

INPATIENT HOSPITAL MORBIDITY
IN WESTERN AUSTRALIA
1971 - 1981

An Analysis of Principal Conditions Treated,
Medical and Surgical Procedures and Hospital Bed Days

C. D'ARCY J. HOLMAN MBBS MPH(Harv.) PhD

and

BERESS H. BROOKS BSc(Hons)

- Western Australian Department of Public Health

Position Paper No. 2
Data Base Working Group

Steering Committee on the Review of
Health Promotion and Health Education
in Western Australia
Public Health Department
Perth, Western Australia
1984

2. MATERIALS AND METHODS

2.1 Source of Inpatient Hospital Morbidity Data

Operational descriptions of the Hospital Morbidity Data System (HMDS) are available elsewhere (Appendix I, Statistics Branch, Series A, Numbers 2 - 11; Lugg, 1981, pp. 159 - 162). Briefly, the System was implemented in all short-stay hospitals in Western Australia on 1st January 1971, and has included all discharges from these hospitals with the exception of healthy newborn infants. In 1981 short-stay hospitals comprised the five major teaching hospitals and the one federal veteran's hospital in Perth, 87 other public hospitals and 23 private hospitals. Nursing homes and psychiatric institutions were excluded. The data were collected on a standard form which is part of the patient medical record. Initially, coding and computer work on the System were performed at the Western Australian Office of the Australian Bureau of Statistics. However, for data generated between 1977 and 1980 there was a four year phased hand-over of all coding and computer work to the Statistics Branch of the Public Health Department.

Annual numbers of hospital discharges and medical or surgical procedures in Western Australia, tabulated by sex, five-year age group and broad categories of principal condition treated or type of principal procedure performed, were obtained directly from the Statistics Branch Series A publications (Numbers 2 - 11) for the years 1971 to 1980 inclusive. More detailed tabulations of numbers of discharges and procedures in the years 1972, 1976 and 1981, and of inpatient hospital bed days in 1981, were produced in computer printout form by access to the HMDS as an ad hoc inquiry. The second year of operation of the HMDS, 1972, was selected as the initial year in the detailed analysis of trends because of the possibility of under-ascertainment in 1971. The year 1976 was selected because it was a census year.

The following definitions used in the HMDS are of relevance to the present report (based on Statistics Branch, Series A).

Inpatient : Any person in respect of whom the hospital admission procedures are completed and for whom the hospital charges a fee

for accommodation and/or therapeutic or diagnostic services during the period of care, irrespective of the duration of stay. Those liveborn infants who are either formally admitted or remain in hospital without their mothers, experience significant morbidity while in hospital with their mother, are premature or die in hospital are included. Healthy newborn infants are excluded.

Discharge : The formal release of an inpatient by a hospital, that is, the termination of an episode of hospitalisation by death or by disposition to place of residence, a nursing home or another hospital. (In the HMDS there is no distinction between discharges and separations; i.e., both include deaths and transfers).

Bed days : The total number of inpatient days accumulated at the time of discharge by a patient. A stay of less than 1 day (patient admission and discharge on the same day) is counted as 1 day. For patients admitted and discharged on different days, the number of days stay is computed by subtracting the date of admission from the date of separation.

Age : Age at last birthday prior to the date of admission.

Principal condition : The final diagnosis of the disease condition treated which best characterised the period of hospitalisation .

Procedure : A particular and defined course of action undertaken to diagnose or to treat disease, injury or deformity. These actions may be divided into two main groups .

- (a) Surgical : Manual or operative methods usually undertaken in a specially prepared and equipped environment (e.g. operating theatre). Most surgical procedures necessitate the use of an incision in the operative method.
- (b) Non-surgical : A non-surgical procedure involves diagnosis or treatment without resort to incision, excision or repair. As a general rule, in ICPM chapter 5 deals solely with the classification of all surgical procedures; chapters 1, 2 and 8 are a mixture of surgical and non-surgical procedures; and chapters 4 and 9 are classifications of non-surgical procedures.

The analysis of procedures, with the exception of four selected surgical procedures denoted below, was based only on the principal procedure performed during hospital stay.

The numbers of four common surgical operations (tonsillectomy, appendectomy, hysterectomy and Caesarian section) were compiled in years 1972, 1976 and 1981. In these instances, the supplementary procedure fields as well as the principal procedure field were searched for the relevant codes.

2.2 Classifications of Conditions and Procedures

During the 11 years from 1971 to 1981, the following classifications were adopted in the HMDS for the coding and classification of principal conditions and procedures.

Period	Classifications
1971-78	Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Eighth Revision. World Health Organisation, Geneva, 1967 (ICD-8). <u>and</u> Code of Surgical Operations, General Register Office of England and Wales. Reproduced in Australia by the Commonwealth Department of Health, Canberra, 1968 (CSO).
1979-81	Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Ninth Revision. World Health Organisation, Geneva, 1977 (ICD-9) <u>and</u> International Classification of Procedures in Medicine. World Health Organisation, Geneva, 1975 (ICPM).

Thus, in the interpretation of trends in discharge rates and procedure rates, caution must be exercised in the knowledge that results from 1971-78 are not entirely comparable with those in 1979-81. This applies especially to the change from CSO to ICPM; the ICPM includes non-surgical procedures, whereas the CSO did not. Several other structural differences exist between the two procedure classifications. Biopsies in ICPM, for example, are not included in chapter 5 which otherwise appears to have a similar coverage to the CSO.

In the analyses of discharge rates and bed days, the 18 chapters of ICD-9 (including the supplementary classifications), the basic tabulation list of 57 sets of conditions, selected groupings of three digit rubrics, and the individual three digit rubrics themselves were used at various stages in the compilation of data for this report. Surgical procedures were compiled to the level of three digit ICPM code and non-surgical procedures were compiled to the level of two digits.

Injuries and poisonings (ICD chapter XVII) were classified by external cause as well as by the nature of injury. It should be noted, however, that a considerable discrepancy exists between the total numbers of discharges assigned external causes (37,345 in 1981), and the number of principal conditions classified as injuries or poisonings (33,403 in 1981). This was due to use of external cause codes in combination with codings for other orthopaedic aftercare (V54), disorders of bone and cartilage (733), other and unspecified disorders of back (724), and other principal conditions not included in ICD chapter XVII. The lack of mutual exclusion between external causes and conditions other than injuries and poisonings could have been avoided by restriction of the external cause tabulations. This action was not taken, however, since it was considered undesirable to introduce an artificial reduction in the apparent morbidity burden due to accidents and other external factors.

2.3 Populations

Census and intercensal estimates of the population of Western Australia distributed by five year age group and sex in each year from 1971 to 1981 were obtained from the Australian Bureau of Statistics. These estimates are shown in Table 1.

TABLE 1
ESTIMATED POPULATIONS OF WESTERN AUSTRALIAN MALES AND FEMALES BY AGE
IN YEARS 1971 TO 1981

Year	AGE GROUP																	Total	
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
MALES																			
1971	55082	53869	53371	48782	50362	41589	36059	31538	32913	30594	23842	22276	19021	15338	9883	5166	2912	1478	534075
1972	56917	53969	54866	49940	48937	45802	37412	32715	32782	31356	24979	22320	19592	15859	10598	5214	2935	1487	547680
1973	57088	53472	55613	51258	49020	48289	38417	33686	32537	31861	26489	21876	20035	16249	11201	5470	2948	1515	557024
1974	56667	54681	56601	52831	49690	50565	40724	35097	32637	32317	28329	21298	20751	16565	11770	5845	2951	1515	570834
1975	56208	56221	56585	53678	52247	52803	43016	36663	32595	32800	29292	22013	21023	16818	12165	6375	2947	1554	585003
1976	54718	58169	56309	54165	53609	54944	44996	38118	32652	33428	30116	23038	21242	17224	12593	6964	2914	1584	596783
1977	54006	60122	56544	55911	53737	54751	48755	39755	33795	33256	30938	24192	21170	17680	13070	7376	3086	1678	609822
1978	54125	60824	56905	57370	54266	55028	52035	40877	34951	33157	31677	25837	20717	18105	13405	7879	3331	1813	622302
1979	53729	60608	58468	59180	57669	56425	53264	41874	35971	32954	31539	27420	20222	18720	13638	8767	3439	1870	635757
1980	53346	59671	59396	58945	58325	57396	54929	43485	37092	32745	31874	28137	20694	19148	13974	8971	3866	1918	643912
1981	53797	58092	61748	58655	59220	58650	57742	45224	38536	32836	32325	28742	21599	19349	14267	9360	4243	2018	656403
FEMALES																			
1971	56208	56221	56585	53678	52247	52803	43016	36663	32595	32800	29292	22013	21023	16818	12165	6375	2947	1554	585003
1972	53729	50557	51930	48253	45959	39157	34444	30334	29235	28115	24041	22519	20091	16267	12217	8057	5023	3255	523183
1973	54014	50057	52532	49461	46367	41813	34966	31235	29274	28407	25146	22343	20700	16890	12703	8357	5154	3369	532788
1974	53760	51024	53246	50714	47444	44826	36494	32496	29479	28771	26571	21726	21617	17525	13359	8749	5267	3469	546537
1975	53347	52747	53498	51988	49818	47783	37886	33891	29620	29354	27155	22278	22088	18096	13827	9123	5575	3619	561693
1976	52040	54415	53191	52857	50963	50299	39101	34966	29973	29803	27528	23061	22659	18580	14439	9994	5573	3619	573061
1977	51470	56505	53253	53959	52332	50549	42990	36330	31071	29757	28000	24172	22461	19464	14872	10461	5833	3788	587267
1978	51147	57619	53474	54724	53218	51561	46167	36946	32154	29949	28595	25342	22376	20104	15528	10955	6157	3996	600012
1979	50722	57793	55125	56526	55203	53949	48784	38967	33693	30066	29210	27004	22237	20633	16246	11466	6173	4572	618369
1980	50292	56803	56170	56797	56191	55184	51324	40730	34724	30251	29583	27557	22490	21432	16803	11666	6767	4811	629575
1981	50608	55498	58242	56787	57159	56273	54546	42133	35987	30637	30216	27609	23253	21876	17467	12097	7278	5025	642691

TABLE 6
AGE STANDARDISED HOSPITAL DISCHARGE RATES AND ANNUAL INPATIENT BED DAYS
FROM DIFFERENT PRINCIPAL CONDITIONS IN WESTERN AUSTRALIAN MALES AND
FEMALES IN 1981 (ICD-9 BASIC TABULATION LIST)

