1	0.1	0.6	0.5	3.3	4.5	4.6	9.3	6.2	6.7	1	1.2	0.1
C26	Other and Ill-Defined	Male			0.1						0.3	0.5	0.2		0.7		2.4	1.6	0.1	0.2	0
Digestive Organs																					
	Other and Ill-Defined	Female				0.1			0.1	0.1		0.2	0.4	0.6		1.4	1.8	0.1	0.1	0	
Digestive Organs																					
C30-C31	Nose, Sinuses	Male				0.2	0.2	0.1	0.6	0.3	1	0.4	2	3.5	1.5	5.8	3.2	6.2	0.7	0.8	0.1
	Nose, Sinuses	Female	0.1			0.1	0.2	0.3	0.6	0.4	0.5	0.5	0.8	0.8	1.9	4.4	0.7	1.8	0.4	0.5	0.1
C32	Larynx	Male						0.1	0.3	1	2.5	3.3	5.2	11.9	22.7	20	19.4	1.8	2.5	0.3	
	Larynx	Female	0.1					0.1	0.1		0.5	1.2	1.1	0.4	2	2.7	4.9	0.3	0.4	0	
C33-C34	Lung	Male			0.4	0.5	0.8	1.3	4.8	11.2	18.4	30.5	48.5	80.3	140.2	163.1	157.6	14.5	19.6	2.5	

Site			Age groups, year															CR	ASR	CumR	
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-				75+
C37	Lung	Female			0.1		0.2	0.4	1.4	3	3.8	8.7	13.6	22.9	32.8	56	55.4	41	6.1	7.6	1
	Thymus	Male				0.1		0.3		0.3	0.7			0.5		0.5			0.1	0.1	0
	Thymus	Female						0.1			0.2	0.4		0.4					0.1	0.1	0
C38	Heart, Mediastinum and Pleura	Male			0.1	0.3	0.2	0.3		0.3		0.5	0.6	2.5	1.9	5.3	3.2	3.9	0.5	0.6	0.1
	Heart, Mediastinum and Pleura	Female				0.1	0.1	0.3	0.1	0.3	0.5	0.7	1.4	1.7	1.5	2	2.7	2.4	0.4	0.5	0.1
C39	Other and III-Defined Sites within Respiratory System and Intrathoracic Organs	Male	0.3						0.1					0.3				0.8	0.1	0.1	0
	Other and III-Defined Sites within Respiratory System and Intrathoracic Organs	Female						0.4	0.3							0.5	0.7	0.6	0.1	0.1	0
C40-C41	Bones	Male	0.1		1.1	2.1	0.9	1.5	0.4	1.8	0.8	1.9	3	4.6	7.5	6.3	11.2	7	1.7	2	0.2
	Bones	Female	0.4	0.1	0.5	1.1	1	1	2.2	1.6	2.5	1.8	2.5	3.1	3.5	4.9	5.5	1.2	1.4	1.5	0.2
C42	Leukaemia	Male	3.1	0.8	2.5	4.1	3	2.2	2.5	2.9	2.8	4.4	2.4	9	9.7	13.7	11.2	16.3	3.6	4	0.4
	Leukaemia	Female	1.7	0.5	1.2	2.3	1.6	1.3	1.7	1.5	2.5	3.5	4.5	2.5	6.6	8.4	3.4	7.3	2.2	2.4	0.2
C44	SKIN including MELANOMA	Male	0.3			0.4	0.1	1.4	0.9	1.8	2.3	3.5	5.9	8.7	13.1	18.5	29.6	43.5	3	3.9	0.4
	SKIN including	Female	0.1	0.1		0.1	1.1	0.6	1.3	0.6	1.4	2.3	4.5	6.5	6.9	11.8	28	33.6	2.4	2.9	0.3

