

Appendix VI: Cancer incidence and mortality in Victoria 2004

	Incidence				Mortality			
	Male		Female		Male		Female	
	Cases	Rate	Cases	Rate	Deaths	Rate	Deaths	Rate
All cancer	13,019	346.1	10,791	264.9	5,283	125.8	4,266	83.5
Oral cavity	139	4.0	96	2.3	43	1.3	17	0.3
Salivary glands	19	0.6	16	0.4	12	0.3	5	0.1
Pharynx	119	3.6	31	0.9	28	0.7	18	0.4
Oesophagus	211	5.3	120	2.1	190	4.6	87	1.6
Stomach	340	8.4	193	4.0	200	4.8	115	2.0
Colon	1,071	26.6	1,090	22.0	365	8.8	342	5.8
Rectum	779	20.6	484	11.1	220	5.3	160	3.1
Liver	179	4.7	81	1.7	163	4.2	94	1.7
Gallbladder	68	1.8	106	2.1	26	0.6	44	0.9
Pancreas	253	6.3	301	6.0	252	6.4	249	4.7
Larynx	132	3.6	13	0.3	39	1.0	7	0.1
Lung	1,472	36.5	837	17.8	1,163	27.9	614	11.9
Mesothelioma	111	2.8	26	0.6	104	2.4	19	0.4
Connective tissue	84	2.4	53	1.5	26	0.6	16	0.4
Melanoma	1,090	30.5	869	24.1	176	4.5	85	1.9
Breast	23	0.6	3,047	82.8	2	0.0	685	15.5
Cervix			142	4.1			47	1.0
Uterus			472	12.3			74	1.5
Ovary			324	8.1			232	5.0
Prostate	3,838	101.8			730	14.9		
Testis	194	7.4			2	0.1		
Bladder	204	4.7	93	1.7	118	2.5	66	1.1
Kidney	359	10.1	240	6.3	115	2.8	88	1.6
Renal pelvis	49	1.1	27	0.5	12	0.3	3	0.1
Central nervous system	199	6.1	196	5.7	146	4.4	112	3.1
Thyroid	80	2.6	225	7.0	8	0.2	11	0.2
Unknown primary	338	8.1	354	6.3	369	8.7	333	5.9
Non-Hodgkin lymphoma	570	15.3	424	10.4	187	4.3	190	3.5
Hodgkin lymphoma	73	2.7	76	2.7	10	0.3	8	0.2
Multiple myeloma	166	4.1	136	2.8	106	2.5	97	1.6
Acute lymphoblastic leukaemia	41	2.3	38	2.2	17	0.7	11	0.3
Chronic lymphocytic leukaemia	82	2.0	86	1.7	45	1.0	23	0.3
Acute myeloid leukaemia	77	2.1	65	1.5	87	2.2	83	1.7
Chronic myeloid leukaemia	33	1.0	26	0.6	18	0.4	17	0.4

Rate=Age-standardised rate per 100,000 persons (standardised to World Standard Population)

Source: Thursfield V, Farrugia H and Giles G. Cancer in Victoria 2004. Canstat No. 42, The Cancer Council Victoria, Melbourne, Nov 2006.

Appendix VII: Comparison of Victorian and USA cancer survival

5-year survival

Cancer	Victoria	SEER	Comments
Oral cavity	59	36	Oral cavity & pharynx
Pharynx	49		
Oesophagus	17	14.2	
Stomach	25	23.8	
Colon	63	61.7	
Rectum	63	62.6	
Liver	10	7.5	
Pancreas	5	4.0	
Larynx	64	68.8	
Lung	11	15.0	
Melanoma	90	89.0	
Breast	87	86.4	
Cervix	70	70.5	
Ovary	41	55.0	
Prostate	84	98.8	
Testis	99	94.7	
Bladder	51	82.1	
Kidney	68	61.8	Kidney & renal pelvis
Renal pelvis	52		
Central nervous system	23	32.0	
Thyroid	92	96.0	
Non-Hodgkin lymphoma	66	57.8	
Hodgkin lymphoma	82	85.1	
Multiple myeloma	32	29.5	
Acute lymphoblastic leukaemia	66	42.5	All leukaemias
Chronic lymphocytic leukaemia	56		
Acute myeloid leukaemia	13		
Chronic myeloid leukaemia	56		

USA survival rates 5-year survival were estimated using period analysis for patients from the US National Cancer Institute Surveillance, Epidemiology, and End Results (SEER) database for 1973–1998.