Principal condition	Age standardised discharge rate (discharges per 100,000 person-years)				Annual inpatient bed days		
	Males		Females		Males	Females	Persons
	Rate	S.E.	Rate	S.E.			
43 Diseases of the musculoskeletal system and connective tissue	1568.61	15.18	1528.48	15.06	74842	92954	167796
34 Diseases of other parts of the digestive system	1613.31	15.75	1323.32	14.18	72005	69350	141355
46 Signs, symptoms and ill-defined conditions	1797.14	17.05	2022.55	17.99	57594	68117	125711
39 Direct obstetric causes	-	-	2510.70	17.84	-	124032	124032
21 Mental disorders	624.73	9.59	616.00	9.56	60332	63115	123447
V0 Other reasons for contact with health services	1414.37	15.00	3304.68	21.82	38366	82135	120501
E52 Other accidents, including late effects	2006.00	17.44	957.18	12.46	71869	41702	113571
32 Other diseases of the respiratory system	1501.37	16.17	1164.65	14.38	67344	45049	112393
37 Diseases of female genital organs	16.72	1.58	2039.83	17.17	410	77796	78206
29 Cerebrovascular disease	211.90	5.71	134.82	4.11	36434	40842	77276
30 Other diseases of the circulatory system	439.36	8.09	444.21	8.09	32141	29696	61837
41 Normal delivery	-	-	1239.29	12.79	-	61579	61579
42 Diseases of skin and subcutaneous tissue	698.93	10.47	608.14	9.89	31172	27569	58741
22 Diseases of the nervous system	391.55	7.78	407.78	7.93	32003	25409	57412
27 Ischaemic heart disease	577.22	9.42	241.71	5.76	35632	18611	54243
28 Diseases of pulmonary circulation and other forms of heart disease	356.03	7.37	228.11	5.46	28406	22428	50834
E50 Accidental falls	350.02	7.54	326.36	7.10	16080	30094	46174
E47 Transport accidents	512.45	8.72	248.20	6.28	32279	13662	45941
35 Diseases of urinary system	916.00	11.93	922.39	12.00	19528	19955	39483
31 Diseases of the upper respiratory tract	883.87	12.32	914.32	12.83	18377	18377	36479
23 Disorders of the eye and adnexa	437.77	8.46	395.69	7.95	17692	17115	34807
18 Endocrine and metabolic diseases, immunity disorders	168.74	5.18	277.85	6.51	10422	23122	33544
E49 Misadventures during medical care, abnormal reactions, late complications	218.28	5.87	179.06	5.24	17391	14936	32327
13 Malignant neoplasm of other and unspecified sites	111.14	4.12	101.06	3.90	10521	9947	20468
11 Malignant neoplasm of bone, connective tissue, skin and breast	144.68	4.71	168.72	5.01	7812	12371	20183
45 Certain conditions originating in the perinatal period	197.48	6.58	175.94	6.41	10364	9483	19847
36 Disease of male genital organs	489.66	8.94	-	-	18849	-	18849
09 Malignant neoplasm of digestive organs and peritoneum	96.34	3.85	44.89	2.47	10897	7612	18509
01 Intestinal infectious diseases	373.21	8.69	360.83	8.55	8753	7814	16567
12 Malignant neoplasm of genitourinary organs	136.88	4.57	86.63	3.53	8783	7613	16396
10 Malignant neoplasm of respiratory and intrathoracic organs	129.39	4.46	26.93	2.01	12735	3287	16022
44 Congenital anomalies	271.05	7.26	186.86	6.12	9147	6390	15537
26 Hypertensive disease	154.30	4.79	176.14	5.10	5512	9007	14519
24 Diseases of the ear and mastoid process	393.11	8.42	356.23	8.13	6216	6332	12548
33 Diseases of oral cavity, salivary glands and jaws	312.50	7.11	460.39	8.59	4466	6378	10844
20 Diseases of blood and blood-forming organs	118.25	4.41	115.80	4.28	4154	5666	9820
04 Viral diseases	230.73	6.30	274.71	6.88	4556	4556	9443
15 Benign neoplasm	101.97	4.04	188.64	5.54	3263	6121	9384
38 Abortion	-	-	511.12	8.44	-	8973	8973

TABLE 7

AGE STANDARDISED HOSPITAL DISCHARGE RATES ANNUAL INPATIENT BED DAYS FROM DIFFERENT PRINCIPAL CONDITIONS IN WESTERN AUSTRALIAN MALES AND FEMALES IN 1981 (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

Principal Condition	Age standardised discharge rate (discharges per 100,000 person-years)				Annual inpatient bed days		
	Males		Females		Males	Females	Persons
	Rate	S.E.	Rates	S.E.			
21 Mental Disorders							
Alcohol and drug-related (291,292, 302-305)	354.28	7.26	72.56	3.33	32083	6618	38701
Other psychoses (290,293-299)	89.37	3.61	117.21	4.08	13508	20704	34212
Other neurotic and personality disorders (300-302, 306-316)	179.46	5.15	422.99	7.97	14596	35609	50205
Mental retardation (317-319)	0.70	0.36	1.59	0.54	9	60	69
22 Diseases of the Nervous System							
Inflammatory diseases (320-326)	32.35	2.43	24.51	2.11	1734	1398	3132
Hereditary and degenerative diseases (330-337)	63.75	3.13	39.08	2.35	9233	4682	13915
Multiple sclerosis and other demyelinating diseases (340, 341)	7.59	1.08	22.02	1.84	1314	2524	3838
Paralytic syndromes (342-344)	35.03	2.34	19.72	1.73	11655	5523	17178
Other (345-359)	250.82	6.16	301.19	6.82	7887	11118	19005
23 Disorders of the Eye and Adnexa							
Disorders of the retina and choroid (361-363)	28.76	2.09	22.78	1.83	1308	1060	2368
Glaucoma (365)	21.91	1.85	20.72	1.64	1125	1371	2496
Cataract (366)	105.85	4.02	98.87	3.50	6492	7544	14036
Other (360,364, 367-379)	276.91	6.88	252.79	6.71	8549	7126	15675
29 Cerebrovascular Disease							
Subarachnoid haemorrhage (430)	7.25	1.06	8.56	1.14	1272	1846	3118
Other (431-438)	204.08	5.60	125.94	3.95	35140	38921	74061
30 Other Diseases of the Circulatory System							
Diseases of arteries, arterioles and capillaries (440-448)	147.92	4.72	60.92	2.87	15937	8470	24407
Venous thrombosis and phlebitis (451-453)	34.11	2.27	37.22	2.30	2231	2369	4600
Varicose veins and haemorrhoids (454-456)	243.98	6.02	329.54	7.06	13299	18009	31308
Other (457-459)	12.35	1.39	16.21	1.49	593	836	1429
31 Diseases of the Upper Respiratory Tract							
Acute infections (460-465)	432.00	9.29	350.78	8.47	6977	6450	13427
Other (470-478)	583.19	9.73	561.84	9.67	11353	11609	22962
32 Other Diseases of the Respiratory System							
Acute infections (466, 480-487)	456.15	9.19	349.18	8.14	22411	14820	37231
Asthma (493)	472.36	9.32	417.27	8.68	9688	10722	20410
Chronic bronchitis and emphysema (490-493, 496)	244.47	6.21	114.51	4.16	20347	7046	27393
Pneumoconioses (500-508)	6.44	1.01	3.63	0.82	407	230	637
Other (494, 495, 510-519)	319.14	7.51	277.64	7.05	14326	12118	26444

TABLE 13
**AGE STANDARDISED HOSPITAL DISCHARGE RATES ACCORDING TO DIFFERENT PRINCIPAL CONDITIONS
 IN WESTERN AUSTRALIAN MALES AND FEMALES FROM 1971 TO 1981 (ICD-9 CHAPTERS)**

Principal Condition	Sex	Age Standardised Discharge Rate (Discharges per 100,000 person-years)										
		Year of Discharge										
		1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
I Infectious and Parasitic Diseases	Male	994.27 (14.00)*	1005.64 (13.86)	1033.79 (14.02)	950.03 (13.39)	1011.19 (13.74)	1095.11 (14.36)	1019.87 (13.79)	1021.85 (13.74)	838.63 (12.48)	807.85 (12.29)	685.76 (11.32)
	Female	884.50 (12.86)	1007.10 (14.15)	1082.41 (14.60)	989.08 (13.86)	1023.72 (14.04)	1058.71 (14.31)	989.26 (13.73)	1012.32 (13.81)	898.91 (12.99)	870.72 (12.80)	712.01 (11.54)
II Neoplasms	Male	719.64 (11.78)	758.23 (11.90)	764.10 (11.77)	780.15 (11.75)	837.83 (12.01)	822.54 (11.75)	804.44 (11.44)	884.01 (11.83)	839.64 (11.41)	860.76 (11.44)	867.45 (11.34)
	Female	645.17 (10.53)	761.57 (11.88)	789.37 (11.96)	776.59 (11.68)	829.83 (11.91)	782.91 (11.46)	810.82 (11.52)	855.52 (11.65)	732.06 (10.67)	713.17 (10.39)	745.17 (10.55)
III Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	Male	187.53 (6.13)	220.89 (6.56)	226.28 (6.54)	214.09 (6.31)	234.59 (6.54)	224.93 (6.38)	237.90 (6.50)	226.29 (6.25)	188.04 (5.49)	195.34 (5.60)	174.73 (5.22)
	Female	243.02 (6.63)	293.54 (7.54)	322.96 (7.82)	323.76 (7.74)	333.39 (7.76)	303.20 (7.30)	305.96 (7.31)	329.93 (7.48)	257.38 (6.39)	270.61 (6.54)	283.21 (6.58)
IV Diseases of Blood and Blood-forming Organs	Male	98.63 (4.39)	110.73 (4.59)	114.22 (4.63)	120.53 (4.71)	112.55 (4.49)	115.77 (4.53)	114.82 (4.46)	109.08 (4.32)	109.42 (4.25)	105.84 (4.12)	116.77 (4.32)
	Female	95.79 (4.11)	108.02 (4.51)	110.45 (4.52)	111.20 (4.47)	118.22 (4.57)	109.23 (4.35)	112.26 (4.38)	108.04 (4.26)	108.42 (4.17)	124.20 (4.45)	115.77 (4.27)
V Mental Disorders	Male	336.97 (8.05)	379.70 (8.42)	399.18 (8.53)	468.09 (9.11)	545.27 (9.66)	548.78 (9.57)	681.80 (10.50)	768.15 (11.04)	715.14 (10.45)	693.84 (10.22)	625.26 (9.59)
	Female	354.81 (7.76)	475.92 (9.52)	496.58 (9.60)	481.68 (9.33)	492.72 (9.34)	481.66 (9.09)	498.01 (9.16)	600.88 (9.92)	657.03 (10.11)	639.98 (9.84)	615.98 (9.56)
VI Diseases of the Nervous System and Sense Organs	Male	962.69 (13.66)	1007.25 (13.76)	1042.97 (13.93)	1068.09 (13.96)	1126.46 (14.16)	1189.76 (14.44)	1211.91 (14.45)	1318.96 (14.99)	1282.53 (14.69)	1293.15 (14.65)	1222.70 (14.14)
	Female	807.95 (12.05)	949.28 (13.51)	1007.04 (13.85)	1029.04 (13.84)	1093.95 (14.10)	1103.65 (14.05)	1160.03 (14.25)	1225.92 (14.53)	1242.05 (14.50)	1237.77 (14.38)	1160.36 (13.81)
VII Diseases of the Circulatory System	Male	1377.65 (16.07)	1406.61 (15.98)	1474.21 (16.14)	1420.29 (15.64)	1527.67 (15.97)	1499.03 (15.62)	1567.24 (15.74)	1570.32 (15.54)	1592.95 (15.48)	1598.94 (15.30)	1754.47 (15.86)
	Female	1112.28 (13.65)	1181.65 (14.38)	1233.46 (14.59)	1216.48 (14.31)	1232.08 (14.18)	1220.38 (13.89)	1277.74 (14.00)	1296.51 (13.94)	1228.48 (13.31)	1229.02 (13.11)	1250.93 (13.07)
VIII Diseases of the Respiratory System	Male	2769.98 (22.87)	3113.29 (23.84)	3242.74 (24.16)	2949.05 (22.96)	3022.97 (23.07)	2897.37 (22.56)	2789.35 (22.11)	2808.41 (21.98)	2789.85 (21.88)	2759.63 (21.74)	2516.61 (20.70)
	Female	2004.33 (18.90)	2634.37 (22.42)	2728.96 (22.66)	2502.43 (21.59)	2506.81 (21.39)	2318.29 (20.54)	2284.76 (20.36)	2311.33 (20.26)	2277.82 (20.11)	2255.77 (19.91)	2032.97 (18.92)
IX Diseases of the Digestive System	Male	1853.81 (18.61)	1920.00 (18.67)	1891.16 (18.37)	1945.25 (18.40)	1975.73 (18.35)	2006.65 (18.30)	2021.88 (18.21)	2078.93 (18.29)	2174.41 (18.53)	2241.72 (18.67)	1928.91 (17.21)
	Female	1675.12 (16.78)	1913.13 (18.88)	1977.46 (18.99)	1976.02 (18.76)	1938.13 (18.31)	1898.81 (17.97)	1957.54 (18.06)	2032.63 (18.18)	2120.44 (18.30)	2123.06 (18.17)	1783.84 (16.52)
X Diseases of the Genitourinary System	Male	1123.60 (14.56)	1280.78 (15.27)	1025.40 (13.63)	1002.64 (13.35)	1031.89 (13.41)	1106.75 (13.70)	1186.46 (14.06)	1295.60 (14.54)	1577.55 (15.84)	1620.93 (15.94)	1421.58 (14.88)
	Female	2299.90 (19.10)	2987.38 (23.40)	2972.49 (23.09)	3177.04 (23.46)	3398.47 (23.86)	3422.26 (23.62)	3555.34 (23.75)	3546.18 (23.49)	4428.57 (25.53)	4367.42 (25.12)	2962.41 (20.77)
XI Complications of Pregnancy, Childbirth and the Puerperium	Male	-	-	-	-	-	-	-	-	-	-	
	Female	4770.53 (24.94)	5622.87 (29.30)	5176.57 (27.90)	5001.92 (26.90)	4756.72 (25.73)	4467.03 (24.64)	4258.36 (23.79)	4387.65 (23.77)	4302.00 (23.08)	4221.19 (22.65)	4284.54 (22.53)

