National Psychiatric In-patient Reporting System (NPIRS) – CHO 8 Bulletin

HRB Health Research Board

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Introduction

This bulletin is a synopsis of data for CHO 8 from the NPIRS for 2018 and that reported in *Activities of Irish Psychiatric Units and Hospitals 2018 Main Findings* (Daly and Craig 2019). 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 2,037 admissions for CHO 8 in 2018, a rate of 330.6 per 100,000 (Table 1). Admissions for CHO 8 accounted for 12% of all admissions to psychiatric units and hospitals in 2018. There were 900 first admissions, a rate of 146.0 per 100,000, the highest rate amongst all areas. Re-admissions (1,137) accounted for 56% of all admissions, representing a rate of 184.5 per 100,000.

Gender and age

There was an equal proportion of male and female admissions. Males had a slightly higher rate of all admissions than females, at 334.5 per 100,000 for males and 326.7 for females (Table 1). Similarly, males had a higher rate of first admissions than females, at 163.7 compared with 128.6 for females.

Table 1: CHOs. All and first admissions. Gender. Ireland 2018. Rates per 100,000 total population

	All			First		
	Male	**Female**	**Total**	**Male**	**Female**	**Total**
CHO 1	405.3	355.1	380.1	126.6	93.6	110.1
CHO 2	327.4	295.6	311.4	129.7	94.3	111.9
CHO 3	328.7	326.9	327.8	117.9	109.1	113.5
CHO 4	382.5	357.8	370.0	130.8	112.1	121.3
CHO 5	407.2	340.2	373.5	164.4	125.1	144.6
CHO 6	302.1	325.9	314.3	86.0	81.5	83.7
CHO 7	348.8	387.8	368.6	140.8	140.3	140.5
CHO 8	334.5	326.7	330.6	163.7	128.6	146.0
CHO 9	397.5	406.9	402.3	143.3	135.9	139.5
Total	**362.0**	**352.2**	**357.0**	**136.8**	**117.1**	**126.8**

The 20–24 year age group had the highest rate of all admissions for CHO 8, at 549.6 per 100,000, followed by the 65–74 year age group, at 533.4, and the 25–34 year age group, at 499.9. The 35–44 year age group had the lowest rate of all admissions, at 394.9 per 100,000.

The 20–24 year and over age group had the highest rate of first admissions in CHO 8, at 273.2 per 100,000, followed by the 18–19 year age group, at 248.2, and the 25–34 year age group, at 238.5. The 45–54 year age group had the lowest rate of first admissions, at 147.7.

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 536.1 per 100,000 in CHO 9 to 374.6 in CHO 2 (Figure 1). The rate of admission for the 45 year and over group in CHO 6 (451.8) and CHO 7 (533.6) was almost twice that of the under 45 year group.

Marital status

Single persons accounted for over half of all (53%) and first (53%) admissions for CHO 8; married persons accounted for 30% of all and 29% of first admissions; widowed persons accounted for 5% of all and 5% of first admissions; and divorced persons accounted for 5% of all and 5% of first admissions.
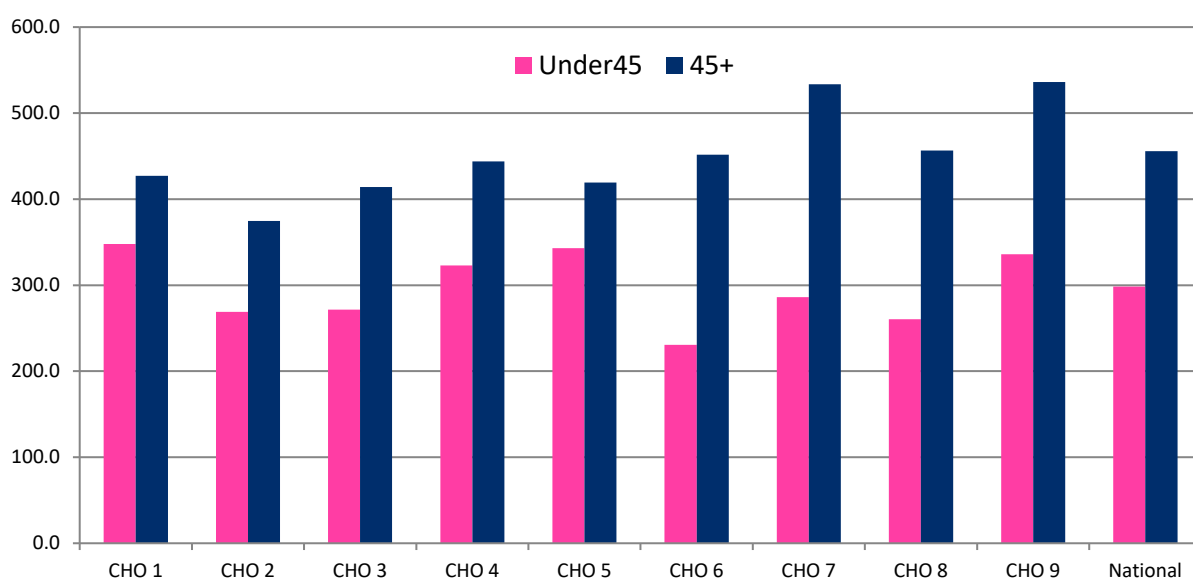
Socio-economic group

