HRB Bulletin

National Psychiatric
In-patient Reporting System

CHO 4 Bulletin
2020

Research. Evidence. Action.

Introduction

This bulletin is a synopsis of data for CHO 4 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 4 covers the counties of Cork and Kerry.

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 2,414 admissions for CHO 4 in 2020, a rate of 349.6 per 100,000, the second-highest amongst all CHO areas (Table 1). Admissions for CHO 4 accounted for 16% of all admissions to psychiatric units and hospitals in 2020. There were 906 first admissions, a rate of 131.2 per 100,000 and there were 1,508 re-admissions, representing a rate of 218.4 per 100,000.

Gender and age

Males accounted for 51% of all and 53% of first admissions. Males had a higher rate of all admissions than females, at 360.8 per 100,000, compared with 338.5 for females. Similarly, males had a higher rate of first admissions, at 141.0 per 100,000 compared with 121.5 for females.

The 20–24 year age group had the highest rate of all admissions for CHO 4, at 591.6 per 100,000, followed by the 25–34 year age group, at 530.8, and the 35–44 year age group, at 510.6. The 75 year and over age group had the lowest rate of all admissions, at 263.8 per 100,000.

The 20–24 year age group had the highest rate of first admissions in CHO 4, at 272.9 per 100,000, followed by the 18–19 year age group, at 231.2, and the 25–34 year age group, at 186.2. The 75 year and over age group had the lowest rate of first admissions, at 127.0.

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 4 the rate of admission for the 45 year and over age group was 400.6 per 100,000, while that for the under 45 year age group was 317.0. 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 64% of all and 61% of first admissions for CHO 4; married persons accounted for 20% of all and 24% of first admissions; widowed persons accounted for 5% of all and 4% of first admissions; and divorced persons accounted for almost 4% of all and 3% of first admissions.
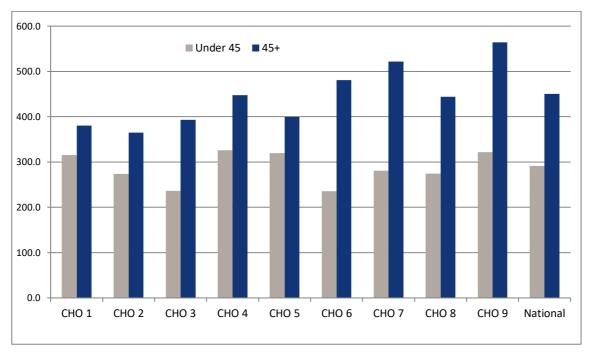
Socio-economic group

Fourteen per cent of all admissions had non-manual occupations, 7% were semi-skilled and 7% were lower professionals. However, it is worth noting that 49% of returns for CHO 4 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 18% of all admissions and 23% of first admissions for CHO 4; schizophrenia accounted for 27% of all and almost 21% of first admissions; mania accounted for 14% of all and 8% of first admissions, while neuroses counted for 9% of all and 15% of first admissions.

Schizophrenia had the highest rate of all admissions in CHO 4, at 95.6, followed by depressive disorders, at 64.6 and mania, at 48.2 (Figure 2). First admission rates in CHO 4 were highest for depressive disorders, at 29.7, followed by schizophrenia, at 26.9 per 100,000 and neuroses, at 19.7.

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 19% of all and 16% of first admissions for CHO 4. The rate of all involuntary admissions in CHO 4 was 64.7, the second-highest amongst all areas, while that for first admissions was 20.6 per 100,000, the third-highest amongst all CHO areas (Figure 3).

Hospital type

Seventy-seven per cent of all admissions for CHO 4 were to general hospital psychiatric units, 15% were to psychiatric hospitals/continuing care units and 8% were to independent/private and private charitable centres.

Discharges

There were 2,460 discharges (2,443 discharges and 17 deaths) for CHO 4 in 2020. Thirty-three per cent of discharges occurred within one week of admission, 22% occurred within one to two weeks and a further 19% occurred within two to four weeks of admission. Ninety-five per cent of discharges occurred within three months of admission. This is similar to the pattern observed nationally.

Discharges for CHO 4 accounted for almost 16% of all discharges and 12% of all in-patient days. The average length of stay for all discharges for CHO 4 was 42.6 days (median 11 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 4 again accounted for 16% of discharges and 14% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 23.3 days (median 11 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
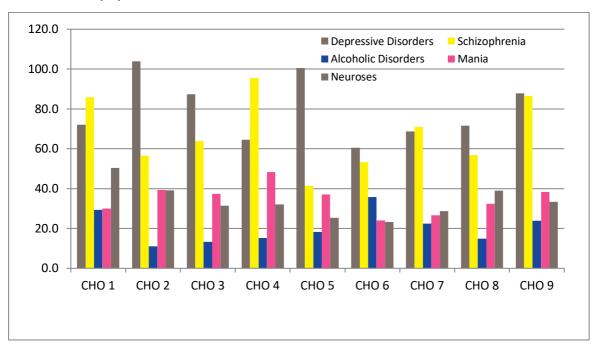
Figure 3: All and first involuntary admissions by CHO area. Ireland 2020. Rates per 100,000 total population
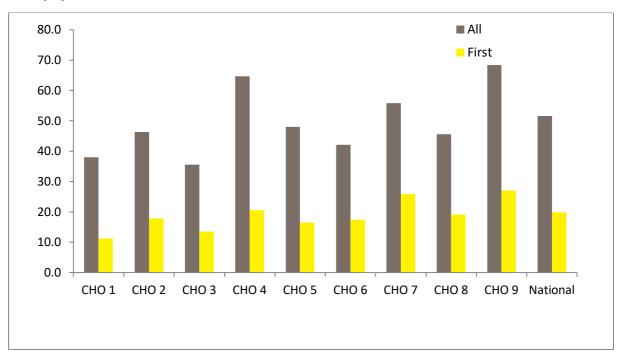

Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2020.