* Standard errors of rates in parentheses

TABLE 11

AGE STANDARDISED HOSPITAL DISCHARGE RATES FOR DIFFERENT PRINCIPAL CONDITIONS IN WESTERN AUSTRALIAN MALES AND FEMALES IN 1972, 1976 AND 1981 (SELECTED CATEGORIES OF THE ICD-9 BASIC TABULATION LIST)

Principal condition	Sex	Age standardised discharge rate (discharges per 100,000 person years)		
		Year of discharge		
		1972	1976	1981
21 Mental Disorders	Male	379.70 (8.42)*	548.78 (9.57)	625.26 (9.59)
	Female	475.92 (9.52)	481.66 (9.09)	615.98 (9.56)
22 Diseases of the Nervous System	Male	268.38 (7.07)	339.83 (7.62)	391.55 (7.78)
	Female	278.72 (7.31)	365.72 (8.00)	407.78 (7.93)
23 Disorders of the Eye and Adnexa	Male	351.30 (8.23)	426.61 (8.76)	437.77 (8.46)
	Female	311.91 (7.73)	344.44 (7.81)	395.69 (7.95)
27 Ischaemic Heart Disease	Male	438.63 (9.14)	449.04 (8.80)	577.22 (9.42)
	Female	221.38 (6.22)	208.98 (5.70)	241.71 (5.76)
29 Cerebrovascular Disease	Male	206.61 (6.36)	185.76 (5.70)	211.90 (5.71)
	Female	144.45 (4.94)	140.46 (4.59)	134.82 (4.11)
30 Other Diseases of the Circulatory System	Male	330.83 (7.89)	409.98 (8.31)	439.36 (8.09)
	Female	450.25 (9.24)	482.55 (9.07)	444.21 (8.09)
31 Diseases of the Upper Respiratory Tract	Male	1353.91 (15.86)	1233.20 (14.92)	883.87 (12.32)
	Female	1310.80 (15.98)	1114.94 (14.38)	914.32 (12.83)
32 Other Diseases of the Respiratory System	Male	1633.17 (17.66)	1552.68 (16.89)	1501.37 (16.17)
	Female	1164.85 (15.08)	1100.06 (14.37)	1164.65 (14.38)

* Standard errors of rates in parentheses

TABLE 12

AGE STANDARDISED HOSPITAL DISCHARGE RATES FOR DIFFERENT PRINCIPAL CONDITIONS IN WESTERN AUSTRALIAN MALES AND FEMALES IN 1972, 1976 AND 1981 (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

Principal condition	Sex	Age standardised discharge rate (discharges per 100,000 person-years)		
		Year of discharge		
		1972	1976	1981
21 Mental Disorders				
Alcohol-related (291,303)	Male	104.38 (4.42)*	299.55 (7.08)	321.58 (6.93)
	Female	25.25 (2.22)	57.85 (3.18)	53.86 (2.88)
Drug-related (292,304,305)	Male	2.50 (0.67)	11.96 (1.37)	32.69 (2.16)
	Female	1.94 (0.62)	7.79 (1.14)	18.69 (1.68)
Other psychoses (290,293-299)	Male	65.39 (3.58)	64.99 (3.34)	89.37 (3.61)
	Female	81.64 (3.88)	92.83 (3.92)	117.21 (4.08)
Other Neurotic and personality disorders (300-302,306-316)	Male	204.46 (6.19)	170.45 (5.41)	179.46 (5.15)
	Female	365.49 (8.38)	320.51 (7.46)	422.99 (7.97)
Mental retardation (317-319)	Male	3.80 (0.87)	3.84 (0.86)	0.70 (0.36)
	Female	2.75 (0.77)	2.59 (0.75)	1.59 (0.54)
22 Diseases of the Nervous System				
Inflammatory diseases (320-326)	Male	22.80 (2.10)	21.47 (2.03)	32.35 (2.43)
	Female	15.73 (1.81)	21.52 (2.08)	24.51 (2.11)
Hereditary and degenerative diseases (330-337)	Male	3.34 (0.79)	5.16 (0.97)	63.75 (3.13)
	Female	2.23 (0.67)	4.68 (0.89)	39.08 (2.35)
Multiple sclerosis and other demyelinating diseases (340,341)	Male	4.35 (0.89)	6.04 (1.01)	7.59 (1.08)
	Female	12.92 (1.59)	15.47 (1.65)	22.02 (1.84)
Paralytic syndromes (342-344)	Male	23.44 (2.12)	28.28 (2.26)	35.03 (2.34)
	Female	17.74	15.70	19.72

* Standard errors of

APPENDIX TABLE I
NUMBERS OF HOSPITAL DISCHARGES OF WESTERN AUSTRALIAN MALES IN 1981
BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																			Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown	
01 Intestinal Infectious Diseases	1293	86	59	49	64	43	54	33	27	26	29	16	21	24	20	15	8	3	-	1870
02 Tuberculosis	2	-	-	3	4	2	4	3	6	2	8	2	9	3	5	3	2	1	-	59
03 Other Bacterial Diseases	39	13	6	3	10	8	8	4	5	7	10	12	12	16	12	11	5	7	-	188
04 Viral Diseases	314	253	172	123	140	97	64	53	34	19	26	17	18	12	21	19	9	4	-	1395
05 Rickettsiosis & Other Arthropod-Borne Diseases	1	-	2	1	9	5	2	1	3	4	1	2	-	-	1	-	-	-	-	32
06 Venereal Diseases	-	-	-	4	13	4	8	1	5	1	-	-	3	-	3	-	-	-	-	42
07 Other Infectious & Parasitic Diseases & Late Effects of Infectious & Parasitic Diseases	68	21	15	6	6	12	10	4	5	3	2	6	6	9	-	2	2	-	-	177
08 Malignant Neoplasm of Lip, Oral Cavity and Pharynx	-	-	-	1	-	-	-	12	6	3	17	14	19	18	19	9	4	1	-	123
09 Malignant Neoplasm of Digestive Organs and Peritoneum	1	-	-	-	-	2	4	4	18	27	33	61	92	103	120	97	61	25	-	648
10 Malignant Neoplasm of Respiratory & Intrathoracic Organs	-	-	-	2	2	-	1	6	20	36	64	103	141	180	162	106	23	13	-	859
11 Malignant Neoplasm of Bone, Connective Tissue, Skin & Breast	4	4	8	13	18	13	29	42	37	62	92	115	104	139	111	114	41	26	-	972
12 Malignant Neoplasm of Genitourinary Organs	4	2	-	2	2	21	16	9	30	10	24	65	89	154	173	183	96	59	-	939
13 Malignant Neoplasm of Other and Unspecified Sites	10	11	6	16	15	19	14	37	22	29	61	87	95	97	116	63	41	8	-	747
14 Malignant Neoplasm of Lymphatic & Haemopoietic Tissue	7	18	23	32	3	13	36	5	8	22	38	85	38	48	60	27	25	6	-	494
15 Benign Neoplasm	54	41	51	32	28	38	43	44	49	36	53	45	41	51	31	11	7	3	-	658
16 Carcinoma In Situ	1	-	-	-	-	1	1	-	-	2	-	3	4	5	1	2	1	-	-	21
17 Other & Unspecified Neoplasm	5	3	10	13	12	11	21	18	23	17	36	37	39	37	32	27	8	5	-	354
18 Endocrine & Metabolic Diseases, Immunity Disorders	55	32	47	39	41	32	55	69	48	70	76	110	80	88	110	75	38	39	1	1105
19 Nutritional Deficiencies	7	1	-	-	1	2	2	1	1	6	3	2	4	6	4	6	1	2	-	49
20 Diseases of Blood & Blood Forming Organs	65	76	71	20	43	27	21	9	23	12	24	48	71	38	66	77	32	32	-	755
21 Mental Disorders	24	10	24	108	301	439	485	545	436	419	471	328	210	172	147	120	59	22	5	4325
22 Diseases of the Nervous System	118	121	119	129	162	211	169	205	194	177	163	170	160	185	178	124	55	21	3	2614
23 Disorders of the Eye & Adnexa	329	151	97	82	114	109	136	84	109	133	131	184	192	244	273	221	141	69	2	2801
24 Diseases of the Ear & Mastoid Process	639	596	239	91	43	63	91	76	74	69	74	74	55	21	22	13	6	3	-	2249
25 Rheumatic Fever & Rheumatic Heart Disease	6	16	19	11	6	9	2	2	5	7	-	10	4	4	3	1	-	-	1	106
26 Hypertensive Disease	1	2	1	4	116	50	68	120	65	107	60	133	61	145	63	45	18	2	-	1061
27 Ischaemic Heart Disease	1	-	-	-	-	11	41	105	198	346	495	662	550	515	405	300	103	48	1	3781
28 Diseases of Pulmonary Circulation & Other Forms of Heart Disease	12	2	7	16	27	48	40	59	76	109	185	217	240	340	376	320	212	112	1	2399
29 Cerebrovascular Disease	4	1	3	4	11	9	12	15	43	47	84	126	174	228	261	223	114	67	-	1426
30 Other Diseases of the Circulatory System	3	1	8	34	98	159	207	220	236	231	254	317	267	317	285	260	84	32	3	3016
31 Diseases of the Upper Respiratory Tract	1173	1165	523	404	352	367	299	208	157	152	131	125	70	79	43	33	11	5	3	5300
32 Other Diseases of the Respiratory System	2463	1007	440	244	216	190	190	156	169	195	311	401	458	618	657	573	317	179	9	8793
33 Diseases of Oral Cavity, Salivary Glands and Jaws	276	150	219	279	293	206	144	80	66	67	65	53	40	24	24	14	8	1	-	2009
34 Diseases of Other Parts of the Digestive System	590	400	514	555	635	656	712	724	656	654	790	835	738	688	648	490	235	134	5	10659
35 Diseases of Urinary System	146	101	66	106	484	604	275	186	506	778	623	597	530	406	223	162	108	66	1	5968
36 Diseases of Male Genital Organs	393	201	121	121	136	134	144	111	95	80	145	219	266	316	278	222	97	41	1	3121