Comments:

- (1) Differences in bladder, ovary and central nervous system tumours may reflect differences in definitions and inclusion or not of borderline, benign or superficial tumours.
- (2) The difference in prostate survival may reflect the high prevalence of PSA testing in the United States with active treatment consequently undertaken on numbers of patients who would have survived in any case without intervention.

Source: Brenner H. Long-term survival rates of cancer patients achieved by the end of the 20th century: a period analysis. *Lancet*. 2002 Oct 12;360(9340):1131–5.

Appendix VIII: Life tables for Victoria 2002-2004

Age	Males				Females			
	lx	qx	Lx	e ^o x	lx	qx	Lx	e ^o x
0	100000	0.00547	99521	78.5	100000	0.00438	99612	83.3
1	99453	0.00034	99434	78.0	99562	0.00034	99544	82.6
2	99420	0.00024	99406	77.0	99528	0.00017	99518	81.7
3	99395	0.00021	99385	76.0	99511	0.00014	99504	80.7
4	99375	0.00018	99365	75.0	99497	0.00011	99492	79.7
5	99357	0.00015	99349	74.0	99486	0.00010	99481	78.7
6	99341	0.00014	99335	73.0	99477	0.00009	99472	77.7
7	99328	0.00012	99322	72.1	99468	0.00008	99464	76.7
8	99316	0.00011	99311	71.1	99460	0.00007	99457	75.7
9	99305	0.00010	99300	70.1	99453	0.00007	99449	74.7
10	99295	0.00010	99290	69.1	99446	0.00008	99442	73.7
11	99286	0.00010	99281	68.1	99438	0.00008	99434	72.7
12	99276	0.00010	99271	67.1	99430	0.00009	99425	71.8
13	99266	0.00012	99260	66.1	99420	0.00011	99415	70.8
14	99254	0.00015	99247	65.1	99409	0.00015	99402	69.8
15	99239	0.00023	99228	64.1	99394	0.00019	99385	68.8
16	99216	0.00035	99200	63.1	99375	0.00023	99364	67.8
17	99181	0.00050	99158	62.2	99352	0.00027	99339	66.8
18	99131	0.00065	99100	61.2	99325	0.00030	99311	65.8
19	99067	0.00074	99030	60.2	99296	0.00030	99281	64.8
20	98993	0.00076	98956	59.3	99266	0.00030	99251	63.9
21	98918	0.00077	98880	58.3	99236	0.00029	99221	62.9
22	98842	0.00078	98803	57.4	99207	0.00028	99193	61.9
23	98765	0.00078	98726	56.4	99179	0.00028	99165	60.9
24	98687	0.00079	98648	55.4	99152	0.00028	99138	59.9
25	98609	0.00082	98569	54.5	99124	0.00030	99110	59.0
26	98529	0.00084	98488	53.5	99095	0.00032	99080	58.0
27	98446	0.00087	98403	52.6	99064	0.00033	99048	57.0
28	98360	0.00089	98317	51.6	99032	0.00035	99015	56.0
29	98273	0.00090	98229	50.7	98997	0.00037	98979	55.0
30	98184	0.00092	98139	49.7	98961	0.00039	98942	54.0
31	98093	0.00095	98047	48.8	98923	0.00041	98903	53.1
32	98000	0.00097	97953	47.8	98883	0.00043	98862	52.1
33	97905	0.00099	97857	46.9	98840	0.00046	98818	51.1
34	97808	0.00102	97758	45.9	98795	0.00050	98771	50.1
35	97708	0.00105	97658	44.9	98746	0.00054	98720	49.2
36	97606	0.00109	97553	44.0	98693	0.00058	98664	48.2
37	97500	0.00112	97446	43.0	98635	0.00063	98605	47.2
38	97391	0.00118	97333	42.1	98573	0.00068	98541	46.2
39	97275	0.00125	97215	41.1	98507	0.00075	98470	45.3
40	97154	0.00133	97090	40.2	98433	0.00081	98394	44.3
41	97025	0.00142	96957	39.2	98354	0.00088	98311	43.3
42	96887	0.00155	96813	38.3	98267	0.00096	98221	42.4
43	96737	0.00168	96657	37.4	98173	0.00105	98122	41.4
44	96575	0.00184	96487	36.4	98070	0.00114	98015	40.5
45	96397	0.00202	96301	35.5	97958	0.00124	97898	39.5
46	96202	0.00219	96098	34.6	97836	0.00135	97771	38.6
47	95992	0.00234	95881	33.6	97704	0.00146	97634	37.6
48	95768	0.00249	95649	32.7	97562	0.00158	97485	36.7
49	95529	0.00265	95403	31.8	97407	0.00170	97325	35.7

