HRB Bulletin
National Psychiatric
In-patient Reporting System

CHO 7 Bulletin
2020

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Introduction

This bulletin is a synopsis of data for CHO 7 from the NPIRS for 2020 and that reported in the *National Psychiatric In-patient Reporting System (NPIRS) Annual Report on the Activities of Irish Psychiatric Units and Hospitals 2020* (Daly and Craig 2021). The address from which a person was admitted was used to assign him/her to a CHO area and, thus, CHO area refers to the CHO area of residence of admissions. CHO 7 covers the areas of Dublin South City, Dublin South West and West, West Wicklow and all of county Kildare.

The rates reported below were calculated using the Census of Population 2016 (Central Statistics Office 2017) and all rates are per 100,000 total population. It was not possible to calculate rates for socio-economic groups for each of the CHO areas and, thus, proportions are presented for socio-economic group.

All and first admissions

There were 2,112 admissions for CHO 7 in 2020, a rate of 317.1 per 100,000 (Table 1). Admissions for CHO 7 accounted for 14% of all admissions to psychiatric units and hospitals in 2020. There were 852 first admissions, a rate of 127.9 per 100,000 and there were 1,260 re-admissions, representing a rate of 189.2 per 100,000.

Gender and age

Males accounted for 49% of all and 52% of first admissions. Females had a higher rate of all admissions than males, at 320.4 per 100,000, compared with 313.6 for males (Table1). Males had a higher rate of first admissions than females, at 134.7 per 100,000 compared with 121.3 for females.

The 65–74 year age group had the highest rate of all admissions for CHO 7, at 615.8 per 100,000, followed by the 20–24 year age group, at 535.6, and the 75 year and over age group, at 463.3. The 35–44 year age group had the lowest rate of all admissions, at 366.9 per 100,000.

The 20--24 year age group had the highest rate of first admissions in CHO 7, at 260.4 per 100,000, followed by the 18–19 year age group, at 227.4, and the 25–34 year age group, at 190.6. The 55–64 year age group had the lowest rate of first admissions, at 131.0.

Age groups were condensed into two groups: under 45 years and 45 years and over. The 45 year and over age group had the highest rate of admissions in all CHO areas, with rates ranging from 535.1 per 100,000 in CHO 9 to 365.5 in CHO 3 (Figure 1). In CHO 7 the rate of admission for the 45 year and over age group, at 451.0 per 100,000, was almost twice that of the under 45 year age

group, at 249.3. The rate of admission for the 45 year and over group in CHO 6 (410.7) was twice that of the under 45 year group (200.0).

Table 1: CHOs. All and first admissions. Gender. Ireland 2020. Rates per 100,000 total population

	All			First		
	Male	**Female**	**Total**	**Male**	**Female**	**Total**
CHO 1	346.3	329.8	338.0	94.6	86.0	90.3
CHO 2	302.5	297.3	299.9	123.5	105.7	114.5
CHO 3	277.6	321.7	299.7	102.3	104.0	103.1
CHO 4	360.8	338.5	349.6	141.0	121.5	131.2
CHO 5	343.6	309.6	326.5	151.1	105.1	128.0
CHO 6	269.3	288.1	279.0	81.5	79.6	80.5
CHO 7	313.6	320.4	317.1	134.7	121.3	127.9
CHO 8	292.1	308.6	300.4	138.2	115.0	126.6
CHO 9	376.5	356.7	366.4	150.2	127.0	138.4
Total	**324.7**	**321.7**	**323.2**	**128.8**	**110.5**	**119.6**

Marital status

Single persons accounted for almost 59% of all and 61% of first admissions for CHO 7; married persons accounted for 26% of all and 24% of first admissions; widowed persons accounted for 3% of all and 4% of first admissions; and divorced persons accounted for 3% of all and 2% of first admissions.
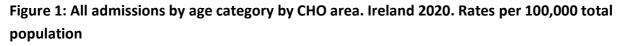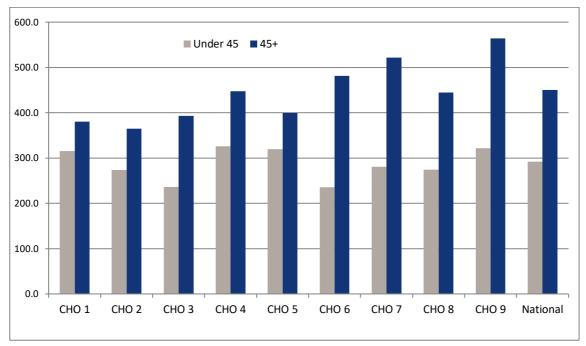
Socio-economic group

Ten per cent of all admissions had non-manual occupations, 7% were lower professional and almost 4% were manual skilled. However, it is worth noting that almost 67% of returns for CHO 7 did not specify an occupation, making assignment to a socio-economic group impossible.