APPENDIX TABLE II
NUMBERS OF HOSPITAL DISCHARGES OF WESTERN AUSTRALIAN FEMALES IN 1981
BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

APPENDIX TABLE III
AGE-SPECIFIC AND CRUDE HOSPITAL DISCHARGE RATES IN WESTERN AUSTRALIAN MALES IN 1981
BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																		Crude Rate
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
01 Intestinal Infectious Diseases	2403.4	148.0	95.5	83.5	108.0	73.3	93.5	72.9	70.0	79.1	89.7	55.6	97.2	124.0	140.1	160.2	188.5	148.6	284.88
02 Tuberculosis	3.7	-	-	5.1	6.7	3.4	6.9	6.6	15.5	6.0	24.7	6.9	41.6	15.5	35.0	32.0	47.1	49.5	8.98
03 Other Bacterial Diseases	72.4	22.3	9.7	5.1	16.8	13.6	13.8	8.8	12.9	21.3	30.9	41.7	55.5	82.6	84.1	117.5	117.8	346.8	28.64
04 Viral Diseases	583.6	435.5	278.5	209.7	236.4	165.3	110.8	117.1	88.2	57.8	80.4	59.1	83.3	62.0	147.1	202.9	212.1	198.2	212.52
05 Rickettsiosis & Other Arthropod-Borne Diseases	1.8	-	3.2	1.7	15.1	8.5	3.4	2.2	7.7	12.1	3.0	6.9	-	-	7.0	-	-	-	4.87
06 Venereal Diseases	-	-	-	6.8	21.9	6.8	13.8	2.2	12.9	3.0	-	-	13.8	-	21.0	-	-	-	6.39
07 Other Infectious & Parasitic Diseases & Late Effects of Infectious & Parasitic Diseases	126.4	36.1	24.2	10.2	10.1	20.4	17.3	8.8	12.9	9.1	6.1	20.8	27.7	46.5	-	21.3	47.1	-	26.96
08 Malignant Neoplasm of Lip, Oral Cavity and Pharynx	-	-	-	1.7	-	-	-	26.5	15.5	9.1	52.5	48.7	87.9	93.0	133.1	96.1	94.2	49.5	18.73
09 Malignant Neoplasm of Digestive Organs and Peritoneum	1.8	-	-	-	-	3.4	6.9	8.8	46.7	82.2	102.0	212.2	425.9	532.3	841.1	1036.3	1437.6	1218.8	98.71
10 Malignant Neoplasm of Respiratory & Intrathoracic Organs	-	-	-	3.4	3.3	-	1.7	13.2	51.8	109.6	197.9	358.3	652.8	930.2	1135.4	1132.4	542.0	644.2	130.86
11 Malignant Neoplasm of Bone, Connective Tissue, Skin & Breast	7.4	6.8	12.9	22.1	30.3	22.1	50.2	92.8	96.0	188.8	284.6	400.1	481.5	718.3	778.0	1217.9	966.2	1288.4	148.07
12 Malignant Neoplasm of Genitourinary Organs	7.4	3.4	-	3.4	3.3	35.8	27.7	19.9	77.8	30.9	74.2	226.1	412.0	795.9	1212.5	1955.1	2262.5	2923.6	143.05
13 Malignant Neoplasm of Other and Unspecified Sites	18.5	18.9	9.7	27.2	25.3	32.4	24.2	81.8	57.0	88.3	188.7	302.6	439.8	501.3	813.0	673.0	966.3	396.4	113.80
14 Malignant Neoplasm of Lymphatic & Haemopoietic Tissue	13.0	30.9	37.2	54.5	5.0	22.1	62.3	11.0	20.7	67.0	117.5	295.7	175.9	248.0	420.5	288.4	589.2	297.3	75.25
15 Benign Neoplasm	100.3	70.5	82.5	54.5	47.2	64.7	74.4	97.2	127.1	109.6	163.9	156.5	189.8	263.5	217.2	117.5	164.9	148.6	100.24
16 Carcinoma In Situ	1.8	-	-	-	-	1.7	1.7	-	-	-	6.1	-	13.8	20.6	35.0	10.6	47.1	49.5	3.19
17 Other & Unspecified Neoplasm	9.2	5.1	16.1	22.1	20.2	18.7	36.3	39.8	59.6	51.7	111.3	128.7	180.5	191.2	224.2	288.4	188.5	247.7	53.93
18 Endocrine & Metabolic Diseases, Immunity Disorders	102.2	55.0	76.1	66.4	69.2	54.5	95.2	152.5	124.5	213.1	235.1	382.7	370.3	454.8	771.0	801.2	895.5	1932.6	168.34
19 Nutritional Deficiencies	13.0	1.7	-	-	1.6	3.4	3.4	2.2	2.5	18.2	9.2	6.9	18.5	31.0	28.0	64.1	23.5	99.1	7.46
20 Diseases of Blood & Blood Forming Organs	120.8	130.8	114.9	34.1	72.6	46.0	36.3	19.9	59.6	36.5	74.2	167.0	328.7	196.3	462.6	822.6	754.1	1585.7	115.02
21 Mental Disorders	44.6	17.2	38.8	184.1	508.2	748.5	839.9	1205.1	1131.4	1276.0	1457.0	1141.1	972.2	888.9	1030.3	1282.0	1390.5	1090.1	658.89
22 Diseases of the Nervous System	219.3	208.2	192.7	219.9	273.5	359.7	292.6	453.3	373.6	539.0	504.2	591.4	740.7	956.1	1247.6	1324.7	1296.2	1040.6	398.23
23 Disorders of the Eye & Adnexa	611.5	259.9	157.0	139.8	192.5	185.8	235.5	185.7	282.8	405.0	405.2	640.1	888.9	1261.0	1913.5	2361.1	3323.1	3419.2	426.71
24 Diseases of the Ear & Mastoid Process	1187.8	1025.9	387.0	155.1	72.6	107.4	157.6	168.0	192.0	210.1	228.9	257.4	254.6	108.5	154.2	138.8	141.4	148.6	342.62
25 Rheumatic Fever & Rheumatic Heart Disease	11.1	27.5	30.7	18.7	10.1	15.3	3.4	4.4	12.9	21.3	-	34.7	18.5	20.6	21.0	10.6	-	-	16.14
26 Hypertensive Disease	1.8	3.4	1.6	6.8	195.8	85.2	117.7	265.3	168.6	325.8	185.6	462.7	282.4	749.3	441.5	480.7	424.2	99.1	161.63
27 Ischaemic Heart Disease	1.8	-	-	-	-	18.7	71.0	232.1	513.8	1053.7	1531.3	2303.2	2546.4	2661.6	2838.7	3205.1	2427.5	2378.5	576.01
28 Diseases of Pulmonary Circulation & Other Forms of Heart Disease	22.3	3.4	11.3	27.2	45.5	81.8	69.2	130.4	197.2	331.9	572.3	754.9	1111.1	1757.2	2635.4	3418.8	4996.4	5550.0	365.47
29 Cerebrovascular Disease	7.4	1.7	4.8	6.8	18.5	15.3	20.7	33.1	111.5	143.1	259.8	438.3	805.5	1178.3	1829.4	2382.4	2686.7	3320.1	217.24
30 Other Diseases of the Circulatory System	5.5	1.7	12.9	57.9	165.4	271.1	358.4	486.4	612.4	703.5	785.7	1102.9	1236.1	1638.3	1997.6	2777.7	1979.7	1585.7	459.47
31 Diseases of the Upper Respiratory Tract	2180.4	2005.4	846.9	688.7	594.3	625.7	517.8	459.9	407.4	462.9	405.2	434.9	324.0	408.2	301.3	352.5	259.2	247.7	807.43
32 Other Diseases of the Respiratory System	4578.3	1733.4	712.5	415.9	364.7	323.9	329.0	344.9	438.5	593.8	962.1	1395.1	2120.4	3193.9	4605.0	6121.7	7471.1	8870.1	1339.57
33 Diseases of Oral Cavity, Salivary Glands and Jaws	513.0	258.2	354.6	475.6	494.7	351.2	249.3	176.9	171.2	204.0	201.0	184.4	185.1	124.0	168.2	149.5	188.5	49.5	306.06
34 Diseases of Other Parts of the Digestive System	1096.7	688.5	832.4	946.2	1072.2	1118.5	1233.0	1600.9	1702.3	1991.7	2443.9	2905.1	3416.8	3555.7	4541.9	5235.0	5538.5	6640.2	1623.84
35 Diseases of Urinary System	271.3	173.8	106.8	180.7	817.2	1029.8	476.2	411.2	1313.0	2369.3	1927.3	2077.1	2453.8	2098.3	1563.0	1730.7	2545.3	3270.5	909.19
36 Diseases of Male Genital Organs	730.5	346.0	195.9	206.2	229.6	228.4	249.3	245.4	246.5	243.6	448.5	761.9	1231.5	1633.1	1948.5	2371.7	2286.1	2031.7	475.46

APPENDIX TABLE IV
AGE-SPECIFIC AND CRUDE HOSPITAL DISCHARGE RATES IN WESTERN AUSTRALIAN FEMALES IN 1981
BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