lx = number of persons at exact age x. qx = proportion dying between exact age x and exact age x+1.

Lx = number of person years lived within the age interval x to x+1. e^ox = expectation of life at exact age x.

Source: Australian Bureau of Statistics Catalogue number 3302.2.55.001. Life tables Victoria 2002–2004

Age	Males				Females			
	lx	qx	Lx	e°x	lx	qx	Lx	e°x
50	95276	0.00284	95142	30.9	97242	0.00183	97154	34.8
51	95005	0.00305	94862	30.0	97063	0.00197	96969	33.8
52	94716	0.00330	94561	29.0	96872	0.00212	96771	32.9
53	94403	0.00359	94236	28.1	96667	0.00229	96558	32.0
54	94063	0.00395	93880	27.2	96446	0.00250	96327	31.0
55	93692	0.00438	93490	26.3	96205	0.00274	96075	30.1
56	93281	0.00489	93057	25.5	95941	0.00302	95799	29.2
57	92825	0.00547	92576	24.6	95651	0.00335	95494	28.3
58	92318	0.00608	92042	23.7	95331	0.00372	95157	27.4
59	91756	0.00674	91452	22.9	94977	0.00413	94784	26.5
60	91138	0.00746	90803	22.0	94585	0.00457	94372	25.6
61	90458	0.00824	90091	21.2	94153	0.00505	93919	24.7
62	89713	0.00911	89310	20.3	93678	0.00556	93422	23.8
63	88895	0.01008	88454	19.5	93158	0.00609	92878	23.0
64	87999	0.01119	87514	18.7	92590	0.00666	92285	22.1
65	87014	0.01242	86483	17.9	91973	0.00725	91644	21.2
66	85934	0.01381	85350	17.1	91306	0.00790	90950	20.4
67	84747	0.01539	84105	16.4	90584	0.00864	90198	19.6
68	83443	0.01714	82739	15.6	89801	0.00949	89381	18.7
69	82013	0.01911	81241	14.9	88949	0.01049	88489	17.9
70	80446	0.02130	79602	14.2	88016	0.01166	87511	17.1
71	78732	0.02373	77811	13.5	86989	0.01304	86432	16.3
72	76864	0.02642	75863	12.8	85855	0.01465	85237	15.5
73	74833	0.02941	73748	12.1	84597	0.01652	83910	14.7
74	72633	0.03273	71459	11.5	83199	0.01869	82435	13.9
75	70255	0.03643	68991	10.8	81644	0.02117	80795	13.2
76	67696	0.04055	66339	10.2	79916	0.02400	78973	12.5
77	64951	0.04511	63502	9.6	77998	0.02721	76955	11.8
78	62021	0.05017	60481	9.1	75876	0.03080	74726	11.1
79	58910	0.05573	57282	8.5	73539	0.03484	72277	10.4
80	55627	0.06189	53918	8.0	70977	0.03943	69597	9.8
81	52184	0.06880	50401	7.5	68178	0.04466	66677	9.2
82	48594	0.07667	46742	7.0	65133	0.05065	63505	8.6
83	44868	0.08567	42955	6.5	61834	0.05750	60078	8.0
84	41024	0.09592	39063	6.1	58279	0.06532	56395	7.5
85	37089	0.10728	35101	5.7	54472	0.07418	52470	6.9
86	33110	0.11956	31126	5.3	50431	0.08419	48323	6.5
87	29152	0.13257	27208	5.0	46185	0.09539	43993	6.0
88	25287	0.14613	23422	4.7	41779	0.10787	39531	5.6
89	21592	0.16005	19842	4.4	37273	0.12162	35005	5.2
90	18136	0.17418	16530	4.1	32739	0.13640	30497	4.8
91	14977	0.18834	13537	3.9	28274	0.15177	26109	4.5
92	12157	0.20188	10899	3.7	23983	0.16728	21950	4.2
93	9702	0.21547	8627	3.5	19971	0.18257	18114	4.0
94	7612	0.22900	6712	3.3	16325	0.19669	14681	3.8
95	5869	0.24247	5132	3.1	13114	0.20926	11703	3.6
96	4446	0.25587	3855	3.0	10370	0.22103	9188	3.4
97	3308	0.26920	2844	2.8	8078	0.23313	7104	3.3
98	2418	0.28245	2061	2.7	6194	0.24591	5405	3.1
99	1735	0.29561	1466	2.6	4671	0.25880	4043	2.9
100	1222	0.30884	(a)3025	2.5	3462	0.27188	9726 ^a	2.8