Almost 11% of all admissions had non-manual occupations, 9% were lower professional, and 6% manual skilled. However, it is worth noting that over half (56%) 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 23% of all admissions and 22% of first admissions for CHO 8; schizophrenia accounted for almost 13% of all and 9% of first admissions; and neuroses accounted for 8% of all and 9% of first admissions.

All and first admission rates in CHO 8 were highest for depressive disorders, at 75.3 (Figure 2) and 32.6 per 100,000, respectively. Schizophrenia had the second-highest rate of all admissions in CHO 8, at 41.7, followed by mania, at 33.3 and neuroses, at 27.6. Schizophrenia and neuroses both had the second-highest rate of first admissions in CHO 8, at 13.8 per 100,000 each.

Figure 1: All admissions by age category by CHO area. Ireland 2018. Rates per 100,000 total population

Legal status

Involuntary admissions accounted for 12% of all and 12% of first admissions for CHO 8. The rate of all involuntary admissions in CHO 8 was 40.4, while that for first admissions was 18.0 per 100,000 (Figure 3).

Hospital type

Fifty-five per cent of all admissions for CHO 8 were to general hospital psychiatric units, 17% were to psychiatric hospitals/continuing care units and 28% were to independent/private and private charitable centres.

Discharges

There were 2,036 discharges (2,019 discharges and 17 deaths) for CHO 8 in 2018. Thirty-one per cent of discharges occurred within one week of admission, 18% occurred within one to two weeks and 20% occurred within two to four weeks of admission. Ninety-four per cent 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 13% of all in-patient days. The average length of stay for all discharges for CHO 8 was 69.4 days (median 14 days) (Figure 4). This compares with the national average of 62.9 days (median 15 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 11% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 24.9 days (median 14 days).

References

Central Statistics Office (2017) Census of Population 2016, www.cso.ie.
Daly A and Craig S (2019) *Activities of Irish Psychiatric Units and Hospitals 2018*. HRB Statistics Series 39. Dublin: Health Research Board.

