

**PUBLIC HOSPITAL MORBIDITY
VICTORIA, 1987**

INQUIRIES Inquiries concerning these statistics may be made by telephoning Information Services on Melbourne (03) 615 7000; for advice on the interpretation of these statistics ask for Garth Donaldson.

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INTRODUCTORY NOTES

Source

This publication contains statistics on inpatient separations from Victorian public hospitals and repatriation hospitals located in Victoria, for 1987.

The tables in this publication have been prepared by the ABS from data provided by the Health Department, Victoria, and the Department of Veterans' Affairs.

Scope

The scope of this collection is restricted to information concerning inpatients who were separated from public hospitals or from repatriation hospitals by discharge, transfer, or death, etc., during the year.

Public hospitals are those hospitals listed in Tables A and B of the Fifth Schedule of the *Hospitals and Charities Act 1958*.

Repatriation hospitals located in Victoria are not included in this Act but the Department of Veterans' Affairs has supplied data independently to the Health Department, Victoria.

Separations from private hospitals, psychiatric hospitals, hospitals for the aged, and nursing homes, are not included in the collection.

Coverage

Since 1978 virtually all public hospitals have been progressively phased into the collection. In 1982 about 80% of all public hospitals were covered by the collection, with 83% in 1983, and almost 100% by the end of 1984. Victorian repatriation hospitals (Heidelberg and Macleod) have been included since 1984.

Coding

The current issue of this publication (1987) uses the ICD-9-CM (ie. Clinical Modification) coding system, whereas all previous years used ICD-9. For an explanation of these terms refer to the Explanatory Notes.

Explanatory Notes etc.

Explanatory Notes can be found at the end of this publication, together with a list of the hospitals covered by the collection (see Appendix A).

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Deputy Commonwealth Statistician

SUMMARY OF FINDINGS

3

In 1987 there were 167 public hospitals in Victoria, (including 2 Repatriation hospitals) from which there were 586,284 separations. This represents an increase of 13.1 per cent on the 518,466 separations recorded in 1986. Females accounted for 56 per cent of the separations and males 44 per cent, about the same proportions as for 1986. It should be noted that in 1986 the total separations were 3.1 per cent lower than for 1985 due to the effect of industrial disputation by hospital staff in November and December 1986.

While in hospital, 308,415 inpatients underwent at least one medical procedure, of which most were surgical operations.

The most commonly reported principal diagnoses in 1987 were:

<i>Males</i>		<i>Females</i>	
injuries	- 12 per cent	delivery and other obstetrics	- 22 per cent
circulatory diseases	- 11 per cent	genitourinary diseases	- 11 per cent
digestive diseases	- 11 per cent	digestive diseases	- 8 per cent
neoplasms (cancers)	- 9 per cent	neoplasms (cancers)	- 8 per cent
respiratory diseases	- 8 per cent	circulatory diseases	- 7 per cent

The 586,284 separations are categorised as follows:

<i>Type of Separation</i>	<i>Number</i>	<i>Per cent</i>
Discharged to home	521,529	88.9
Temporary leave of absence	20,878	3.6
Transferred to another hospital	19,644	3.4
Died	12,570	2.1
Transferred to a nursing home	4,885	0.8
Other or not stated	6,778	1.2

The same 586,284 separations represent some 415,811 inpatients according to the following dissection:

	<i>Number</i>	<i>Per cent</i>
Total number of inpatients with 1 separation	336,958	81.1
Total number of inpatients with 2 separations	52,960	12.7
Total number of inpatients with 3 separations	13,859	3.3
Total number of inpatients with 4 or more separations	12,034	2.9

The 586,284 separations during 1987 occurred during the following months:

	<i>Persons</i>	<i>Males</i>	<i>Females</i>
January	41,911	18,336	23,575
February	44,902	19,271	25,631
March	48,821	20,904	27,917
April	47,763	20,852	26,911
May	50,456	21,867	28,589
June	48,704	21,382	27,322
July	50,747	22,394	28,353
August	50,668	22,285	28,383
September	50,108	21,875	28,233
October	51,792	22,727	29,065
November	49,889	21,923	27,966
December	50,523	22,509	28,014

The greatest number of separations occurred in October (8.83 per cent) and the least in January (7.15 per cent), with the average being 48,857 separations per month. A graphic presentation of separations during 1987 is provided below.

**PUBLIC HOSPITAL SEPARATIONS: NUMBER OF SEPARATIONS OF INPATIENTS
DURING THE YEAR 1987, VICTORIA**

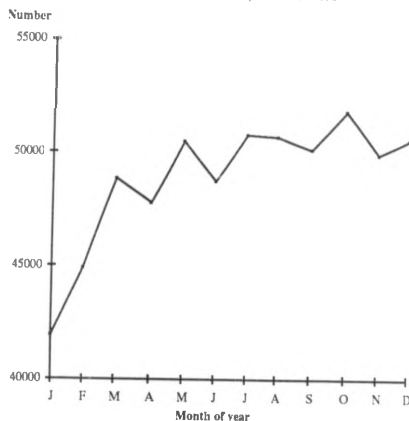


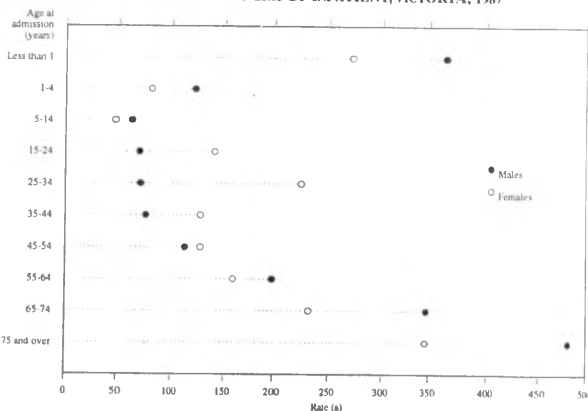
TABLE 1. SUMMARY OF HOSPITAL MORBIDITY, VICTORIA