Site			Age groups, year														CR	ASR	CumR		
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-				70-	75+
	MELANOMA																				
	OTHER SKIN	Male	0.3			0.3		1.1	0.9	1.4	1.8	3	5.5	7.9	11.6	15.8	26.4	41.1	2.6	3.5	0.4
	OTHER SKIN	Female	0.1	0.1		0.1	1.0	0.6	0.9	0.4	1	1.9	3.5	5.9	6.2	9.8	26.7	33	2.1	2.6	0.3
	MELANOMA	Male				0.1	0.1	0.3		0.5	0.5	0.5	0.4	0.8	1.5	2.6	3.2	2.3	0.3	0.4	0.1
	MELANOMA	Female					0.1		0.4	0.1	0.5	0.4	1	0.6	0.8	2	1.4	0.6	0.3	0.3	0
C47	Peripheral Nerves and Autonomic Nervous System	Male			0.1			0.4		0.2	0.3	0.2		0.3	1.5	0.5	0.8		0.2	0.2	0
	Peripheral Nerves and Autonomic Nervous System	Female				0.1		0.1		0.4		0.2	0.6		1.2		1.4	0.6	0.2	0.2	0
C48	Retroperitoneum and Peritoneum	Male						0.3	0.2	0.2	0.2	1	0.8	0.4	1.1	3.2	6.2	0.3	0.4	0	
	Retroperitoneum and Peritoneum	Female		0.1			0.1	0.1	0.1	1.1	0.4	2.1	2.5	1.5	1.5	1.4	3.1	0.5	0.5	0.1	
C49	Connective, Subcutaneous and Other Soft Tissues	Male	0.6	0.1	0.4	0.5	1	1.1	1.5	2.3	0.8	1.6	1.6	1.1	3.7	8.4	5.6	9.3	1.3	1.5	0.2
	Connective, Subcutaneous and Other Soft Tissues	Female	0.1		0.2	0.5	0.8	0.8	0.9	0.7	2.5	1.2	2.3	4.5	1.9	1	7.5	3.7	1.1	1.1	0.1
C50	Breast	Male					0.1	0.1	0.3	0.2	1.1	1.8	1.4	2.7	3	4.2	4.8	3.9	0.7	0.8	0.1
	Breast	Female	0.1			0.6	3.2	6.3	18	38.6	75.4	102.3	136.6	151	123.8	106.6	97.1	75.2	35.9	39.3	4.2
C51	Vulva	Female				0.1				0.4			0.6	1.1	1.9	1.5	3.4	1.8	0.3	0.3	0

Site			Age groups, year														CR	ASR	CumR		
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-				70-	75+
C52	Vagina	Female								0.1	0.5	0.7	1	2.3	0.8	3.4	4.8	5.5	0.5	0.6	0.1
C53	Cervix Uteri	Female				0.1	0.5	1.3	5.8	10.8	21.9	28.6	36.4	40.6	33.2	48.2	50.6	41	10.9	12.2	1.4
C54	Corpus Uteri	Female					0.2	0.8	2.9	3.3	4.8	7.1	13.2	15.2	18.9	22.6	18.5	7.3	3.8	4.4	0.5
C55	Uterus, NOS	Female				0.1	0.3	0.4	0.3	1.3	2.1	4.4	7.4	3.7	3.9	2	2.1	1.8	1.3	1.4	0.1
C56-C57	Ovary	Female	0.1	0.1	0.7	2.4	3.8	3.3	4.6	4.7	11.7	18.9	22.3	25.4	22.4	22.6	13.7	15.3	7	7.6	0.8
C58	Placenta	Female					0.1	0.1	0.3	0.3	0.3	0.2							0.1	0.1	0
C60	Penis	Male				0.1			0.9		0.5	0.2	0.8	0.8	0.4	2.1	0.8	2.3	0.3	0.3	0
C61	Prostate Gland	Male						0.1		0.2	0.2	1.2	4.9	14.7	38.4	74.9	147.9	168.5	7.4	11	1.4
C62	Testis	Male	0.1		0.4	1.1	1.7	2.2	1.6	0.9	0.6	1.8	1.2	0.8	1.1	1.6	3.2	3.9	1	1.1	0.1
C63	Other and Unspecified Male Genital Organs	Male							0.1	0.2		0.2			0.4	0.5		0.8	0.1	0.1	0
C64, C65, C66, C68	Kidney, Other Urinary Organs	Male	0.6		0.1	0.1	0.3	0.6	1.3	1.5	2.8	4.2	5.3	7.1	13.1	21.6	18.4	19.4	2.5	3.2	0.4
	Kidney, Other Urinary Organs	Female	0.5			0.1	0.2	0.6	0.3	1.2	1.7	2.3	2.7	3.4	6.2	7.4	9.6	8.6	1.3	1.6	0.2
C67	Bladder	Male					0.3	0.1	0.9	0.8	1.5	4.4	8.1	16.6	27.6	47.4	51.2	72.2	4.7	6.6	0.8
	Bladder	Female					0.1	0.1	0.3	0.6	0.8	0.5	1	2	5.0	7.4	11.6	15.9	1	1.3	0.1
C69	Eye and Adnexa	Male	0.8		0.1	0.2	0.3	1.4	1.8	1.1	1.1	0.9		0.8	0.4	0.5		1.6	0.6	0.6	0
	Eye and Adnexa	Female	0.2			0.2	0.1	1.2	1.3	1.6	1		0.4	0.3	0.8				0.5	0.4	0
C70-C72	Brain, Other Nervous System	Male	0.2	0.2	0.8	3.2	2.6	3.2	4.4	5.4	4.2	6.9	8.1	8.4	9.7	9	8	8.5	3.6	3.9	0.4
	Brain, Other	Female	0.4	0.2	0.9	2.4	2.1	2.1	2.7	5.5	5.5	4.1	7.6	7.1	8.5	8.8	6.2	3.1	3.1	3.2	0.3