APPENDIX TABLE V
NUMBERS OF HOSPITAL DISCHARGES OF WESTERN AUSTRALIAN MALES IN 1981
BY AGE AND PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																			Total	
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown		
21 MENTAL DISORDERS																					
Alcohol and Drug Related (291,292,303-305)	-	-	4	27	131	248	246	354	306	306	344	212	104	71	46	19	2	1	4	2425	
Other Psychoses (290,293-299)	-	-	2	24	63	71	63	41	25	25	26	35	38	41	63	66	35	18	-	636	
Other Neurotic & Personality Disorders (300-302,306-316)	23	8	17	56	105	119	174	149	105	88	101	81	68	60	38	35	22	3	1	1253	
Mental Retardation (317-319)	1	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	
22 DISEASES OF THE NERVOUS SYSTEM																					
Inflammatory Diseases (320-326)	61	35	18	12	12	14	6	4	6	3	2	2	2	5	1	2	-	-	-	185	
Hereditary and Degenerative Diseases (330-337)	8	3	3	7	11	10	9	17	13	27	21	42	46	50	69	54	31	10	1	432	
Multiple Sclerosis and Other Demyelinating Diseases (340,341)	-	-	1	1	-	3	2	2	4	10	7	14	1	3	2	-	-	-	-	50	
Paralytic Syndromes (342-344)	8	10	8	12	9	13	7	4	2	5	9	11	17	35	39	24	13	8	1	235	
Other (345-359)	41	71	89	96	128	170	145	175	119	131	123	101	92	92	67	44	11	3	1	1699	
23 DISORDERS OF THE EYE AND ADNEXA																					
Disorders of the Retina and Choroid (361-363)	1	2	5	12	7	16	16	13	14	9	10	12	20	24	20	7	5	2	-	195	
Glucoma (365)	4	2	1	-	5	2	4	2	-	8	6	8	-	24	15	27	25	10	4	-	147
Cataract (366)	3	6	1	4	1	6	9	7	11	22	25	68	60	110	137	122	95	40	-	727	
Other (360,364,367-379)	320	141	85	65	97	79	101	59	84	94	90	95	87	95	87	67	31	22	2	1701	
29 CEREBROVASCULAR DISEASE																					
Subarachnoid Haemorrhage (430)	-	-	-	1	4	4	3	5	5	5	8	5	7	-	-	-	1	-	-	48	
Other (431-438)	4	1	3	3	7	5	8	10	38	42	76	121	167	228	261	221	113	66	-	1374	
30 OTHER DISEASES OF THE CIRCULATORY SYSTEM																					
Diseases of Arteries, Arterioles and Capillaries (440-448)	-	-	1	1	5	3	10	9	16	37	62	130	131	185	185	164	51	20	-	1010	
Venous Thrombosis and Phlebitis (451-453)	-	-	-	4	10	10	6	9	16	17	23	28	20	31	16	27	13	3	1	234	
Varicose Veins and Haemorrhoids (454-456)	3	1	6	28	80	142	189	201	198	173	166	150	107	91	66	58	16	5	2	1682	
Other (457-459)	-	-	1	1	3	2	2	1	5	4	3	7	8	10	18	10	4	4	-	83	
31 DISEASES OF THE UPPER RESPIRATORY TRACT																					
Acute Infections (460-465)	1373	353	110	59	62	54	37	14	13	9	14	17	15	15	16	16	8	1	1	2187	
Other (470-478)	398	810	412	345	287	310	261	194	144	141	116	107	55	64	27	17	3	4	2	3697	
32 OTHER DISEASES OF THE RESPIRATORY SYSTEM																					
Acute Infections (466,480-487)	966	211	93	79	69	66	74	52	57	64	88	94	96	123	133	145	101	63	4	2578	
Asthma (493)	891	682	291	107	74	53	37	25	41	35	69	69	69	78	55	35	16	7	3	2637	
Chronic Bronchitis and Emphysema (490-492,496)	95	20	11	6	12	10	13	15	21	27	75	121	185	270	305	252	116	60	1	1615	
Pneumoconiosis (500-508)	5	-	-	-	1	1	1	2	-	4	4	4	1	4	7	6	3	-	-	43	
Other (494,495,510-519)	502	92	.45	52	59	57	65	62	48	65	75	111	106	143	156	135	80	49	1	1903	

APPENDIX TABLE VI
NUMBERS OF HOSPITAL DISCHARGES OF WESTERN AUSTRALIAN FEMALES IN 1981
BY AGE AND PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																			Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown	
21 MENTAL DISORDERS																				
Alcohol and Drug Related (291,292,303-305)	-	1	4	29	41	66	53	35	67	49	43	41	11	25	12	7	2	-	1	487
Other Psychoses (290,293-299)	-	1	5	21	52	78	63	76	66	61	45	54	47	57	58	94	48	50	1	877
Other Neurotic & Personality Disorders (300-302,306-316)	16	6	31	174	270	313	395	332	286	237	190	160	151	128	101	68	35	9	1	2903
Mental Retardation (317-319)	2	3	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	9
22 DISEASES OF THE NERVOUS SYSTEM																				
Inflammatory Diseases (320-326)	36	10	8	12	10	15	13	14	4	6	3	5	3	1	1	1	1	1	-	144
Hereditary and Degenerative Diseases (330-337)	7	2	1	4	13	10	10	13	10	11	18	21	25	31	58	29	27	8	1	299
Multiple Sclerosis and Other Demyelinating Diseases (340,341)	-	-	2	1	4	6	35	21	22	22	16	12	1	1	4	2	-	-	-	149
Paralytic Syndromes (342-344)	9	6	9	3	2	3	4	3	6	7	4	10	8	19	19	13	11	6	-	142
Other (345-359)	43	37	71	108	140	203	222	191	157	167	156	149	127	102	61	49	28	11	8	2030
23 DISORDERS OF THE EYE AND ADNEXA																				
Disorders of the Retina and Choroid (361-363)	2	1	5	2	11	4	5	8	4	12	15	15	13	23	17	20	4	3	-	164
Glaucoma (365)	1	1	1	2	1	-	4	3	3	2	5	7	19	34	24	49	14	4	-	174
Cataract (366)	1	3	4	1	2	2	2	3	6	17	29	44	82	113	163	204	118	74	1	869
Other (360,364,367-379)	346	125	79	73	63	77	83	79	62	64	65	68	62	82	63	64	47	32	-	1534
29 CEREBROVASCULAR DISEASE																				
Subarachnoid Haemorrhage (430)	-	1	-	-	1	4	5	-	4	6	8	9	5	5	6	1	2	2	-	59
Other (431-438)	-	-	2	2	6	7	15	8	12	30	37	78	84	131	191	233	163	107	-	1106
30 OTHER DISEASES OF THE CIRCULATORY SYSTEM																				
Diseases of Arteries, Arterioles and Capillaries (440-448)	2	-	1	3	1	5	7	4	12	11	27	37	71	78	67	90	50	22	-	488
Venous Thrombosis and Phlebitis (451-453)	1	-	1	9	16	14	20	14	22	11	19	27	18	27	31	27	12	7	-	276
Varicose Veins and Haemorrhoids (454-456)	-	1	3	22	58	162	319	341	296	219	208	203	142	108	70	38	30	21	-	2241
Other (457-459)	-	1	3	2	-	10	5	8	3	6	8	7	9	18	10	19	13	5	-	127
31 DISEASES OF THE UPPER RESPIRATORY TRACT																				
Acute Infections (460-465)	934	200	120	101	91	85	49	23	12	17	32	30	16	16	22	8	21	7	-	1784
Other (470-478)	267	738	486	507	344	259	216	146	134	90	72	74	61	28	22	12	2	-	-	3458
32 OTHER DISEASES OF THE RESPIRATORY SYSTEM																				
Acute Infections (466,480-487)	708	165	75	69	71	72	63	43	55	57	62	60	80	106	104	89	61	48	2	1990
Asthma (493)	527	435	218	125	157	124	100	91	89	77	119	73	60	90	62	42	27	16	2	2434
Chronic Bronchitis and Emphysema (490-492,496)	45	12	6	23	26	27	20	19	36	31	51	64	86	113	120	61	55	21	-	818
Pneumoconiosis (500-508)	7	1	-	-	-	-	2	1	-	-	-	-	4	2	1	3	-	1	-	22
Other (494,495,510-519)	428	85	45	52	61	90	65	46	60	76	60	94	87	136	104	79	72	52	2	1694

APPENDIX TABLE VII
AGE-SPECIFIC AND CRUDE HOSPITAL DISCHARGE RATES PER 100,000 PERSON-YEARS IN WESTERN AUSTRALIA
MALES IN 1981 BY PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																		Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
21 MENTAL DISORDERS																			
Alcohol and Drug Related	-	-	6.4	46.0	221.2	422.8	426.0	782.7	794.0	931.9	1064.1	737.6	481.5	366.9	322.4	202.9	47.1	49.5	369.43
(291,292,303-305)																			
Other Psychoses (290,293-299)	-	-	3.2	40.9	106.3	121.0	109.1	90.6	64.8	76.1	80.4	121.7	175.9	211.9	441.5	705.1	824.8	891.9	96.89
Other Neurotic & Personality																			
Disorders (300-302,306-316)	42.7	13.7	27.5	95.4	177.3	202.9	301.3	329.4	272.4	268.0	312.4	281.6	314.8	310.0	266.3	373.9	518.5	148.6	190.88
Mental Retardation (317-319)	1.8	3.4	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	0.60
22 DISEASES OF THE NERVOUS SYSTEM																			
Inflammatory Diseases (320-326)	113.3	60.2	29.1	20.4	20.2	23.8	10.3	8.8	15.5	9.1	6.1	6.9	9.2	25.8	7.0	21.3	-	-	28.18
Hereditary and Degenerative																			
Diseases (330-337)	14.8	5.1	4.8	11.9	18.5	17.0	15.5	37.5	33.7	82.2	64.9	146.1	212.9	258.4	483.6	576.9	730.6	495.5	65.81
Multiple Sclerosis and Other																			
Demyelinating Diseases (340,341)	-	-	1.6	1.7	-	5.1	3.4	4.4	10.3	30.4	21.6	48.7	4.6	15.5	14.0	-	-	-	7.61
Paralytic Syndromes (342-344)	14.8	17.2	12.9	20.4	15.2	22.1	12.1	8.8	5.1	15.2	27.8	38.2	78.7	180.8	273.3	256.4	306.3	396.4	35.80
Other (345-359)	76.2	122.2	144.1	163.6	216.1	289.8	251.1	386.9	308.8	398.9	380.5	351.4	425.9	475.4	469.6	470.0	259.2	148.6	258.83
23 DISORDERS OF THE EYE AND ADNEXA																			
Disorders of the Retina and																			
Choroid (361-363)	1.8	3.4	8.1	20.4	11.8	27.2	27.7	28.7	36.3	27.4	30.9	41.7	92.6	124.0	140.1	74.7	117.8	99.1	29.70
Glaucoma (365)	7.4	3.4	1.6	-	8.4	3.4	6.9	4.4	-	24.3	18.5	27.8	111.1	77.5	189.2	267.0	235.6	198.2	22.39
Cataract (366)	5.5	10.3	1.6	6.8	1.6	10.2	15.5	15.4	28.5	67.0	77.3	236.5	277.7	568.5	960.2	1303.4	2238.9	1982.1	110.75
Other (360,364,367-379)	594.8	242.7	137.6	110.8	163.8	134.7	174.9	130.4	217.9	286.2	278.4	330.5	402.8	490.9	609.8	715.8	730.6	1090.1	259.13
29 CEREBROVASCULAR DISEASE																			
Subarachnoid Haemorrhage (430)	-	-	-	1.7	6.7	6.8	5.2	11.0	12.9	15.2	24.7	17.4	32.4	-	-	-	23.5	-	7.31
Other (431-438)	7.4	1.7	4.8	5.1	11.8	8.5	13.8	22.1	98.6	127.9	235.1	420.9	773.1	1178.3	1829.4	2361.1	2663.2	3270.5	209.32
30 OTHER DISEASES OF THE CIRCULATORY SYSTEM																			
Diseases of Arteries, Arterioles and Capillaries (440-448)	-	-	1.6	1.7	8.4	5.1	17.3	19.9	41.5	112.6	191.8	452.3	606.5	956.1	1296.7	1752.1	1201.9	991.0	153.86
Venous Thrombosis and Phlebitis (451-453)	-	-	-	6.8	16.8	17.0	10.3	19.9	41.5	51.7	71.1	97.4	92.6	160.2	112.1	288.4	306.3	148.6	35.64
Varicose Veins and Haemorrhoids (454-456)	5.5	1.7	9.7	47.7	135.0	242.1	327.3	444.4	513.8	526.8	513.5	521.8	495.3	470.3	462.6	619.6	377.0	247.7	256.24
Other (457-459)	-	-	1.6	1.7	5.0	3.4	3.4	2.2	12.9	12.1	9.2	24.3	37.0	51.6	126.1	106.8	94.2	198.2	12.64
31 DISEASES OF THE UPPER RESPIRATORY TRACT																			
Acute Infections (460-465)	2552.1	607.6	178.1	100.5	104.6	92.0	64.0	30.9	33.7	27.4	43.3	59.1	69.4	77.5	112.1	170.9	188.5	49.5	333.17
Other (470-478)	739.8	1394.3	667.2	588.1	484.6	528.5	452.0	428.9	373.6	429.4	358.8	372.2	254.6	330.7	189.2	181.6	70.7	198.2	563.22
32 OTHER DISEASES OF THE RESPIRATORY SYSTEM																			
Acute Infections (466,480-487)	1795.6	363.2	150.6	134.6	116.5	112.5	128.1	114.9	147.9	194.9	272.2	327.0	444.4	635.6	932.2	1549.1	2380.3	3121.9	392.74
Asthma (493)	1656.2	1174.0	471.2	182.4	124.9	90.3	64.0	55.2	106.3	106.5	213.4	240.0	319.4	403.1	385.5	373.9	377.0	346.8	401.73
Chronic Bronchitis and Emphysema (490-492,496)	176.5	34.4	17.8	10.2	20.2	17.0	22.5	33.1	54.4	82.2	232.0	420.9	856.5	1395.6	2137.8	2692.3	2733.9	2973.2	246.03
Pneumoconiosis (500-508)	9.2	-	-	-	1.6	1.7	1.7	4.4	-	12.1	12.3	13.9	4.6	20.6	49.0	64.1	70.7	-	6.55
Other (494,495,510-519)	933.1	158.3	72.8	88.6	99.6	97.1	112.5	137.1	124.5	197.9	232.0	386.1	490.7	739.0	1093.4	1442.3	1885.4	2428.1	289.91