Particulars	1985	1986	1987
	<i>Number</i>		
Hospitals	167	167	167
Separations -			
Males	228,125	223,522	256,325
Females	307,048	294,944	329,959
Persons	535,173	518,466	586,284
Inpatients who underwent a surgical operation or other medical procedure -			
Males	102,172	101,680	126,224
Females	159,813	156,107	182,191
Persons	261,985	257,787	308,415
	<i>Days</i>		
Average length of stay -			
Males	7.0	6.7	6.2
Females	7.2	7.0	6.7
Persons	7.1	6.9	6.5
	<i>Per cent</i>		
The most commonly reported diagnoses -			
Males -			
Injuries	13	13	12
Circulatory diseases	12	12	11
Digestive diseases	11	11	11
Neoplasms (cancers)	9	9	9
Respiratory diseases	10	9	8
Females -			
Delivery and other obstetrics	24	24	22
Genitourinary diseases	11	11	11
Digestive diseases	7	8	8
Neoplasms (cancers)	7	7	8
Circulatory diseases	7	7	7
Injuries	7	7	6

TABLE 2. PUBLIC HOSPITAL SEPARATIONS BY AGE GROUP AND SEX OF INPATIENTS - VICTORIA, 1987

Particulars	Sex	Age group (years)											Not stated	Total
		Under 1 year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 and over			
Total separations -														
	M	11,396	15,154	19,775	24,885	23,996	22,645	24,732	38,499	43,647	31,358	238	256,325	
	F	8,095	9,372	14,638	49,533	77,063	38,371	26,595	31,058	35,115	40,006	113	329,959	
	P	19,491	24,526	34,413	74,418	101,059	61,016	51,327	69,557	78,762	71,364	351	586,284	
Length of stay -														
Under 1 day		2,371	5,842	7,471	14,773	19,831	17,703	16,728	19,217	16,620	7,302	134	127,992	
1 day and under 2 days		3,673	7,043	8,823	12,715	14,335	8,608	5,557	5,572	5,181	4,130	34	75,671	
2 days and under 3 days		3,049	5,366	7,109	10,023	11,691	7,566	5,467	6,606	6,500	4,977	20	68,374	
3 days and under 4 days		2,006	2,461	4,009	7,578	7,572	4,563	3,809	5,051	5,575	4,957	11	47,592	
4 days and under 5 days		1,434	1,070	2,319	6,737	7,675	4,033	3,167	4,528	5,241	4,588	15	40,807	
5 days and under 6 days		1,113	668	1,351	5,812	8,386	3,648	2,901	4,575	5,358	4,321	23	38,156	
6 days and under 1 week		808	412	739	4,414	7,968	2,687	2,101	3,164	3,966	3,650	12	29,921	
1 week and under 2 weeks		2,765	1,233	1,810	9,839	20,284	9,459	8,114	13,115	16,584	16,640	47	99,890	
2 weeks and under 3 weeks		956	235	388	1,290	1,839	1,513	1,925	3,984	6,375	8,041	19	26,565	
3 weeks and under 1 month		611	108	178	550	591	464	735	1,804	3,271	4,854	13	13,429	
1 month and under 2 months		512	76	156	508	596	464	641	1,395	2,886	5,234	4	18,433	
2 months and under 3 months		118	4	42	99	112	99	109	302	649	1,424	3	2,961	
3 months and under 6 months		65	7	10	70	63	53	53	176	430	912	4	1,843	
6 months and over		10	1	8	10	16	11	20	68	126	334	—	604	
Total		19,491	24,526	34,413	74,418	101,059	61,016	51,327	69,557	78,762	71,364	351	586,284	
Inpatients who underwent -														
An operation, etc.														
	M	2,361	6,000	10,904	13,389	12,427	11,149	11,131	17,355	18,434	11,246	95	114,491	
	F	980	3,262	7,763	28,392	48,216	24,242	14,513	14,529	14,860	13,127	32	169,916	
	P	3,341	9,262	18,667	41,781	60,643	35,391	25,644	31,884	33,294	24,373	127	284,407	
Miscellaneous procedure														
	M	616	505	456	796	1,094	1,294	1,683	2,341	1,961	980	7	11,733	
	F	473	420	335	776	1,960	1,825	1,638	2,039	1,720	1,084	8	12,275	
	P	1,089	925	791	1,572	3,054	3,119	3,321	4,380	3,681	2,064	12	24,008	
Total														
	M	2,977	6,505	11,360	14,185	13,521	12,443	12,814	19,696	20,395	12,226	102	126,224	
	F	1,453	3,682	8,098	29,168	50,176	26,067	16,151	16,568	16,580	14,211	37	182,191	
	P	4,430	10,187	19,458	43,353	63,697	38,510	28,965	36,264	36,975	26,437	139	308,415	

PUBLIC HOSPITAL SEPARATIONS: HOSPITALISATION RATES BY AGE GROUP AND SEX OF INPATIENT, VICTORIA, 1987



(a) Number of separations per thousand of population in each age group.

