HRB Bulletin
National Psychiatric
In-patient Reporting System

CHO 1 Bulletin
2022

Research. Evidence. Action.

Introduction

This bulletin is a synopsis of data for CHO 1 from the NPIRS for 2022 and that reported in the *National Psychiatric In-patient Reporting System (NPIRS) Annual Report on the Activities of Irish Psychiatric Units and Hospitals 2022* (Daly and Lynn 2023). The address from where 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 1 covers the counties of Donegal, Sligo, Leitrim, Cavan, and Monaghan.

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 1,444 admissions for CHO 1 in 2022, a rate of 366.2 per 100,000 (Table 1). This was the second-highest rate amongst all CHO areas. Admissions for CHO 1 accounted for 9% of all admissions to psychiatric units and hospitals in 2022. There were 385 first admissions, a rate of 97.6 per 100,000 and 1,059 re-admissions, a rate of 268.6 per 100,000, the highest re-admission rate amongst all CHO areas.

Sex and age

There was an equal split between male and female admissions, with all admission rates also being similar, at 366.6 per 100,000 for males and 365.7 for females (Table 1). Males had a higher rate of first admissions, at 103.2 per 100,000 compared with 92.1 for females.

The 20–24 year age group had the highest rate of all admissions for CHO 1, at 823.7 per 100,000, followed by the 25–34 year age group, at 606.2, and the 45–54 year age group, at 554.8. The 75 year and over age group had the lowest rate of all admissions, at 246.8 per 100,000.

The 20–24 year age group had the highest rate of first admissions in CHO 1, at 327.3 per 100,000, followed by the 18–19 year age group, at 179.5, and the 25–34 year age group, at 143.4. The 75 year and over age group had the lowest rate of first admissions, at 95.5 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 554.1 per 100,000 in CHO 9 to 373.4 in CHO 3 (Figure 1). In CHO 1 the rate of admission for the 45 year and over age group was 425.4 per 100,000, higher than that for the under 45 year age group, at 326.3.

Table 1: CHOs. All and first admissions. Sex. Ireland 2022. Rates per 100,000 total population

	All			First		
	Male	**Female**	**Total**	**Male**	**Female**	**Total**
CHO 1	366.6	365.7	366.2	103.2	92.1	97.6
CHO 2	323.0	331.5	327.3	109.3	105.7	107.5
CHO 3	307.9	293.2	300.5	105.9	109.1	107.5
CHO 4	368.4	309.6	338.7	132.6	98.3	115.3
CHO 5	333.3	319.7	326.5	128.2	117.6	122.9
CHO 6	298.9	370.4	335.7	90.7	104.3	97.7
CHO 7	319.7	312.7	316.2	124.3	99.4	111.7
CHO 8	273.9	290.8	282.4	105.3	91.1	98.2
CHO 9	366.7	400.0	383.6	146.6	143.7	145.2
Total	**330.7**	**332.5**	**331.6**	**119.4**	**108.0**	**113.7**

Marital status

Single persons accounted for 64% of all and 58% of first admissions for CHO 1; married persons accounted for 20% of all and 24% of first admissions; widowed persons accounted for 4% 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 for CHO 1 had non-manual occupations, 6% were lower professional, and 4% each were manual skilled and unskilled, with almost 4% semi-skilled. However, it is worth noting that 67% of returns for CHO 1 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 19% of all admissions and 21% of first admissions for CHO 1; schizophrenia accounted for 22% of all and 16% of first admissions; and neuroses accounted for almost 19% of all and 24% of first admissions.