Site			Age groups, year														CR	ASR	CumR		
			0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-				70-	75+
		Nervous System																			
C73	Thyroid Gland	Male			0.3	0.5	0.7	1.7	1.6	2.1	4.1	3.5	4.5	7.1	9.0	13.7	8.8	10.9	2.2	2.6	0.3
	Thyroid Gland	Female			0.1	1.8	4.8	5.5	7.2	11.2	14.3	12.5	17.2	15.5	18.1	18.7	22.6	13.5	6.8	7.2	0.7
C74	Adrenal Gland	Male	0.2	0.1			0.1	0.5	1.3	0.5	1.1	0.2	0.2	0.3	0.4				0.3	0.3	0
	Adrenal Gland	Female	0.2	0.1			0.1	0.3	0.7	0.1	0.2	0.4	0.2		0.8	1		1.8	0.2	0.3	0
C75	Other Endocrine	Male	0.1		0.3	0.3	0.2		0.3	0.5	1.5	0.9	0.8	0.8	1.1	2.6	1.6	0.8	0.5	0.5	0.1
		Glands and Related Structures																			
	Other Endocrine	Female				0.1	0.4	0.3	0.3	0.4	1.4	0.4	0.8	2.3	0.8	0.5			0.4	0.4	0
		Glands and Related Structures																			
C76	Other and Ill-Defined Sites	Male	0.2		0.3	0.7	0.3	1.4	1.5	2	1.8	2.5	3.9	7.1	6	11.1	15.2	17.9	2	2.4	0.3
	Other and Ill-Defined Sites	Female			0.2	0.7	0.3	0.1	0.6	1.6	2.7	2.1	3.9	3.4	3.9	7.9	9.6	9.8	1.5	1.6	0.2
C77	Lymphoma	Male	0.1	0.2	0.8	2.8	1.7	2.4	2	3	4.1	6.5	9.8	13.1	17.5	21.6	25.6	22.5	4.2	4.9	0.6
	Lymphoma	Female			0.6	0.9	1.9	2.3	1.4	2.4	2.2	4.4	6.2	10.2	12.3	14.7	12.3	11	2.8	3.2	0.4

Appendix 3 : The world standard population

Age class index		
(i)	Age class	Population (w_i)
1	0-4	12,000
2	5-9	10,000
3	10-14	9,000
4	15-19	9,000
5	20-24	8,000
6	25-29	8,000
7	30-34	6,000
8	35-39	6,000
9	40-44	6,000
10	45-49	6,000
11	50-54	5,000
12	55-59	4,000
13	60-64	4,000
14	65-69	3,000
15	70-74	2,000
16	75-79	1,000
17	80-84	500
18	85+	500
		100,000