TABLE 3. PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES BY NO. OF SEPARATIONS, SEX, AVERAGE STAY, AND AVERAGE AGE, VICTORIA, 1987

I.C.D. Class and code number (a)	Principal diagnosis	No. of separations			Average stay (days)			Average age (yr)		
		Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Class 1 Infectious and parasitic diseases		4,846	4,476	9,322	4.4	5.9	5.1	27.2	27.1	27.2
001-009	Intestinal infectious diseases	806	827	1,633	3.4	3.9	3.6	15.5	19.3	17.4
010-018	Tuberculosis	151	106	257	16.6	10.7	14.2	45.8	39.4	43.2
036	Meningococcal infection	19	20	39	9.3	7.5	8.4	17.5	10.6	14.0
055	Measles	70	71	141	2.7	2.9	2.8	7.9	9.9	8.9
084	Malaria	91	34	125	3.4	3.5	3.4	28.3	32.3	29.4
090-099	Veneral diseases	49	44	93	6.4	3.0	4.8	42.9	40.8	41.9
Class 2 Neoplasms		22,530	25,172	47,702	7.3	6.7	7.0	59.9	54.5	57.0
140-208	Malignant neoplasms	19,700	18,853	38,553	7.8	7.5	7.6	61.7	58.3	60.0
151	Malignant neoplasm of stomach	643	341	984	10.0	11.3	10.4	64.8	63.4	64.3
153	Malignant neoplasm of colon	932	863	1,795	12.6	14.9	13.7	66.6	66.6	66.6
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	745	496	1,241	11.8	15.5	13.2	65.5	66.2	65.8
162	Malignant neoplasm of trachea, bronchus and lung	3,006	1,008	4,014	8.9	8.4	8.8	65.4	64.0	65.0
174	Malignant neoplasm of female breast	—	4,703	4,703	—	4.7	4.7	—	55.5	55.5
180	Malignant neoplasm of cervix uteri	—	992	992	—	6.7	6.7	—	53.3	53.3
204-208	Leukaemia	1,067	764	1,831	6.3	8.3	7.1	49.0	45.7	47.7
218, 219	Benign neoplasm of uterus	—	1,788	1,788	—	6.6	6.6	—	44.3	44.3
Class 3 Endocrine, nutritional and metabolic diseases, and immunity disorders		4,532	4,725	9,257	7.9	9.3	8.6	45.8	49.0	47.4
240-246	Diseases of thyroid gland	103	592	695	6.2	7.4	7.2	51.0	49.8	50.0
250	Diabetes mellitus	2,141	2,277	4,418	10.2	11.6	10.9	54.8	56.1	55.5
260-269	Nutritional deficiencies	59	39	98	17.0	12.5	15.2	57.7	58.4	58.0
Class 4 Diseases of the blood and blood-forming organs		3,569	3,337	6,906	2.9	4.0	3.5	36.7	42.7	39.6
Class 5 Mental disorders		4,518	5,938	10,456	11.7	1.9	13.5	51.0	53.3	52.3
Class 6 Diseases of the nervous system and sense organs		13,362	14,034	27,396	5.5	5.9	5.7	40.9	46.3	43.7
340	Multiple sclerosis	105	240	345	60.6	34.4	42.4	49.0	46.2	47.1
360-379	Diseases of eye and adnexa	5,374	6,139	11,513	2.8	3.2	3.0	53.0	58.9	56.1
380-389	Diseases of ear and mastoid process	3,401	2,772	6,173	1.7	2.1	1.9	16.2	21.3	18.5
Class 7 Diseases of the circulatory system		28,242	21,990	50,232	10.3	13.1	11.5	63.3	67.3	65.0
393-398	Chronic rheumatic heart disease	113	184	297	9.5	11.1	10.5	58.1	56.2	56.9
401-405	Hypertensive disease	450	854	1,304	7.3	9.6	8.8	59.3	64.2	62.5
410	Acute myocardial infarction	4,501	2,284	6,785	9.8	11.1	10.3	63.6	71.0	66.1
430-438	Cerebrovascular disease	4,486	4,152	8,638	20.2	25.6	22.8	68.1	71.5	69.7
454	Varicose veins of lower extremities	659	1,638	2,327	8.7	8.7	8.7	53.7	50.9	51.7
Class 8 Diseases of the respiratory system		21,472	16,879	38,351	5.8	6.2	6.0	34.1	35.0	34.5
474	Chronic diseases of tonsils, adenoids	1,413	1,936	3,349	2.5	2.7	2.6	10.2	12.9	11.7
480-486	Pneumonia	2,742	1,997	4,739	11.8	16.0	13.6	52.6	53.6	53.0
487	Influenza	102	139	241	4.3	4.8	4.6	42.1	41.1	41.5
490-493	Bronchitis, emphysema and asthma	6,123	5,540	11,663	3.6	4.2	3.9	23.1	31.0	26.9
Class 9 Diseases of digestive system		29,400	27,017	56,417	4.5	5.1	4.8	44.7	45.3	45.0
520-525	Diseases of teeth, etc.	2,743	3,612	6,355	0.9	0.9	0.9	20.9	20.7	20.8
531-533	Ulcer of stomach and duodenum	3,162	2,256	5,418	4.2	6.6	5.2	57.0	64.3	60.0
540-543	Appendicitis	2,443	2,204	4,647	4.7	4.6	4.6	23.7	23.3	23.5
550-553	Hernia of abdominal cavity	5,837	2,176	8,013	4.2	4.3	4.2	46.8	46.7	46.8
Class 10 Diseases of the genito-urinary system		15,122	36,511	51,633	4.1	3.4	3.6	51.1	40.6	43.7
580-599	Diseases of urinary system	9,091	7,682	16,773	3.5	4.7	4.1	53.7	48.4	51.2
600	Hypertrophy of prostate	2,787	—	2,787	7.7	—	7.7	69.9	—	69.9
614.0-614.2	Salpingitis and oophoritis	—	235	235	—	4.5	4.5	—	29.7	29.7
618	Uterovaginal prolapse	—	2,317	2,317	—	9.2	9.2	—	57.9	57.9
Class 11 Complications of pregnancy, childbirth and the puerperium		—	72,719	72,719	—	5.2	5.2	—	27.3	27.3
630-639	Pregnancy with abortive outcome	—	11,135	11,135	—	1.3	1.3	—	27.6	27.6
640-646		—	—	—	—	—	—	—	—	—
651-676	Direct obstetric conditions	—	49,836	49,836	—	6.0	6.0	—	27.3	27.3
650	Normal delivery	—	10,393	10,393	—	5.6	5.6	—	27.1	27.1