APPENDIX TABLE VIII
AGE-SPECIFIC AND CRUDE HOSPITAL DISCHARGE RATES PER 100,000 PERSON-YEARS IN WESTERN AUSTRALIA
FEMALES IN 1981 BY PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP																		Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
21 MENTAL DISORDERS																			
Alcohol and Drug Related																			
(291,292,303-305)	-	1.8	6.8	51.0	71.7	117.2	97.1	83.0	186.1	159.9	142.3	148.5	47.3	114.2	68.7	57.8	27.4	-	75.77
Other Psychoses (290,293-299)	-	1.8	8.5	36.9	90.9	138.6	115.5	180.3	183.4	199.1	148.9	195.5	202.1	260.5	332.0	777.0	659.5	995.0	136.45
Other Neurotic & Personality Disorders (300-302,306-316)	31.6	10.8	53.2	306.4	472.3	556.2	724.1	787.9	794.7	773.5	628.8	579.5	649.3	585.1	578.2	562.1	480.9	179.1	451.69
Mental Retardation (317-319)	3.9	5.4	1.7	-	-	-	1.8	2.3	2.7	-	-	-	-	-	-	-	-	-	1.40
22 DISEASES OF THE NERVOUS SYSTEM																			
Inflammatory Diseases (320-326)	71.1	18.0	13.7	21.1	17.5	26.6	23.8	33.2	11.1	19.5	9.9	18.1	12.9	4.5	5.7	8.2	13.7	19.9	22.40
Hereditary and Degenerative Diseases (330-337)	13.8	3.6	1.7	7.0	22.7	17.7	18.3	30.8	27.7	35.9	59.5	76.0	107.5	141.7	332.0	239.7	370.9	159.2	46.52
Multiple Sclerosis and Other Demyelinating Diseases (340,341)	-	-	3.4	1.7	7.0	10.6	64.1	49.8	61.1	71.8	52.9	43.4	4.3	4.5	22.9	16.5	-	-	23.18
Paralytic Syndromes (342-344)	17.7	10.8	15.4	5.2	3.5	5.3	7.3	7.1	16.6	22.8	13.2	36.2	34.4	86.8	108.7	107.4	151.1	119.4	22.09
Other (345-359)	84.9	66.6	121.9	190.1	244.9	360.7	407.0	453.3	436.2	545.0	516.2	539.6	546.1	466.2	349.2	405.0	384.7	218.9	315.85
23 DISORDERS OF THE EYE AND ADNEXA																			
Disorders of the Retina and Choroid (361-363)	3.9	1.8	8.5	3.5	19.2	7.1	9.1	18.9	11.1	39.1	49.6	54.3	55.9	105.1	97.3	165.3	54.9	59.7	25.51
Choroid (361-363)	3.9	1.8	8.5	3.5	19.2	7.1	9.1	18.9	11.1	39.1	49.6	54.3	55.9	105.1	97.3	165.3	54.9	59.7	25.51
Glaucoma (365)	1.9	1.8	1.7	3.5	1.7	-	7.3	7.1	8.3	6.5	16.5	25.3	81.7	155.4	137.4	405.0	192.3	79.6	27.07
Cataract (366)	1.9	5.4	6.8	1.7	3.5	3.5	3.6	7.1	16.6	55.4	95.9	159.3	352.6	516.5	933.1	1686.3	1621.3	1472.6	135.21
Other (360,364,367-379)	683.6	225.2	135.6	128.5	110.2	136.8	152.1	187.5	172.2	208.9	215.1	246.3	266.6	374.8	360.6	529.0	645.7	636.8	238.68
29 CEREBROVASCULAR DISEASE																			
Subarachnoid Haemorrhage (430)	-	1.8	-	-	1.7	7.1	9.1	-	11.1	19.5	26.4	32.6	21.5	22.8	34.3	8.2	27.4	39.8	9.18
Other (431-438)	-	-	3.4	3.5	10.5	12.4	27.5	18.9	33.3	97.9	122.4	282.5	361.2	598.8	1093.4	1926.1	2239.6	2129.3	172.08
30 OTHER DISEASES OF THE CIRCULATORY SYSTEM																			
Diseases of Arteries, Arterioles and Capillaries (440-448)	3.9	-	1.7	5.2	1.7	8.8	12.8	9.4	33.3	35.9	89.3	134.0	305.3	356.5	383.5	743.9	687.0	437.8	75.93
Venous Thrombosis and Phlebitis (451-453)	1.9	-	1.7	15.8	27.9	24.8	36.6	33.2	61.1	35.9	62.8	97.7	77.4	123.4	177.4	223.2	164.8	139.3	42.94
Varicose Veins and Haemorrhoids (454-456)	-	1.8	5.1	38.7	101.4	287.8	584.8	809.3	822.5	714.8	688.3	735.2	610.6	493.6	400.7	314.1	412.2	417.9	348.69
Other (457-459)	-	1.8	5.1	3.5	-	17.7	9.1	18.9	8.3	19.5	26.4	25.3	38.7	82.2	57.2	157.0	178.6	99.5	19.76
31 DISEASES OF THE UPPER RESPIRATORY TRACT																			
Acute Infections (460-465)	1845.5	360.3	206.0	177.8	159.2	151.0	89.8	54.5	33.3	55.4	105.9	108.6	68.8	73.1	125.9	66.1	288.5	139.3	277.58
Other (470-478)	527.5	1329.7	834.4	892.8	601.8	460.2	396.0	346.5	372.3	293.7	238.2	268.0	262.3	127.9	125.9	99.2	27.4	-	538.05
32 OTHER DISEASES OF THE RESPIRATORY SYSTEM																			
Acute Infections (466,480-487)	1398.9	297.3	128.7	121.5	124.2	127.9	115.5	102.0	152.8	186.0	205.1	217.3	344.0	484.5	595.4	735.7	838.1	955.2	309.63
Asthma (493)	1041.3	783.8	374.3	220.1	274.6	220.3	183.3	215.9	247.3	251.3	393.8	264.4	258.0	411.4	354.9	347.1	370.9	318.4	378.72
Chronic Bronchitis and Emphysema (490-492,496)	88.9	21.6	10.3	40.5	45.4	47.9	36.6	45.1	100.0	101.1	168.7	231.8	369.8	516.5	687.0	504.2	755.7	417.9	127.27
Pneumoconiosis (500-508)	13.8	1.8	-	-	-	-	3.6	2.3	-	-	-	17.2	9.1	5.7	24.8	-	19.9	3.42	
Other (494,495,510-519)	845.7	153.1	77.2	91.5	106.7	159.9	119.1	109.1	166.7	248.0	198.5	340.4	374.1	621.6	595.4	653.0	989.2	1034.8	263.57

APPENDIX TABLE IX

NUMBERS OF HOSPITAL DISCHARGES AND INPATIENT BED-DAYS OF WESTERN AUSTRALIAN MALES AND FEMALES IN 1981 BY PRINCIPAL CONDITION (ICD-9 THREE DIGIT RUBRICS)