(a) At age 100, L100+ is shown.

Appendix IX: Victorian mortality, 2004

Deaths by age group and sex

Age group	All deaths			Cancer deaths		
	Male	Female	Total	Male	Female	Total
0-4	179	142	321	4	2	6
5-9	17	10	27	8	3	11
10-14	19	15	34	4	6	10
15-19	74	44	118	3	6	9
20-24	143	48	191	10	4	14
25-29	136	52	188	8	12	20
30-34	200	89	289	27	25	52
35-39	182	97	279	32	34	66
40-44	282	169	451	63	74	137
45-49	370	234	604	114	132	246
50-54	519	338	857	218	207	425
55-59	745	465	1,210	316	288	604
60-64	930	543	1,473	453	311	764
65-69	1,285	816	2,101	601	420	1,021
70-74	1,919	1,135	3,054	846	497	1,343
75-79	2,811	2,090	4,901	1,034	675	1,709
80-84	2,925	3,064	5,989	832	751	1,583
85+	3,702	6,733	10,435	710	819	1,529
Total	16,438	16,084	32,522	5,283	4,260	9,549

Death rates (per 100,000 persons) by age group and sex

Age group	All deaths			Cancer deaths		
	Male	Female	Total	Male	Female	Total
0-4	114.7	94.9	105.0	2.6	1.3	2.0
5-9	10.3	6.4	8.4	4.9	1.9	3.4
10-14	11.1	9.2	10.2	2.3	3.7	3.0
15-19	44.0	27.2	35.8	1.8	3.7	2.7
20-24	81.0	28.1	55.0	5.7	2.3	4.0
25-29	79.2	30.5	54.9	4.7	7.0	5.8
30-34	105.7	45.5	75.1	14.3	12.8	13.5
35-39	99.5	51.7	75.3	17.5	18.1	17.8
40-44	150.4	88.4	119.1	33.6	38.7	36.2
45-49	212.4	131.6	171.6	65.5	74.3	69.9
50-54	327.3	206.5	265.9	137.5	126.5	131.9
55-59	512.8	317.4	414.7	217.5	196.6	207.0
60-64	841.8	491.4	666.6	410.0	281.5	345.7
65-69	1,416.6	852.7	1,127.1	662.5	438.9	547.7
70-74	2,521.1	1,348.6	1,905.4	1,111.4	590.5	837.9
75-79	4,472.9	2,666.0	3,470.0	1,645.3	861.0	1,210.0
80-84	7,442.9	5,126.8	6,045.6	2,117.1	1,256.6	1,598.0
85+	15,497.3	12,875.3	13,697.5	2,972.2	1,566.1	20,007.0
<i>Crude rate</i>	<i>671.2</i>	<i>639.8</i>	<i>655.3</i>	<i>215.7</i>	<i>169.7</i>	<i>192.4</i>
ASR	389.5	250.9	314.7	125.8	83.5	102.1
	(384-396)	(247-255)	(311-318)	(123-129)	(81-86)	(100-104)

ASR=Age-standardised rate per 100,000 persons (World Standard Population) with 95% confidence interval