TABLE 3. PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES BY NO. OF SEPARATIONS, SEX, AVERAGE STAY, AND AVERAGE AGE, VICTORIA, 1987 - continued

I.C.D. Class and code number (a)	Principal diagnosis	No. of separations			Average stay (days)			Average age (yrs)		
		Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Class 12	Diseases of the skin and subcutaneous tissue	5,620	5,022	10,642	6.3	9.0	7.6	38.8	46.0	42.2
Class 13	Diseases of the musculoskeletal system and connective tissue	10,493	12,136	22,629	6.9	9.3	8.2	45.4	51.4	48.6
Class 14	Congenital anomalies	4,373	2,676	7,049	4.6	6.0	5.1	14.1	14.9	14.4
Class 15	Certain conditions originating in perinatal period	4,065	3,204	7,269	8.9	10.0	9.3	0.2	0.2	0.2
Class 16	Signs, symptoms and ill-defined conditions	13,278	14,206	27,484	3.8	4.2	4.0	42.8	41.7	42.3
Class 17	Injury and poisoning	30,120	20,491	50,611	6.5	9.7	7.8	30.9	43.1	35.8
800-829	Fractures	11,222	8,259	19,481	8.8	15.2	11.5	30.9	52.5	40.1
850-869	Intracranial and internal injuries, including nerves	3,438	1,526	4,964	5.1	4.8	5.0	23.8	25.8	24.4
930-949	Burns	966	430	1,396	10.1	12.1	10.7	23.2	24.1	23.5
960-989	Poisonings and toxic effects	1,948	2,724	4,672	3.0	3.1	3.1	29.6	32.1	31.1
V01-V82	Supplementary classification of factors re health status and health services	30,715	30,889	61,604	3.8	5.7	4.8	47.1	45.7	46.4
Total reported principal diagnoses		246,257	321,422	567,679	6.1	6.5	6.3	44.3	41.6	42.8
Total unreported principal diagnoses		10,068	8,537	18,605	9.7	12.7	11.0	47.3	48.9	48.0
Total		256,325	329,959	586,284	6.2	6.7	6.5	44.4	41.8	42.9

NOTE: (a) The codes selected in this table are in accordance with the Morbidity List of the International Classification of Diseases.

PUBLIC HOSPITAL SEPARATIONS: NUMBER OF INPATIENTS BY PRINCIPAL DIAGNOSES AND SEX, VICTORIA, 1987

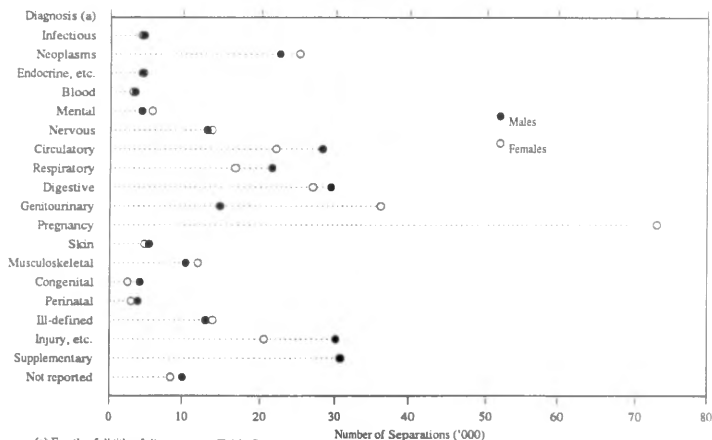


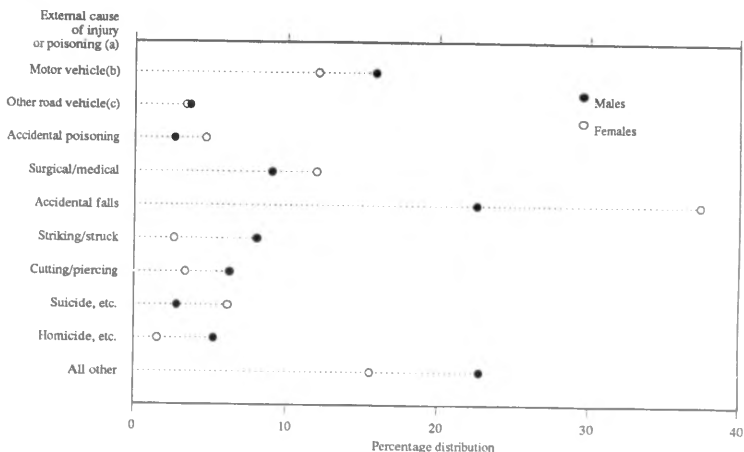
TABLE 4. PUBLIC HOSPITAL SEPARATIONS: SELECTED PRINCIPAL MEDICAL PROCEDURES BY SEX, AVERAGE STAY, AND AVERAGE AGE, VICTORIA, 1987