Diagnosis

Depressive disorders accounted for 22% of all and 23% of first admissions for CHO 7; schizophrenia accounted for 22% of all and 20% of first admissions; and neuroses accounted for 9% of all and 12% of first admissions.

All admission rates in CHO 7 were highest for schizophrenia, at 71.0 per 100,000 (Figure 2), followed by depressive disorders, at 68.8 and neuroses, at 28.7. Depressive disorders had the highest rate of first admissions in CHO 7, at 29.0, followed by schizophrenia, at 25.1 and neuroses, at 15.5.

Figure 1: All admissions by age category by CHO area. Ireland 2020. Rates per 100,000 total population

Legal status
Involuntary admissions accounted for 18% of all and 20% of first admissions for CHO 7. The rate of all involuntary admissions in CHO 7 was 55.8, the third-highest rate amongst all CHO areas, while that for first admissions was 25.8 per 100,000, the second-highest amongst all CHO areas (Figure 3).

Hospital type
Sixty per cent of all admissions for CHO 7 were to general hospital psychiatric units, 2% were to psychiatric hospitals/continuing care units and 38% were to independent/private and private charitable centres.

Discharges
There were 2,158 discharges (2,145 discharges and 13 deaths) for CHO 7 in 2020. Twenty-six per cent of discharges occurred within one week of admission, 15% occurred within one to two weeks and 20% occurred within two to four weeks of admission. Almost 94% of discharges occurred within three months of admission. This is similar to the pattern observed nationally.
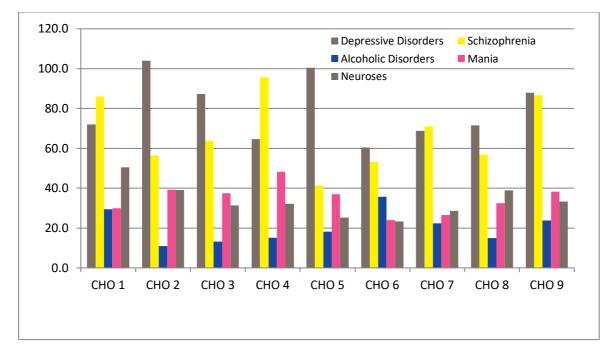
Discharges for CHO 7 accounted for 14% of all discharges and almost 15% of all in-patient days. The average length of stay for all discharges for CHO 7 was 58.0 days (median 18 days) (Figure 4). This compares with the national average of 54.7 days (median 14 days).

When discharges with a length of stay of one year or more were excluded, discharges for CHO 7 again accounted for 14% of discharges and almost 16% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 29.5 days (median 18 days).

References

Central Statistics Office (2017) Census of Population 2016, www.cso.ie.

Daly A and Craig S (2021) HRB StatLink Series 5 National Psychiatric In-Patient Reporting System (NPIRS) Annual Report on the *Activities of Irish Psychiatric Units and Hospitals 2020*. Dublin: Health Research Board.

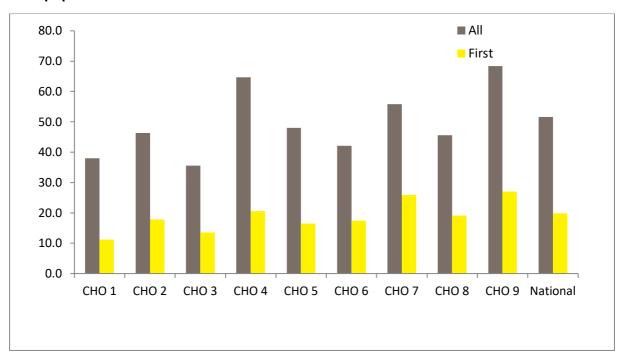**Figure 2: Admissions for selected diagnostic groups by CHO area. Ireland 2020. Rates per 100,000 total population**

Figure 3: All and first involuntary admissions by CHO area. Ireland 2020. Rates per 100,000 total population

Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2020.