Principal condition	Discharges		Bed days	
	Males	Females	Males	Females
I INFECTIOUS AND PARASITIC DISEASES				
01 Intestinal Infectious Diseases				
002 Typhoid and paratyphoid fevers	3	1	18	13
003 Other salmonella infections	39	40	270	247
004 Shigellosis	32	22	266	199
005 Other food poisoning (bacterial)	11	4	28	41
006 Amoebiasis	5	1	50	1
007 Other protozoal intestinal diseases	38	30	263	205
008 Intestinal infections due to other organisms	149	132	522	401
009 Ill-defined intestinal infections	1593	1647	7336	6707
02 Tuberculosis				
011 Pulmonary tuberculosis	52	28	2276	799
012 Other respiratory tuberculosis	1	-	1	-
016 Tuberculosis of genitourinary system	-	2	-	2
017 Tuberculosis of other organs	3	7	46	65
018 Miliary tuberculosis	3	1	90	5
03 Other Bacterial Diseases				
023 Brucellosis	-	1	-	5
030 Leprosy	9	8	1045	1081
031 Diseases due to other mycobacteria	18	14	656	504
033 Whooping cough	30	31	227	140
034 Streptococcal sore throat and scarlatina	15	14	62	50
035 Erysipelas	9	12	40	123
037 Tetanus	3	-	74	-
038 Septicaemia	90	90	1036	1204
039 Actinomycotic infections	1	5	1	164
040 Other bacterial diseases	3	-	90	-
041 Bacterial infection in conditions classified elsewhere and of unspecified site	10	5	92	20
04 Viral Diseases				
051 Cowpox and paravaccinia	1	-	12	-
052 Chickenpox	36	19	176	73
053 Herpes zoster	59	71	474	695
054 Herpes simplex	34	39	165	157
055 Measles	79	62	404	244
056 Rubella	7	6	27	18
057 Other viral exanthemata	1	2	3	8
065 Arthropod-borne haemorrhagic fever	1	-	1	-
066 Other arthropod-borne viral diseases	-	2	-	16
072 Mumps	24	20	96	58
073 Ornithosis	-	5	-	46
074 Specific diseases due to Coxsackie virus	6	4	31	20
075 Infectious mononucleosis	76	76	338	475
076 Trachoma	1	-	1	-
077 Other diseases of conjunctiva due to viruses and Chlamydiae	-	2	-	4
078 Other diseases due to viruses and Chlamydiae	572	885	1241	1464
079 Viral infection in conditions classified elsewhere and unspecified site	498	478	1587	1609
05 Rickettsiosis and Other Arthropod-borne Diseases				
081 Other typhus	2	-	18	-
082 Tick-borne rickettsiosis	-	1	-	2
083 Other rickettsiosis	3	-	45	-
084 Malaria	27	6	301	24
06 Venereal Diseases				
090 Congenital syphilis	-	1	-	15
091 Early syphilis, symptomatic	12	6	18	21
094 Neurosyphilis	7	3	106	74
097 Other and unspecified syphilis	3	8	23	47
098 Gonococcal infections	4	10	18	50
099 Other venereal diseases	16	30	272	238
07 Other Infectious and Parasitic Diseases and Late Effects of Infectious and Parasitic Diseases				
100 Leptospirosis	4	1	14	2
101 Vincent's angina	3	-	22	-
110 Dermatophytosis	24	4	335	55
111 Dermatomycosis, other and unspecified	-	2	-	10
112 Candidiasis	19	37	63	200
117 Other mycoses	3	7	33	61
120 Schistosomiasis (bilharziasis)	1	1	14	2
121 Other trematode infections	-	1	-	1
122 Echinococcosis	4	-	44	-
123 Other cestode infection	2	5	39	25
125 Filarial infection and dracontiasis	2	1	14	4

APPENDIX TABLE IX continued

Principal condition	Discharges		Bed days	
	Males	Females	Males	Females
271 Disorders of carbohydrate transport & metabolism	8	2	62	11
272 Diseases of lipid metabolism	3	7	37	30
273 Disorders of plasma protein metabolism	10	3	52	8
274 Gout	120	23	1138	163
275 Disorders of mineral metabolism	15	14	129	194
276 Disorders of fluid, electrolyte and acid-base balance	107	124	744	901
277 Other and unspecified disorders of metabolism	41	61	273	473
278 Obesity and other hyperalimentation	40	477	501	6010
279 Disorders involving the immune mechanism	4	3	64	11
19 Nutritional Deficiencies				
261 Nutritional marasmus	1	2	16	27
262 Other severe protein-calorie malnutrition	-	3	-	49
263 Other and unspecified protein-calorie malnutrition	28	14	450	228
265 Thiamine and niacin deficiency states	12	4	240	47
266 Deficiency of B-complex components	4	4	75	76
268 Vitamin D deficiency	1	4	8	56
269 Other nutritional deficiencies	3	2	28	13
IV DISEASES OF BLOOD AND BLOOD-FORMING ORGANS				
20 Diseases of Blood and Blood-Forming Organs				
280 Iron deficiency anaemias	91	118	643	1106
281 Other deficiency anaemias	16	13	179	171
282 Hereditary haemolytic anaemias	86	61	248	128
283 Acquired haemolytic anaemias	5	10	21	101
284 Aplastic anaemia	31	32	240	205
285 Other and unspecified anaemia	234	338	1232	2806
286 Coagulation defects	43	4	342	16
287 Purpura and other haemorrhagic conditions	45	45	366	350
288 Diseases of white blood cells	9	9	44	184
289 Other diseases of blood and blood forming-organs	195	168	839	599
V MENTAL DISORDERS				
21 Mental Disorders				
290 Senile and presenile organic psychotic conditions	131	115	3481	4198
291 Alcoholic psychoses	192	23	1489	169
292 Drug psychoses	13	10	153	106
293 Transient organic psychotic conditions	38	52	340	851
294 Other organic psychotic conditions (chronic)	6	3	103	150
295 Schizophrenic psychoses	164	153	3956	3674
296 Affective psychoses	154	337	3961	8759
297 Paranoid states	27	40	391	564
298 Other nonorganic psychoses	116	175	1289	2565
299 Psychoses with origin specific to childhood	-	2	-	8
300 Neurotic disorders	476	1183	4445	13648
301 Personality disorders	56	73	677	920
302 Sexual Deviations and Disorders	59	9	151	60
303 Alcohol dependence syndrome	1998	337	29701	5697
304 Drug dependence	79	43	556	482
305 Nondependent abuse of drugs	143	74	274	164
306 Physiological malfunction arising from mental factors	18	33	150	200
307 Special symptoms or syndromes not elsewhere classified	44	105	225	1525
308 Acute reactions to stress	59	174	411	1121
309 Adjustment reaction	31	58	300	753
310 Specific nonpsychotic mental disorders following organic brain damage	54	38	301	319
311 Depressive disorder not elsewhere classified	428	1205	7808	16799
312 Disturbances of conduct not elsewhere classified	16	16	95	197
313 Disturbances of emotions specific to childhood and adolescence	17	16	45	112
314 Hyperkinetic syndrome of childhood	1	3	6	4
315 Specific delays in development	3	-	11	-
316 Psychic factors associated with diseases classified elsewhere	2	1	4	10
317 Mild mental retardation	-	3	-	25
318 Other specified mental retardation	-	1	-	5
319 Unspecified mental retardation	4	5	9	30
VI DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS				
22 Diseases of the Nervous System				
320 Bacterial Meningitis	36	30	547	385
321 Meningitis due to other organisms	67	52	379	333
322 Meningitis of unspecified cause	26	19	191	277
323 Encephalitis, myelitis and encephalomylitis	44	38	397	307
324 Intracranial and intraspinal abscess	4	2	87	88
326 Late effects of intracranial abscess or pyogenic infection	8	3	133	8
330 Cerebral degenerations usually manifest in childhood	4	2	27	317
331 Other cerebral degenerations	65	37	1584	598
332 Parkinson's disease	167	115	4805	2353
333 Other extrapyramidal disease and abnormal movement disorders	15	26	171	261

APPENDIX TABLE X
HOSPITAL INPATIENT BED-DAYS OF WESTERN AUSTRALIAN MALES IN 1981
BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP					TOTAL
	0-14	15-44	45-64	65+	UNKNOWN	
01 Intestinal infectious diseases	7056	811	429	457	-	8753
02 Tuberculosis	21	619	979	794	-	2413
03 Other bacterial diseases	321	540	890	1573	-	3323
04 Viral diseases	2345	1290	362	559	-	4556
05 Rickettsiosis and other arthropod-borne diseases	13	108	232	11	-	364
06 Venereal diseases	-	315	86	36	-	437
07 Other infectious and parasitic diseases and late effects of infectious and parasitic diseases	774	314	155	271	-	1514
08 Malignant neoplasm of lip, oral cavity and pharynx	-	66	741	717	-	1524
09 Malignant neoplasm of digestive organs and peritoneum	6	489	3352	7050	-	10897
10 Malignant neoplasm of respiratory and intrathoracic organs	-	279	4729	7727	-	12735
11 Malignant neoplasm of bone, connective tissue, skin and breast	85	1487	2654	3586	-	7812
12 Malignant neoplasm of genitourinary organs	20	474	1680	6609	-	8783
13 Malignant neoplasm of other unspecified sites	294	1461	3410	5356	-	10521
14 Malignant neoplasm of lymphatic and haemopoietic tissue	141	886	1844	1436	-	4307
15 Benign neoplasm	635	736	974	918	-	3263
16 Carcinoma in situ	6	4	48	123	-	181
17 Other and unspecified neoplasm	63	485	801	784	-	2133
18 Endocrine and metabolic diseases, immunity disorders	760	1916	2964	4758	24	10422
19 Nutritional deficiencies	97	78	232	410	-	817
20 Diseases of blood and blood-forming organs	766	846	868	1674	-	4154
21 Mental disorders	189	30485	20214	9439	5	60332
22 Diseases of the nervous system	2059	6443	9815	13602	48	32003
23 Disorders of the eye and adnexa	2357	2655	4211	8448	21	17692
24 Diseases of the ear and mastoid process	3523	1545	845	303	-	6216
25 Rheumatic fever and rheumatic heart disease	340	285	162	158	2	947
26 Hypertensive disease	23	927	2027	2535	-	5512
27 Ischaemic heart disease	9	2559	16955	16108	1	35632
28 Diseases of pulmonary circulation and other forms of heart disease	68	1566	6701	20070	1	28406
29 Cerebrovascular disease	61	1493	9764	25116	-	36434
30 Other diseases of the circulatory system	34	5684	10316	16097	10	32141
31 Diseases of the upper respiratory tract	9896	5821	1817	829	14	18377
32 Other diseases of the respiratory system	16124	6104	11765	33290	61	67344
33 Diseases of oral cavity, salivary glands and jaws	1063	2509	557	337	-	4466
34 Diseases of other parts of the digestive system	5868	22246	23132	20726	33	72005
35 Diseases of urinary system	1949	4768	6545	6265	1	19528
36 Diseases of male genital organs	1927	2786	4652	9483	1	18849
37 Diseases of female genital organs	38	251	58	63	-	410
38 Abortion	-	-	-	-	-	-
39 Direct obstetric causes	-	-	-	-	-	-
40 Indirect obstetric causes	-	-	-	-	-	-
41 Normal delivery	-	-	-	-	-	-
42 Diseases of skin and subcutaneous tissue	4293	11590	6706	8538	45	31172
43 Diseases of the musculoskeletal system & connective tissue	3499	28504	22483	20347	9	74842
44 Congenital anomalies	7033	1451	569	93	1	9147
45 Certain conditions originating in the perinatal period	10364	-	-	-	-	10364
46 Signs, symptoms and ill-defined conditions	9239	11669	13263	23418	5	57594
47 Fractures	6429	26102	7158	12220	17	51926
48 Dislocations, sprains and strains	214	7770	1946	492	3	10425
49 Intracranial and internal injuries including nerves	2203	7614	1968	838	22	12645
50 Open wounds and injury to blood vessels	2529	8521	1795	1045	7	13897