I.C.D. code number	Selected principal medical procedures	No. of separations			Average stay (days)	Average age(yrs)
		Males	Females	Persons		
	OPERATIONS, ETC.					
	Operations on the nervous system	3,105	3,194	6,299	8.6	47.2
04	Operations on cranial and peripheral nerves	1,035	1,429	2,464	2.7	49.9
	Operations on the endocrine system	256	756	1,012	6.6	44.2
06	Operations on thyroid and parathyroid glands	202	682	884	6.0	44.6
	Operations on the eye	5,837	6,428	12,265	2.7	55.9
08	Operations on eyelids	1,045	929	1,974	1.2	49.3
13	Operations on lens	2,240	3,204	5,444	3.4	71.6
15	Operations on extraocular muscles	539	575	1,114	1.5	12.3
	Operations on the ear	3,254	2,422	5,676	1.8	18.1
20	Operations on middle and inner ear (excluding reconstructive operations)	2,331	1,627	3,958	1.2	11.5
	Operation on the nose, mouth, and pharynx	9,147	8,852	17,999	2.2	25.7
21	Operation on nose	3,226	1,868	5,094	2.6	30.9
23	Removal and restoration of teeth	2,607	3,431	6,038	0.8	20.4
28	Operations on tonsils and adenoids	1,808	2,340	4,148	2.7	11.9
	Operations on the respiratory system	3,498	1,728	5,226	8.3	53.5
34	Operations on chest wall, pleura, mediastinum, and diaphragm	639	362	1,001	10.3	50.9
	Operations on the cardiovascular system	14,574	8,713	23,287	4.7	51.2
38	Incision, excision, and occlusion of vessels	1,498	1,919	3,417	8.2	52.9
	Operations on the genic and lymphatic system	1,185	1,045	2,230	6.9	46.3
	Operations on the digestive system	29,504	29,384	58,978	5.5	49.0
47	Operations on appendix	2,664	2,759	5,423	4.7	23.0
49	Operations on anus	2,064	1,362	3,426	4.1	44.3
51	Operations on gallbladder and biliary tract	1,558	3,684	5,242	9.6	52.8
53	Repair of hernia	5,415	1,564	6,979	4.6	42.9
	Operations on the urinary system	6,752	4,474	11,226	4.5	52.1
57	Operations on urinary bladder	3,908	2,649	6,557	3.4	58.1
	Operations on the male genital organs	10,264	—	10,264	4.1	38.0
60	Operations on prostate and seminal vesicles	3,172	—	3,172	9.6	71.0
62	Operations on testes	1,841	—	1,841	2.0	20.3
64	Operations on penis	2,254	—	2,254	1.1	10.0
	Operations on the female genital organs	—	42,176	42,176	2.8	35.9
66	Operations on fallopian tubes	—	5,291	5,291	2.4	32.9
67	Operations on cervix	—	3,936	3,936	1.4	33.9
68	Other incision and excision of uterus	—	4,648	4,648	9.3	46.7
69	Other operations on uterus and supporting structures	—	22,559	22,559	1.2	33.9
	Obstetrical procedures	—	35,028	35,028	7.2	27.5
72	Forceps, vacuum, and breech delivery	—	6,520	6,520	7.4	27.1
74	Cesarean section and removal of fetus	—	7,354	7,354	10.0	28.5
	Operations on the musculoskeletal system	17,363	13,848	31,211	9.7	41.2
77,78	Operations on bones (except facial bones)	2,740	2,563	5,303	7.7	40.7
79	Reduction of fracture (excluding facial fracture) and dislocation	6,092	4,608	10,700	11.0	36.2
81	Repair and plastic operations on joint structures	1,913	2,656	4,569	17.7	58.9
82	Operations on muscle, tendon, and fascia of hand	1,656	1,162	2,818	1.6	41.7
	Operations on the integumentary system	9,662	11,868	21,530	5.0	40.8
85	Operations on the breast	216	4,343	4,559	3.6	44.3
86	Operations on skin and subcutaneous tissue	9,446	7,525	16,971	5.4	39.8
	MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES	11,733	12,275	24,008	4.4	45.9
87,88	Diagnostic radiology and related techniques	4,805	4,130	8,935	5.8	49.5
93	Physical therapy, respiratory therapy, rehabilitation and related procedures	742	587	1,329	14.5	25.7
	All other miscellaneous procedures	6,186	7,558	13,744	2.6	45.6
	Total	126,224	182,191	308,415	5.2	41.3

**TABLE 5. PUBLIC HOSPITAL SEPARATIONS - EXTERNAL CAUSE OF INPATIENTS
WITH A PRINCIPAL DIAGNOSIS OF INJURY OR POISONING (a) BY SEX,
NUMBER OF SEPARATIONS, PERCENT OF TOTAL, AND AVERAGE STAY - VICTORIA 1987**