Figure 2: Admissions for selected diagnostic groups by CHO area. Ireland 2018. Rates per 100,000 total population
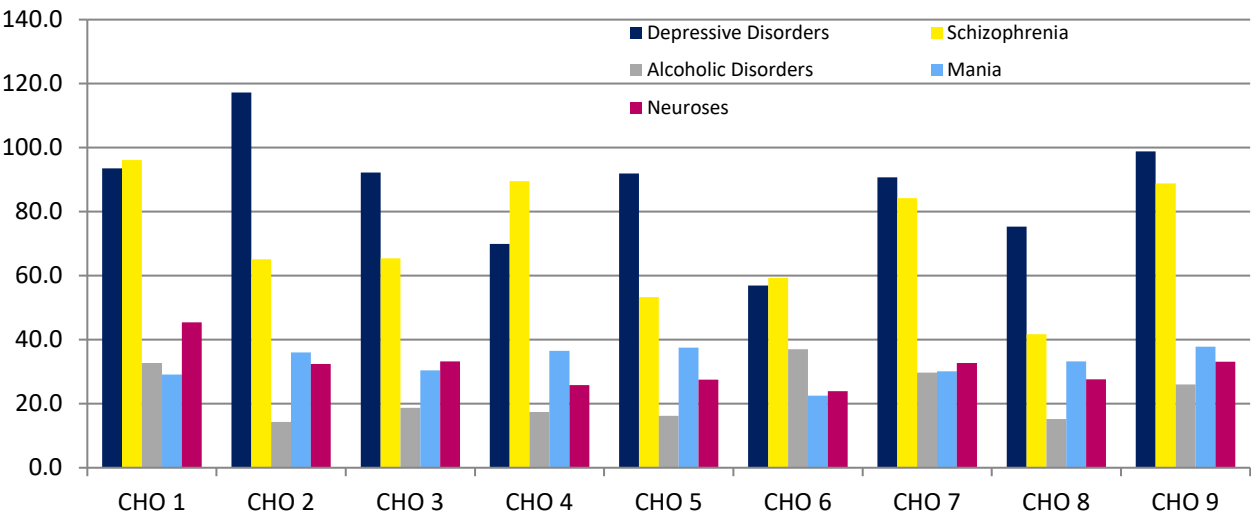
Figure 3: All and first involuntary admissions by CHO area. Ireland 2018. Rates per 100,000 total population
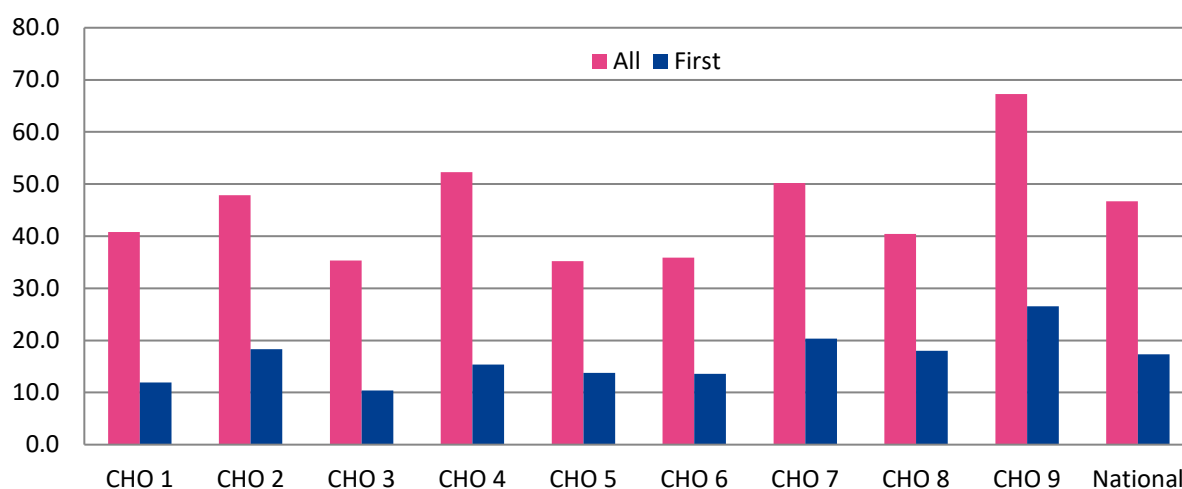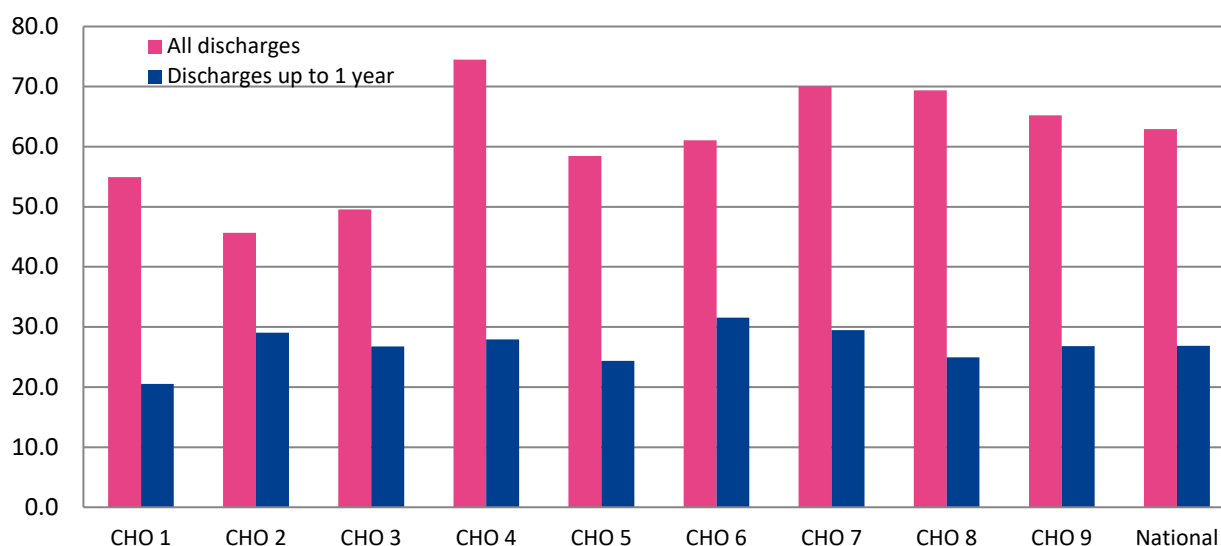

Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2018.