

# National Psychiatric In-patient Reporting System (NPIRS)

## Introduction

This bulletin is a synopsis of data for CHO 4 from the NPIRS for 2017 and that reported in *Activities of Irish Psychiatric Units and Hospitals 2017 Main Findings* (Daly and Craig 2018). 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 2,484 admissions for CHO 4 in 2017, a rate of 359.7 per 100,000 (Table 1). Admissions for CHO 4 accounted for 15% of all admissions to psychiatric units and hospitals in 2017. There were 821 first admissions, a rate of 118.9 per 100,000. Re-admissions (1,663) accounted for 67% of all admissions, representing a rate of 240.8 per 100,000.

## Gender and age

Males accounted for 53% of all and 54% of first admissions. Males had a higher rate of all admissions than females, at 382.5 per 100,000, compared with 337.4 for females. Similarly, males had a higher rate of first admissions, at 129.0 per

**Table 1: CHOs. All and first admissions. Gender. Ireland 2017. Rates per 100,000 total population**

	All			First		
	Male	Female	Total	Male	Female	Total
CHO 1	379.4	372.3	375.8	125.1	106.2	115.6
CHO 2	359.0	299.1	328.8	143.5	104.4	123.8
CHO 3	303.2	363.6	333.5	105.4	113.3	109.4
CHO 4	382.5	337.4	359.7	129.0	108.9	118.9
CHO 5	369.8	330.2	349.9	149.3	116.4	132.8
CHO 6	297.0	348.0	323.3	85.1	84.9	85.0
CHO 7	336.1	374.1	355.4	137.2	124.5	130.7
CHO 8	329.6	320.5	325.0	143.5	127.9	135.7
CHO 9	392.3	383.9	388.0	148.3	126.4	137.1
<b>Total</b>	<b>353.8</b>	<b>349.4</b>	<b>351.6</b>	<b>133.2</b>	<b>115.1</b>	<b>124.0</b>

100,000 compared with 108.9 for females.

The 20–24 year age group had the highest rate of all admissions for CHO 4, at 660.5 per 100,000, followed by the 18–19 year age group, at 541.4, and the 25–34 year age group, at 530.8. The 75 year and over age group had the lowest rate of all admissions, at 280.9 per 100,000.

The 18–19 year age group had the highest rate of first admissions in CHO 4, at 366.6 per 100,000, followed by the 20–24 year age group, at 295.8, and the 25–34 year age group, at 176.2. The 65–74 year age group had the lowest rate of first admissions, at 108.7.

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 558.9 per 100,000 in CHO 9 to 383.9 in CHO 2 (Figure 1). The rate of admission for the 45 year and over group in CHO 6 (475.9) was over twice that of the under 45 year group, while the rate in CHO 7 (514.9) and CHO 9 (558.9) was almost twice that of the under 45 year group for those areas.

**Marital status**

Single persons accounted for over half of all (63%) and 61% of first admissions for CHO 4; married

persons accounted for almost 23% of all and 26% of first admissions; widowed persons accounted for 4% of all and 4% of first admissions; and divorced persons accounted for 4% of all and 3% of first admissions.

**Socio-economic group**

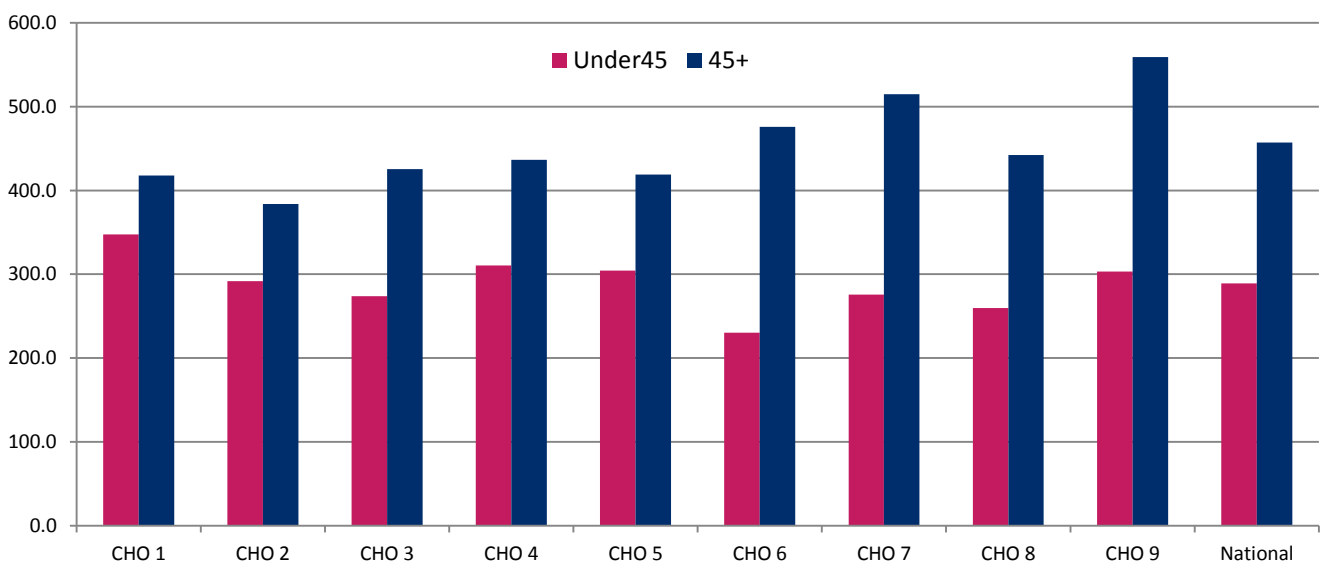
Almost one-quarter (24%) of all admissions had non-manual occupations, 10% were manual and a further 10% were unskilled, 9% were semi-skilled and a further 9% were lower professionals. However, it is worth noting that 26% of returns for CHO 4 did not specify an occupation, making assignment to a socio-economic group impossible. Proportions for first admissions were somewhat similar.