External cause of injury or poisoning	I.C.D. code	Males			Females			Persons		
		Separations	Percent of total	Average stay (days)	Separations	Percent of total	Average stay (days)	Separations	Percent of total	Average stay (days)
Railway accidents.....	E800-E807	43	0.1	17.8	11	0.1	15.0	54	0.1	17.3
Motor vehicle traffic accidents.....	E810-E819	4,855	16.1	10.7	2,469	12.0	10.4	7,324	14.5	10.6
Motor vehicle non-traffic accidents.....	E820-E825	676	2.2	6.0	141	0.7	6.1	817	1.6	6.0
Other road vehicle accidents.....	E826-E829	1,135	3.8	4.5	708	3.5	3.9	1,843	3.6	4.2
Water transport accidents.....	E830-E838	99	0.3	7.6	16	0.1	7.2	115	0.2	7.5
Air and space transport accidents.....	E840-E845	49	0.2	7.4	17	0.1	11.9	66	0.1	8.5
Vehicle accidents not elsewhere classified.....	E846-E848	59	0.2	6.4	24	0.1	2.7	83	0.2	5.3
Accidental poisoning by drugs, medicaments and biologicals.....	E850-E858	615	2.0	1.8	869	4.2	1.9	1,484	2.9	1.8
Accidental poisoning by other solid and liquid substances, gases and vapours.....	E860-E869	211	0.7	1.9	132	0.6	2.6	343	0.7	2.2
Misadventures to patients during surgical and medical care.....	E870-E876	58	0.2	5.5	55	0.3	6.3	113	0.2	5.9
Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure.....	E878-E879	2,717	9.0	10.2	2,467	12.0	10.9	5,184	10.2	10.5
Accidental falls.....	E880-E888	6,813	22.6	7.7	7,680	37.5	14.8	14,493	28.6	11.4
Accidents caused by fire and flames.....	E890-E899	287	1.0	12.6	85	0.4	16.5	372	0.7	13.5
Accidents due to natural and environmental factors.....	E900-E909	547	1.8	2.8	375	1.8	3.5	922	1.8	3.1
Accidents caused by submersion, suffocation and foreign bodies.....	E910-E915	669	2.2	1.9	477	2.3	1.7	1,146	2.3	1.8
Striking against or struck accidentally by objects or persons.....	E917	2,442	8.1	2.8	560	2.7	4.4	3,002	5.9	3.1
Accidents caused by cutting and piercing instruments or objects.....	E920	1,944	6.5	2.2	723	3.5	2.5	2,667	5.3	2.3
Other accidents.....	E916 (E918-E919, E921-E928)	3,644	12.1	5.0	1,344	6.6	6.5	4,988	9.9	5.4
Late effects of accidental injury.....	E929	257	0.9	7.2	117	0.6	7.2	374	0.7	7.2
Drugs, medicaments and biological substances causing adverse effects in therapeutic use.....	E930-E949	329	1.1	7.4	455	2.2	6.2	784	1.5	6.7
Suicide and self-inflicted injury.....	E950-E959	872	2.9	4.0	1,319	6.4	3.6	2,191	4.3	3.8
Homicide and injury purposely inflicted by other persons.....	E960-E969	1,658	5.5	3.0	324	1.6	3.3	1,982	3.9	3.1
Other injuries inflicted.....	E970-E999	147	0.5	4.6	123	0.6	3.1	270	0.5	3.9
Total external causes.....	E800-E999	30,126	100.0	6.5	20,491	100.0	9.7	50,617	100.0	7.8

PUBLIC HOSPITAL SEPARATIONS: PERCENTAGE DISTRIBUTION OF THE EXTERNAL CAUSES OF INPATIENTS WITH A PRINCIPAL DIAGNOSIS OF INJURY OR POISONING, VICTORIA, 1987



(a) For the full title of external causes see Table 5. (b) Motor vehicle traffic accidents. (c) Other road vehicle accidents.

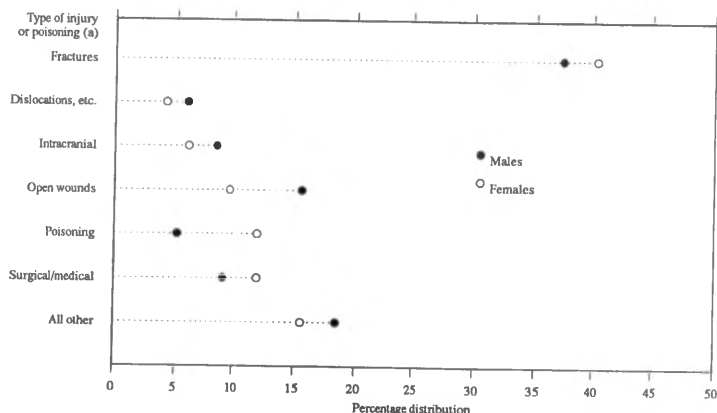
TABLE 6. PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES OF INJURY OR POISONING BY SEX AND AGE GROUP - VICTORIA, 1987