All admission rates in CHO 1 were highest for schizophrenia, at 80.9 per 100,000 (Figure 2), while first admission rates were highest for neuroses, at 23.8 per 100,000. Depressive disorders had the second-highest rate of all admissions in CHO 1, at 71.3, followed by neuroses, at 69.0. Depressive disorders had the second-highest rate of first admissions in CHO 1, at 20.3 per 100,000, followed by schizophrenia, at 15.2.
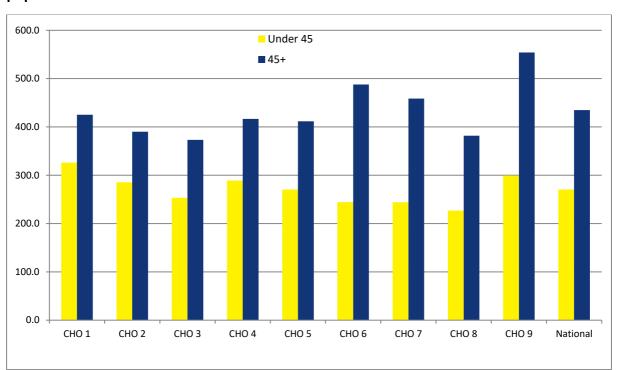
Figure 1: All admissions by age category by CHO area. Ireland 2022. Rates per 100,000 total population

Legal status
Involuntary admissions accounted for 13% of all and 16% of first admissions for CHO 1. The rate of all involuntary admissions in CHO 1 was 48.2, while that for first admissions was 16.0 per 100,000 (Figure 3).

Hospital type
Eighty-eight per cent of admissions for CHO 1 were to general hospital psychiatric units, almost 1% were to psychiatric hospitals/continuing care units and 11% were to independent/private and private charitable centres.

Discharges
There were 1,441 discharges (including deaths) for CHO 1 in 2022. Forty per cent of discharges occurred within one week of admission, 23% occurred within one to two weeks and 18% occurred within two to four weeks of admission. Ninety-six per cent of discharges occurred within three months of admission, similar to that observed nationally (94%).

Discharges for CHO 1 accounted for 9% of all discharges and almost 5% of all in-patient days. The average length of stay for all discharges for CHO 1 was 28.3 days (median 9 days) (Figure 4), the shortest average length of stay for all CHO areas. This compares with the national average of 57.3 days (median 14 days).

When discharges with a length of stay of one year or more were excluded, discharges for CHO 1 accounted for 9% of discharges and 6% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 17.9 days (median 8.5 days), the shortest average length of stay for all CHO areas (excluding non-residents).

References

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

Daly A and Lynn E (2023) *HRB StatLink Series 13 National Psychiatric In-Patient Reporting System (NPIRS) Annual Report on the Activities of Irish Psychiatric Units and Hospitals 2022*. Dublin: Health Research Board.

Figure 2: Admissions for selected diagnostic groups by CHO area. Ireland 2022. Rates per 100,000 total population
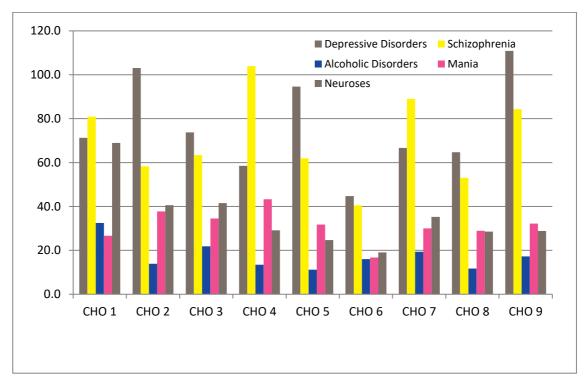
Figure 3: All and first involuntary admissions by CHO area. Ireland 2022. Rates per 100,000 total population
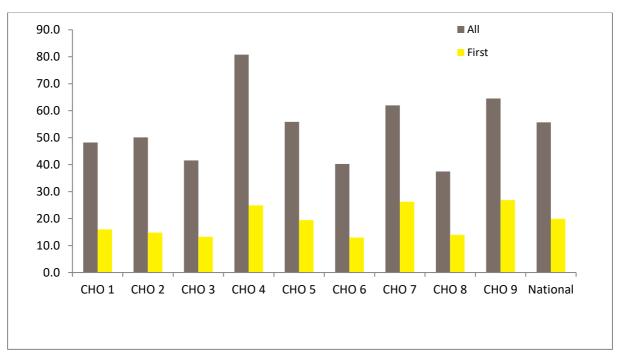

Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2022