**Diagnosis**

Depressive disorders accounted for 23% of all admissions and 27% of first admissions for CHO 4; schizophrenia accounted for 25% of all and 16% of first admissions; and neuroses accounted for 10% of all and 15% of first admissions.

Schizophrenia had the highest rate of all admissions in CHO 4, at 90.8, followed by depressive disorders, at 82.0, mania, at 46.9 and neuroses, at 35.6 (Figure 2). First admission rates in CHO 4 were highest for depressive disorders, at 31.9, followed by schizophrenia, at 19.4per 100,000, neuroses, at 17.8 and mania, at 8.7.

**Figure 1: All admissions by age category by CHO area. Ireland 2017. Rates per 100,000 total population**



### Legal status

Involuntary admissions accounted for 13% of all and 10% of first admissions for CHO 4. The rate of all involuntary admissions in CHO 4 was 46.5, the third-highest amongst all areas, while that for first admissions was 11.6 per 100,000 (Figure 3).

### Hospital type

Seventy-two per cent of all admissions for CHO 4 were to general hospital psychiatric units, 16% were to psychiatric hospitals/continuing care units and 12% were to independent/private and private charitable centres.

### Discharges

There were 2,473 discharges (2,461 discharges and 12 deaths) for CHO 4 in 2017. Twenty-seven per cent of discharges occurred within one week of admission, 20% occurred within one to two weeks and a further 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 4 accounted for 15% of all discharges and 18% of all in-patient days. The average length of stay for all discharges for CHO 4 was 63.3 days (median 15 days), the second-longest average length of stay amongst all CHO areas (Figure 4). This compares with the national average of 52.3 days (median 15 days).

When discharges with a length of stay of one year or more were excluded, discharges for CHO 4 again accounted for 15% of discharges and almost 15% of in-patient days. The average length of stay for discharges, excluding those with a length of stay of one year or more, was 27.3 days (median 14 days).

### References

Central Statistics Office (2017) Census of Population 2016, [www.cso.ie](http://www.cso.ie).  
 Daly A and Craig S (2018) *Activities of Irish Psychiatric Units and Hospitals 2017*. HRB Statistics Series 38. Dublin: Health Research Board.