APPENDIX TABLE X continued

PRINCIPAL CONDITION	AGE GROUP					TOTAL
	0-14	15-44	45-64	65+	UNKNOWN	
51 Effects of foreign body entering through orifice	285	257	136	119	-	797
52 Burns	2573	3510	1209	1378	-	8670
53 Poisonings and toxic effects	730	2129	767	523	5	4154
54 Complications of medical and surgical care	828	2165	2557	3103	-	8653
55 Other injuries, early complications of trauma	1857	7524	2041	1096	-	12518
56 Late effects of injuries, of poisonings, of toxic effects and of other external causes	449	1222	188	30	-	1889
 EXTERNAL CAUSES (Alternative classification of categories 47-56)						
E47 Transport accidents	3791	23010	3314	2144	20	32279
E48 Accidental poisoning	519	306	159	198	1	1183
E49 Misadventures during medical care, abnormal reactions, late complications	1108	3316	5649	7318	-	17391
E50 Accidental falls	2079	5011	3625	5364	1	16080
E51 Accidents caused by fire and flames	668	551	415	155	-	1789
E52 Other accidents, including late effects	10712	38012	11311	11782	52	71869
E53 Drugs, medicaments causing adverse effects in therapeutic use	151	380	930	1261	-	2722
E54 Suicide and self-inflicted injury	24	2422	615	442	3	3506
E55 Homicide and injury purposely inflicted by other persons	104	2965	484	158	2	3713
E56 Other violence	64	153	124	29	-	370
V0 Other reasons for contact with health services	5461	10377	6601	15893	34	38366
TOTAL	116917	241736	226389	316850	370	902262

APPENDIX TABLE XI
HOSPITAL INPATIENT BED-DAYS OF WESTERN AUSTRALIAN FEMALES IN 1981

BY AGE AND PRINCIPAL CONDITION (ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP					TOTAL
	0-14	15-44	45-64	65+	UNKNOWN	
01 Intestinal infectious diseases	4877	1268	493	1175	1	7814
02 Tuberculosis	26	215	475	155	-	871
03 Other bacterial diseases	205	377	1896	813	-	3291
04 Viral diseases	1578	1890	505	903	11	4887
05 Rickettsiosis and other arthropod-borne diseases	4	22	-	-	-	26
06 Venereal diseases	33	149	190	73	-	445
07 Other infectious and parasitic diseases and late effects of infectious and parasitic diseases	604	282	88	184	-	1158
08 Malignant neoplasm of lip, oral cavity and pharynx	-	11	950	266	-	1227
09 Malignant neoplasm of digestive organs and peritoneum	24	213	2300	5075	-	7612
10 Malignant neoplasm of respiratory and intrathoracic organs	-	198	1429	1660	-	3287
11 Malignant neoplasm of bone, connective tissue, skin and breast	19	2107	5077	5168	-	12371
12 Malignant neoplasm of genitourinary organs	38	1427	2593	3555	-	7613
13 Malignant neoplasm of other unspecified sites	64	791	4441	4651	-	9947
14 Malignant neoplasm of lymphatic and haemopoietic tissue	141	600	1363	1874	-	3978
15 Benign neoplasm	600	2856	1931	734	-	6121
16 Carcinoma in situ	-	178	69	71	-	318
17 Other and unspecified neoplasm	64	608	1210	725	-	2607
18 Endocrine and metabolic diseases, immunity disorders	722	6280	8024	8084	12	23122
19 Nutritional deficiencies	77	18	122	279	-	496
20 Diseases of blood and blood-forming organs	584	950	859	3273	-	5666
21 Mental disorders	661	29208	15604	17638	4	63115
22 Diseases of the nervous system	1679	6786	7172	9746	26	25409
23 Disorders of the eye and adnexa	1980	2097	3404	9621	13	17115
24 Diseases of the ear and mastoid process	2989	1688	1134	519	2	6332
25 Rheumatic fever and rheumatic heart disease	416	541	396	420	-	1773
26 Hypertensive disease	29	1078	2397	5503	-	9007
27 Ischaemic heart disease	-	341	5371	12895	4	18611
28 Diseases of pulmonary circulation and other forms of heart disease	298	1477	3877	16776	-	22428
29 Cerebrovascular disease	45	1367	5386	34044	-	40842
30 Other diseases of the circulatory system	63	8309	8535	12789	-	29696
31 Diseases of the upper respiratory tract	8348	6987	1789	978	-	18102
32 Other diseases of the respiratory system	12106	7739	8624	16529	51	45049
33 Diseases of oral cavity, salivary glands and jaws	1243	4244	556	335	-	6378
34 Diseases of other parts of the digestive system	5460	23289	18011	22589	1	69350
35 Diseases of urinary system	2033	7720	5089	5113	-	19955
36 Diseases of male genital organs	-	-	-	-	-	-
37 Diseases of female genital organs	393	52673	18775	5952	3	77796
38 Abortion	30	8894	49	-	-	8973
39 Direct obstetric causes	120	123729	119	-	64	124032
40 Indirect obstetric causes	-	1409	-	-	-	1409
41 Normal delivery	107	61450	16	-	6	61579
42 Diseases of skin and subcutaneous tissue	3526	7532	5557	10954	-	27569
43 Diseases of the musculoskeletal system and connective tissue	3709	24379	27306	37538	22	92954
44 Congenital anomalies	4033	1583	553	221	-	6390
45 Certain conditions originating in the perinatal period	9483	-	-	-	-	9483
46 Signs, symptoms and ill-defined conditions	8977	22097	12368	14665	10	68117
47 Fractures	3959	8592	6811	29702	-	49064
48 Dislocations, sprains and strains	160	2257	943	885	-	4245
49 Intracranial and internal injuries, including nerves	1669	2583	503	940	2	5697
50 Open wounds and injury to blood vessels	1135	2624	1127	1800	11	6697

APPENDIX TABLE XII

HOSPITAL INPATIENT BED-DAYS OF WESTERN AUSTRALIAN MALES IN 1981 BY AGE AND PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP					TOTAL
	0-14	15-44	45-64	65+	Unknown	
21 Mental Disorders						
Alcohol and drug-related (291, 292, 303-305)	5	17273	12733	2068	4	32083
Other psychoses (290, 293-299)	4	5509	3120	4875	-	13508
Other neurotic and personality disorders (300-302, 306-316)	170	7661	4311	2453	1	14596
Mental retardation (317-319)	6	3	-	-	-	9
22 Diseases of the Nervous System						
Inflammatory diseases (320-326)	1080	376	180	98	-	1734
Hereditary and degenerative diseases (330-337)	88	678	2259	6202	6	9233
Multiple sclerosis and other demyelinating diseases (340,341)	7	101	1158	48	-	1314
Paralytic syndromes (342-344)	210	2035	3940	5430	40	11655
Other (345-359)	665	3105	2291	1824	2	7887
23 Disorders of the Eye and Adnexa						
Disorders of the retina and choroid (361-363)	66	445	278	519	-	1308
Glaucoma (365)	20	76	297	732	-	1125
Cataract (366)	90	331	1505	4566	-	6492
Other (360, 364, 367-379)	2127	1686	2125	2590	21	8549
29 Cerebrovascular Disease						
Subarachnoid haemorrhage (430)	-	503	763	6	-	1272
Other (431-438)	61	983	9001	25095	-	35140
30 Other Diseases of the Circulatory System						
Disease of arteries, arterioles and capillaries (440-448)	1	288	4294	11354	-	15937
Venous thrombosis and phlebitis (451-453)	-	358	785	1086	2	2231
Varicose veins and haemorrhoids (454-456)	28	4956	5039	3268	8	13299
Other (457-459)	5	64	136	388	-	593

APPENDIX TABLE XIII

HOSPITAL INPATIENT BED-DAYS OF WESTERN AUSTRALIAN FEMALES IN 1981 BY AGE AND PRINCIPAL CONDITION (SELECTED SUBCLASSIFICATIONS OF THE ICD-9 BASIC TABULATION LIST)

PRINCIPAL CONDITION	AGE GROUP					TOTAL
	0-14	15-44	45-64	65+	Unknown	
21 Mental Disorders						
Alcohol and drug-related (291,292, 303-305)	5	3103	1593	1915	2	6618
Other psychoses (290, 293-299)	75	6521	4008	10099	1	20704
Other neurotic and personality disorders (300-302, 306-316)	540	19537	9974	5557	1	35609
Mental retardation (317-319)	40	20	-	-	-	60
22 Diseases of the Nervous System						
Inflammatory diseases (320-326)	514	452	349	83	-	1398
Hereditary and degenerative diseases (330-337)	397	460	1025	2787	13	4682
Multiple sclerosis and other demyelinating diseases (340, 341)	12	1259	1154	99	-	2524
Paralytic syndromes (342-344)	202	430	1123	3768	-	5523
Other (345-359)	554	4179	3477	2895	13	11118
23 Disorders of the Eye and Adnexa						
Disorders of the retina and choroid (361-363)	30	205	256	569	-	1060
Glaucoma (365)	7	61	223	1080	-	1371
Cataract (366)	33	102	1493	5903	13	7544
Other (360, 364, 367-379)	1910	1716	1432	2068	-	7126
29 Cerebrovascular Disease						
Subarachnoid haemorrhage (430)	29	349	756	712	-	1846
Other (431-438)	16	1018	4630	33257	-	38921

APPENDIX TABLE XXVIII

NUMBER OF HOSPITAL DISCHARGES, AGE-SPECIFIC AND CRUDE DISCHARGE RATES FOR
(291, 303) ALCOHOL-RELATED MENTAL DISORDERS IN WESTERN AUSTRALIA IN 1972, 1976 AND 1981 BY SEX AND AGE

Year of Discharge	AGE GROUP														TOTAL				
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
MALES NUMBERS OF DISCHARGES																			
1972	2	2	-	8	15	22	36	55	84	72	69	59	44	49	26	11	3	2	561*
1976	1	-	8	21	69	113	196	218	198	291	290	159	119	65	35	9	3	6	1807§
1981	-	-	-	11	78	205	215	340	293	290	327	200	98	66	43	19	2	1	2190*
AGE-SPECIFIC DISCHARGE RATES (DISCHARGES PER 100,000 PERSON-YEARS)																			
1972	3.5	3.7	-	16.0	30.7	48.0	96.2	168.1	256.2	229.6	276.2	264.3	224.6	309.0	245.3	211.0	102.2	134.5	102.43
1976	1.8	-	14.2	38.8	128.7	205.7	435.6	571.9	606.4	870.5	962.9	690.2	560.2	377.4	277.9	129.2	103.0	378.8	302.79
1981	-	-	-	18.7	131.7	349.5	372.3	751.8	760.3	883.1	1011.6	695.8	453.7	341.1	301.3	202.9	47.1	49.5	333.63
FEMALES NUMBERS OF DISCHARGES																			
1972	-	-	1	2	8	7	11	12	14	18	22	11	13	2	7	2	-	-	131+
1976	-	1	5	11	17	31	29	30	30	38	46	27	31	21	12	3	1	1	335+
1981	-	-	-	7	21	45	44	29	57	41	35	35	10	20	11	4	-	-	360+
AGE-SPECIFIC DISCHARGE RATES (DISCHARGES PER 100,000 PERSON-YEARS)																			
1972	-	-	1.9	4.1	17.4	17.9	31.9	39.6	47.9	64.0	91.5	48.8	64.7	12.3	57.3	24.8	-	-	25.04
1976	-	1.8	9.4	20.8	33.4	61.6	74.2	85.8	100.1	127.5	167.1	117.1	136.8	113.0	83.1	30.0	17.9	27.6	58.46
1981	-	-	-	12.3	36.7	79.9	80.6	68.8	158.3	133.8	115.8	126.7	43.0	91.4	62.9	33.0	-	-	56.01

*Includes two discharges at unknown age

+Includes one discharge at unknown age

§Includes six discharges at unknown age