Principal diagnosis of injury or poisoning (a)	ICD code	Sex	Age groups (years)										Total
			0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 and over	Not stated	
Fracture of skull.....(800-804)		M	71	269	1,091	582	227	112	53	42	31	2	2,480
		F	42	103	204	122	67	32	22	25	50	—	667
Fracture of neck and trunk.....(805-809)		M	1	35	223	244	179	146	179	124	170	1	1,302
		F	3	25	131	109	64	91	136	150	359	—	1,068
Fracture of upper limb.....(810-819)		M	228	1,465	902	443	236	139	126	79	77	3	3,698
		F	151	945	202	113	115	102	217	323	439	—	2,607
Fracture of lower limb.....(820-829)		M	129	442	930	553	351	265	260	311	493	8	3,742
		F	52	223	206	146	153	175	350	691	1,915	6	3,917
Total fractures.....(800-829)		M	429	2,211	3,146	1,822	993	662	618	556	771	14	11,222
		F	248	1,296	743	490	399	400	725	1,189	2,763	6	8,259
Dislocations, sprains and strains of joints and adjacent muscles.....(830-848)		M	6	118	590	473	258	134	83	61	49	2	1,774
		F	4	72	167	163	90	85	63	102	113	—	859
Intracranial injury, excluding those with skull fracture.....(850-854)		M	279	645	880	323	127	83	84	60	76	7	2,564
		F	174	331	323	126	67	50	39	40	73	2	1,225
Open wound of head, neck and trunk.....(870-879)		M	241	254	482	279	152	89	79	40	48	3	1,667
		F	195	147	123	79	44	33	44	29	73	2	769

TABLE 6. PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES OF INJURY OR POISONING BY SEX AND AGE GROUP - VICTORIA, 1987 —continued

Principal diagnosis of injury or poisoning (a)	I.C.D. code	Sex	Age groups (years)										75 and over	Not stated	Total
			0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74					
Open wound of upper limb.....(880-887)		M	151	176	689	466	307	188	158	77	31	—	2,243		
		F	108	89	132	82	69	55	30	22	22	—	609		
Open wound of lower limb.....(890-897)		M	51	175	227	118	75	44	49	20	20	—	779		
		F	35	90	74	38	27	38	56	88	176	1	623		
Total open wounds.....(870-897)		M	443	605	1,398	863	534	321	286	137	99	3	4,689		
		F	338	326	329	199	140	126	130	139	271	3	2,001		
Contusion with intact skin surface(920-924)		M	56	175	286	172	91	58	61	42	50	2	993		
		F	33	85	119	86	54	40	45	80	171	—	713		
Burns.....(940-949)		M	264	110	206	147	82	62	45	26	24	—	966		
		F	164	61	48	35	21	25	14	17	43	2	430		
Poisoning by drugs, medicaments and biological substances.....(960-979)		M	240	43	360	358	201	109	76	82	71	1	1,541		
		F	201	113	732	503	321	191	123	134	151	6	2,475		
Complications of surgical and medical care not elsewhere classified.....(996-999)		M	148	199	287	235	206	227	508	535	380	—	2,725		
		F	91	125	247	326	343	239	281	423	405	—	2,480		
Other injuries and poisonings.....(860-869) (900-919,925-939) (950-959,980-995)		M	387	477	944	642	396	249	237	170	139	5	3,646		
		F	280	282	352	253	175	149	163	154	240	1	2,049		
Total injuries and poisonings.....(800-999)		M	2,252	4,583	8,097	5,035	2,888	1,905	1,998	1,669	1,659	34	30,120		
		F	1,533	2,691	3,060	2,181	1,610	1,305	1,583	2,278	4,230	20	20,491		
		P	3,785	7,274	11,157	7,216	4,498	3,210	3,581	3,947	5,889	54	50,611		

PUBLIC HOSPITAL SEPARATIONS: PERCENTAGE DISTRIBUTION OF INPATIENTS WITH A PRINCIPAL DIAGNOSIS OF INJURY OR POISONING BY THE NATURE OF INJURY OR POISONING, BY SEX, VICTORIA, 1987



(a) For the full title of principal diagnoses of injury or poisoning see Table 6.

TABLE 7. PUBLIC HOSPITAL SEPARATIONS: MAJOR DIAGNOSTIC CATEGORIES
BY STATISTICAL REGION (USUAL RESIDENCE OF INPATIENT),
NUMBER OF SEPARATIONS,
VICTORIA, 1987 (a)

Statistical region	Nervous	Circulatory	Respiratory	Digestive	Genito-urinary	Musculo-skeletal	Neoplasms	Injury, poisoning	All other reported diagnoses	Total
MELBOURNE										
Outer Western Melbourne	2,558	4,518	3,569	5,547	6,240	1,794	4,468	4,724	25,187	58,605
North Western Melbourne	1,316	2,184	1,630	2,614	2,432	909	2,282	2,311	13,215	28,893
Inner Melbourne	1,468	2,539	1,750	3,091	2,737	1,007	2,785	2,889	13,957	32,223
North Eastern Melbourne(b)	2,911	5,255	3,280	6,045	6,274	2,206	5,849	4,190	27,923	63,933
Inner Eastern Melbourne	1,806	3,369	1,874	3,240	3,179	1,070	3,678	3,322	15,693	37,231
Southern Melbourne	2,051	4,221	2,183	4,144	3,623	1,493	4,582	3,420	15,876	41,593
Outer Eastern Melbourne	1,521	3,130	2,385	3,112	3,241	1,251	3,284	3,733	15,579	37,236
Mornington Peninsula	2,120	3,873	3,087	4,300	4,800	1,689	4,730	4,068	19,036	47,703
Total Melbourne	15,751	29,089	19,758	32,093	32,526	11,419	31,658	28,657	146,466	347,417
BALANCE OF VICTORIA										
South Western Victoria	2,316	5,254	3,902	5,280	4,369	2,144	3,632	4,848	16,391	48,136
Western Victoria	2,653	4,404	4,017	5,634	4,073	2,622	3,371	4,524	16,266	47,564
Northern Victoria	3,631	6,476	6,495	7,196	5,469	3,567	5,065	7,155	24,736	69,790
Eastern Victoria	2,282	3,970	3,559	5,229	4,217	2,370	3,145	3,991	14,828	43,591
Total balance of Victoria	10,882	20,104	17,973	23,339	18,128	10,703	15,213	20,518	72,221	209,081
OTHER										
New South Wales	551	681	485	770	722	407	653	938	2,869	8,076
Other states, etc.	212	358	135	215	257	100	178	498	1,152	3,105
Total other	763	1,039	620	985	979	507	831	1,436	4,021	11,181
TOTAL ALL	27,396	50,232	38,351	56,417	51,633	22,629	47,702	50,611	222,708	567,679