**Figure 2: Admissions for selected diagnostic groups by CHO area. Ireland 2017. Rates per 100,000 total population**

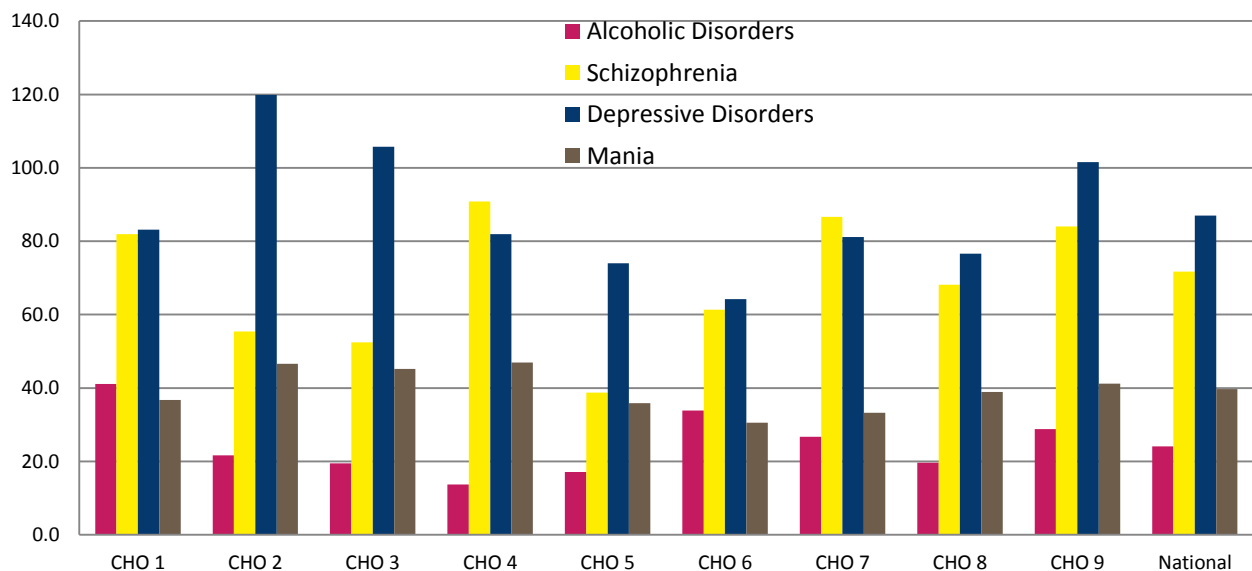


Figure 3: All and first involuntary admissions by CHO area. Ireland 2017. Rates per 100,000 total population

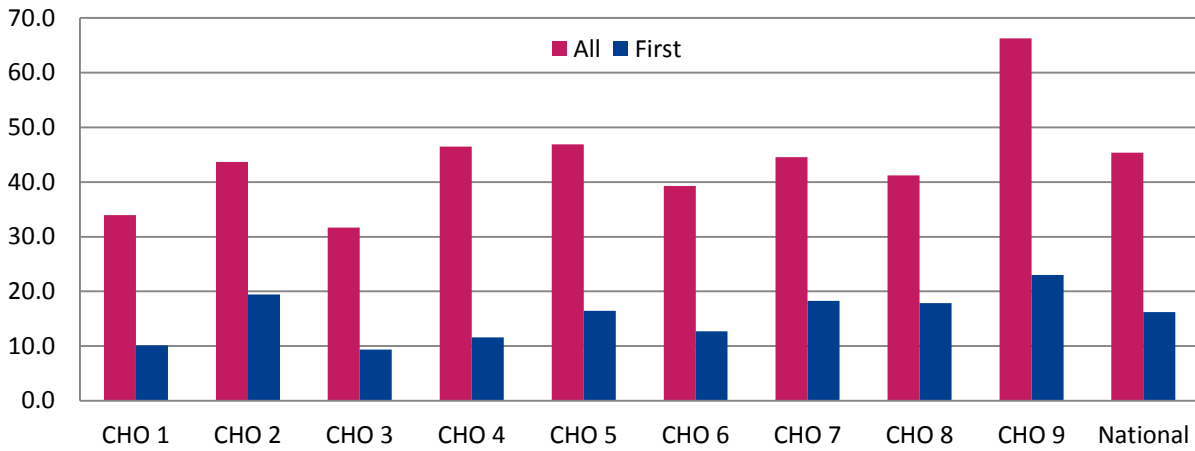
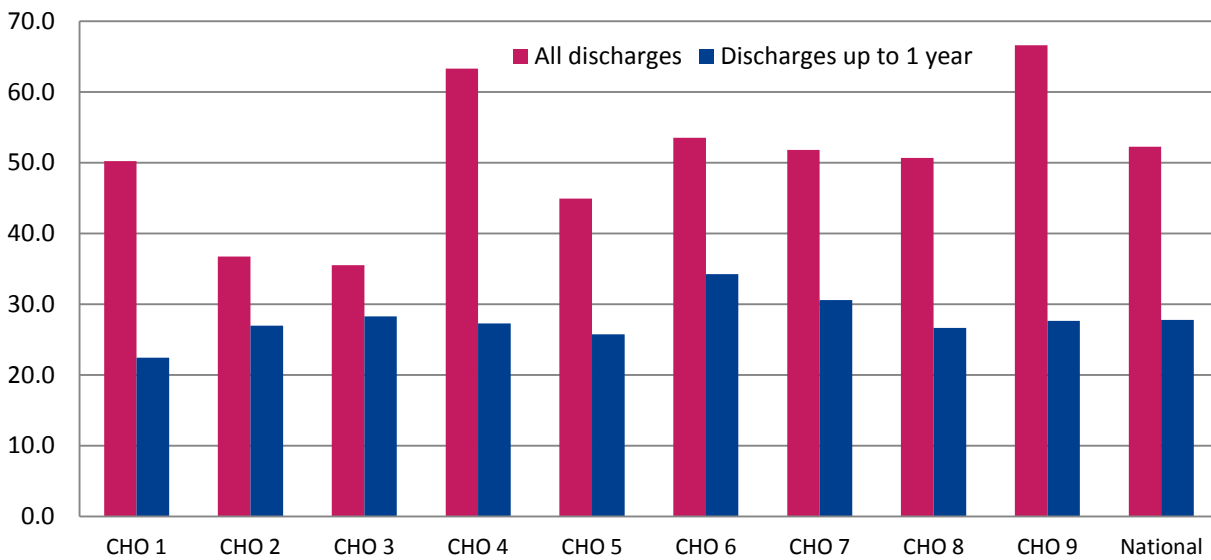


Figure 4: Average length of stay (days) for all discharges and discharges up to 1 year by CHO area. Ireland 2017.



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