HRB Bulletin
National Psychiatric
In-patient Reporting System

CHO 8 Bulletin
2020

Research. Evidence. Action.

Introduction

This bulletin is a synopsis of data for CHO 8 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 8 covers the counties of Laois, Offaly, Longford, Westmeath, Louth and Meath.

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 1,851 admissions for CHO 8 in 2020, a rate of 300.4 per 100,000 (Table 1). Admissions for CHO 8 accounted for 12% of all admissions to psychiatric units and hospitals in 2020. There were 780 first admissions, a rate of 126.6 per 100,000 and there were 1,071 re-admissions, representing a rate of 173.8 per 100,000.

Gender and age

Males accounted for 48% of all and 54% of first admissions. Females had a higher rate of all admissions than males, at 308.6 per 100,000 compared with 292.1 for males (Table 1). In contrast, males had a higher rate of first admissions than females, at 138.2, compared with 115.0 per 100,000 for females.

The 25–34 year age group had the highest rate of all admissions for CHO 8, at 492.3 per 100,000, followed by the 20–24 year age group, at 479.7, and the 18–19 year age group, at 469.6. The 35–44 year age group had the lowest rate of all admissions, at 364.5 per 100,000.

The 18–19 year and over age group had the highest rate of first admissions in CHO 8, at 308.6 per 100,000, followed by the 20–24 year age group, at 247.8, and the 25–34 year age group, at 199.0. The 55–64 year age group had the lowest rate of first admissions, at 149.1.

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 8 the rate of admission for the 45 year and over age group, at 401.2 per 100,000, while that for the under 45 year age group, was

244.1. 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 57% of all and 56% of first admissions for CHO 8; married persons accounted for almost 27% of all and 29% of first admissions; widowed persons accounted for 5% of all and 4% of first admissions; and divorced persons accounted for 2% of all and 1% of first admissions.
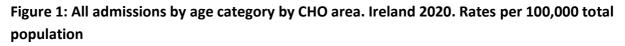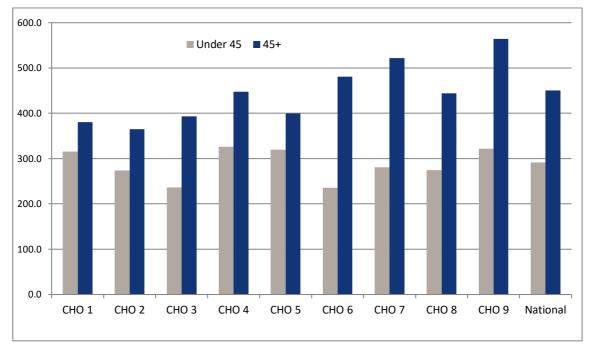
Socio-economic group
Almost 11% of all admissions had non-manual occupations, 6% were lower professional and almost 6% were manual skilled. However, it is worth noting that 62% of returns for CHO 8 did not specify an occupation, making assignment to a socio-economic group impossible. Proportions for first admissions were somewhat similar.

Diagnosis
Depressive disorders accounted for 24% of all admissions and 25% of first admissions for CHO 8; schizophrenia accounted for 19% of all and 17% of first admissions; and neuroses accounted for 13% of all and 16% of first admissions.

All and first admission rates in CHO 8 were highest for depressive disorders, at 71.6 (Figure 2) and 32.1 per 100,000, respectively. Schizophrenia had the second-highest rate of all admissions in CHO 8, at 56.8, followed by neuroses, at 38.9. Schizophrenia had the second-highest rate of first admissions in CHO 8, at 21.3 per 100,000, followed by neuroses, at 20.3.

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

Legal status
Involuntary admissions accounted for 15% of all and 15% of first admissions for CHO 8. The rate of all involuntary admissions in CHO 8 was 45.6, while that for first admissions was 19.1 per 100,000 (Figure 3).

Hospital type
Fifty-seven per cent of all admissions for CHO 8 were to general hospital psychiatric units, 16% were to psychiatric hospitals/continuing care units and 27% were to independent/private and private charitable centres.

Discharges
There were 1,891 discharges (1,873 discharges and 18 deaths) for CHO 8 in 2020. Thirty-one per cent of discharges occurred within one week of admission, 17% occurred within one to two weeks and 19% 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 8 accounted for 12% of all discharges and 11% of all in-patient days. The average length of stay for all discharges for CHO 8 was 51.6 days (median 14 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 8 accounted for 12% of discharges and 12% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 26.4 days (median 14 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.
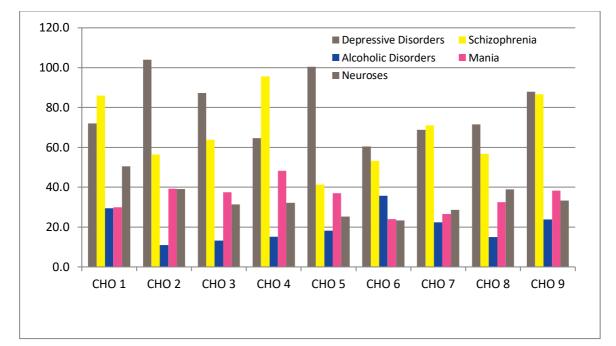
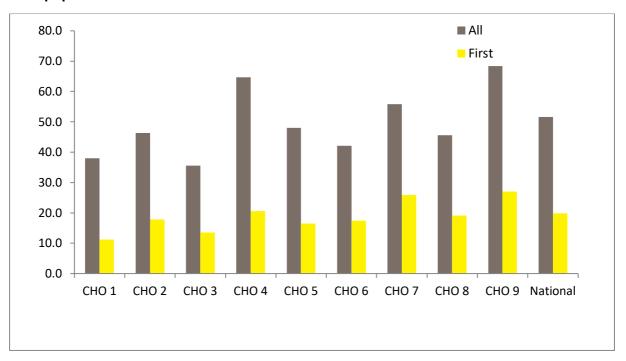**Figure 2: Admissions for selected diagnostic groups by CHO area. Ireland 2020. Rates per 100,000 total population**

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.