(a) The regions used in this table are those as used in ABS Labour Force tables, and are applied here to give a geographical analysis of hospital morbidity data. The data is analysed by the usual residence postcode of hospital inpatients. (b) Includes the two Repatriation hospitals of Heidelberg and Macleod, for which no analysis by postcode is available.

EXPLANATORY NOTES

Classifications

Until 30 June 1986 diagnoses were classified according to the Ninth Revision of the International Classification of Diseases (ICD-9) produced by the World Health Organisation (W.H.O.).

As from 1 July 1986, the Health Department, Victoria required all Victorian public hospitals to adopt the C.M. (i.e. Clinical Modification) version of ICD-9. All data in this publication are classified according to ICD-9-CM.

Surgical operations and other medical procedures are coded by using the ICD-9-CM Procedure Classification.

Definitions

An *inpatient* is any person in respect of whom the hospital admission procedures have been completed, or whom the hospital assesses as an inpatient for financial purposes.

Babies born in hospital who experience no morbidity are excluded as inpatients, except that in a multiple birth babies in excess of one are admitted.

A *separation* occurs when an inpatient is discharged from hospital, is transferred to another hospital or other health care accommodation, is on temporary leave of absence, or dies in hospital following formal admission.

It is important to note that inpatients who had more than one episode in hospital during the year are counted more than once in the statistics (i.e. each time they are discharged).

The *principal diagnosis* is the main condition, disease, or injury treated or investigated during the patient's stay in hospital.

It is usually the condition which best accounts for the period of inpatient care.

ICD-9 has provision for dual coding (manifestation/aetiology) for certain diagnostic statements.

For example, tuberculous meningitis would have its aetiology (underlying cause) coded under an infectious and parasitic diseases classification, and its manifestation (involving disease of an organ/system) coded under the nervous system classification.

However, ICD-9-CM differs from ICD-9 in several respects, the main difference being the introduction of greater subdivision of diagnostic categories at fourth and fifth digit level to provide added clinical detail.

Also, the optional dual classification (manifestation/aetiology) of ICD-9 is modified to make manifestations essentially a fifth digit function of aetiology codes; where this is not feasible the ICD-9 code for manifestations has been retained.

Aetiology codes have been used for tabulation in Table 3 of this publication.

Provision has been made in the development of the Victorian hospital morbidity collection to code other diagnoses and procedures in addition to that selected as principal.

The *principal medical procedure* is the main operation or other procedure performed during the period of hospitalisation and is defined as one which:

- (a) is performed in an operating theatre; or
- (b) carries an operative or anaesthetic risk; or
- (c) requires highly specialised facilities or equipment.

The ICD-9-CM Procedure Classification differs from ICD-9 in that the classification is based more on anatomy than on surgical speciality, etc. Consequently, some medical procedures (e.g. biopsies) which were previously segregated elsewhere are now included as sub-groups in the relevant anatomical section. There still remains a section entitled "Miscellaneous Diagnostic and Therapeutic Procedures".

External cause gives the details of the circumstances involved in cases of injury for all inpatients admitted for treatment following accidents, poisonings and acts of violence.

The external cause is directly related to the principal condition treated.

Length of stay is the difference in days between the date of admission and the date of discharge.

Average length of stay is calculated by totalling the lengths of stay, in days, of the relevant separations and dividing by the number of separations in that category. Where an inpatient is admitted and separated on the same day, the length of stay is taken as zero in the calculation of average length of stay.

Age is calculated by subtracting the date of birth from date of admission and is published in completed years.

Average age for each group is the sum of the ages divided by the number of separations.

Hospitalisation rate is the number of separations from hospital per 1000 persons of a particular sex and age group. It includes inpatients who were discharged more than once during the year.

Diagnostic and procedural data contained in this publication are generalised in their presentation.

Unpublished statistics

In some cases, the ABS can also provide additional information which is unpublished. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout or manually-extracted tabulation. In general a charge is made for providing special data services.

Related publications

Users may also wish to refer to the following ABS publications, available on request:

Causes of Death, Victoria (3302.2) (\$5.00)

Deaths, Victoria (3306.2) (\$5.00)

Social Report Victoria: Health (4302.2) (\$6.00)

Current publications produced by the ABS are listed in the Catalogue of Publications (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

-	nil or rounded to zero.
M	males
F	females
P	persons

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

