HRB Bulletin

National Psychiatric
In-patient Reporting System

CHO 2 Bulletin
2020

Research. Evidence. Action.

Introduction

This bulletin is a synopsis of data for CHO 2 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 2 covers the counties of Galway, Mayo and Roscommon.

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 1,359 admissions for CHO 2 in 2020, a rate of 299.9 per 100,000, the third-lowest rate amongst all CHO (Table 1). Admissions for CHO 2 accounted for 9% of all admissions to psychiatric units and hospitals in 2020. There were 519 first admissions, a rate of 114.5 per 100,000 and 840 re-admissions, representing a rate of 185.4 per 100,000.

Gender and age

There was an equal proportion of male and female admissions but males had a slightly higher rate of all admissions, at 302.5, and first admissions, at 123.5, than females, at 297.3 for all and 105.7 for first (Table 1).

The 20–24 year age group had the highest rate of all admissions for CHO 2, at 483.8 per 100,000, followed by the 25–34 year age group, at 478.5, and the 45–54 year age group, at 443.6. The 75 year and over age group had the lowest rate of all admissions, at 182.9 per 100,000.

The 18–19 year age group had the highest rate of first admissions for CHO 2, at 250.6 per 100,000, followed by the 20–24 year age group, at 243.9, and the 25–34 year age group, at 188.9. The 75 year and over age group had the lowest rate of all admissions, at 113.9 per 100,000.

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 2 the rate of admission for the 45 year and over age group was 370.2 per 100,000, almost one and a half times higher than that for the under 45 year age group, at 252.9. 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 60% of all and 58% of first admissions for CHO 2; married persons accounted for 22% of all and 24% of first admissions; widowed persons accounted for 3% of all and 5% of first admissions; and divorced persons accounted for 2% of all and 2% of first admissions.
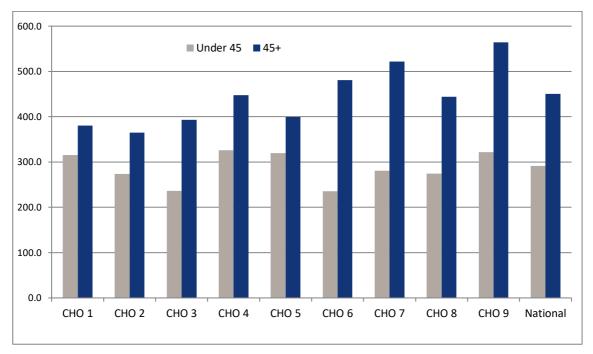
Socio-economic group

Thirteen per cent of all admissions had non-manual occupations, 8% had semi-skilled occupations, 8% were lower professionals and 6% were manual skilled. However, it is worth noting that 51% of returns for CHO 2 did not specify an occupation, making assignment to a socio-economic group impossible.

Diagnosis

Depressive disorders accounted for 35% of all admissions and 36% of first admissions for CHO 2; schizophrenia accounted for 19% of all and almost 14% of first admissions; and neuroses accounted for 13% of all and 18% of first admissions.

All and first admission rates in CHO 2 were highest for depressive disorders, at 103.9 (Figure 2) and 41.7 per 100,000, respectively. Schizophrenia had the second-highest rate of all admissions in CHO 2, at 56.5, followed by mania, at 39.3 and neuroses, at 39.1. Neuroses had the second-highest rate of first admissions in CHO 2, at 20.7 per 100,000, followed by schizophrenia, at 15.4.

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

Legal status

Involuntary admissions accounted for almost 16% of all and 16% of first admissions for CHO 2. The rate of all involuntary admissions in CHO 2 was 46.3, while that for first admissions was 17.9 per 100,000 (Figure 3).

Hospital type

Eighty-two per cent of all admissions for CHO 2 were to general hospital psychiatric units, 3% were to psychiatric hospitals/continuing care units and almost 15% were to independent/private and private charitable centres.

Discharges

There were 1,397 discharges (1,389 discharges and 8 deaths) for CHO 2 in 2020. Twenty-eight per cent of discharges occurred within one week of admission, 17% occurred within one to two weeks and almost 23% occurred within two to four weeks of admission. Ninety-two per cent of discharges occurred within three months of admission. This is similar to the pattern observed nationally.

Discharges for CHO 2 accounted for 9% of all discharges nationally and 11% of all in-patient days. The average length of stay for all discharges for CHO 2 was 65.6 days (median 16 days), the third-highest amongst all CHO areas (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 2 accounted for 9% of discharges and 10% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 28.5 days (median 16 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
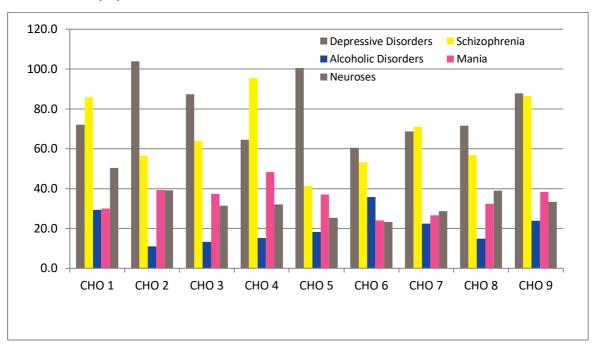
Figure 3: All and first involuntary admissions by CHO area. Ireland 2020. Rates per 100,000 total population
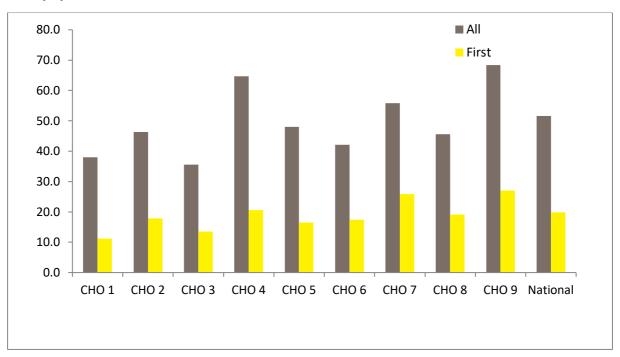

Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2020.