

Health Protection Surveillance Centre

Introduction

Hepatitis C became a notifiable disease under an amendment to the Infectious Diseases Regulations 1981, implemented on 1st January 2004 (S.I 707 of 2003). Prior to this, cases of hepatitis C could be notified as “viral hepatitis type unspecified”.

Results

There were 338 notifications of hepatitis C in quarter 3 2010. This corresponds to a crude notification rate of 8 per 100,000 population and is similar to the numbers and rates for the previous quarter (figure 1).

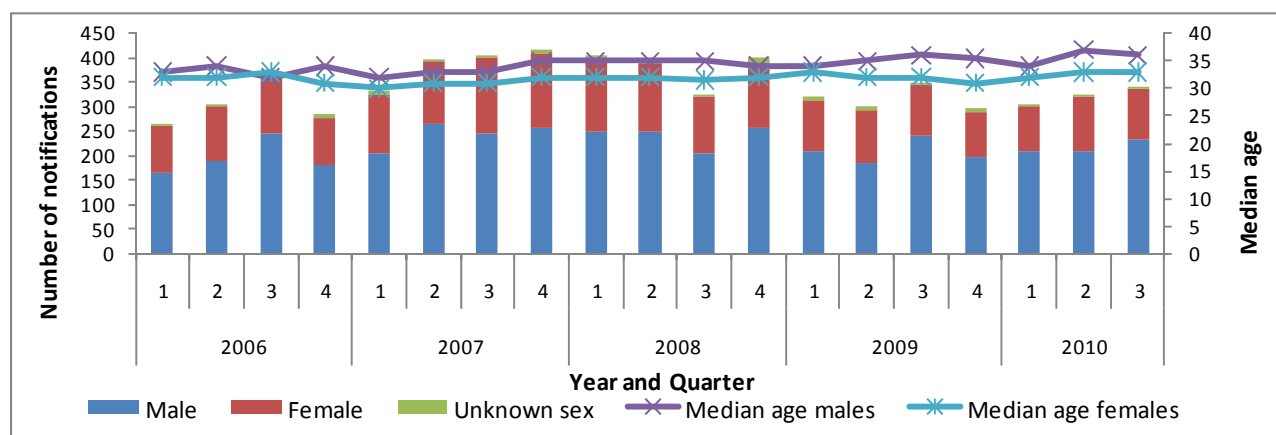


Figure 1. Number of notifications of hepatitis C and median age at notification by sex Q1 2006 to Q3 2010

Geographic distribution

Notification rates for each HSE area for the past four quarters are shown figure 2. Rates have been highest in the HSE-East every quarter since hepatitis C became notifiable. Eighty two percent (n=276) of Q3 cases were reported by the HSE-East in 2010. This corresponds to a notification rate of 18.4 per 100,000 population.

Age and sex

Sex was known for 99% of cases (n=337) of hepatitis C notified in Q3 2010. Sixty nine percent were male. The age distributions were slightly different for males and females. Female cases were younger overall, with a median age at notification of 33 years, compared to 36 years for males. Seventy five percent of cases notified in Q3 2010 were aged between 25 and 44 years (figures 1 & 3).

Risk factor data

Information on most likely risk factor was available for 55% (n=185) of cases in Q3. Of these, 79% (n=146) were injecting drug users. Other reported exposures or risk categories included being born in an endemic country (n=13), possible sexual exposure (n=12), receipt of blood or blood products outside of Ireland or in Ireland in the past (n=3), vertical transmission (n=2).

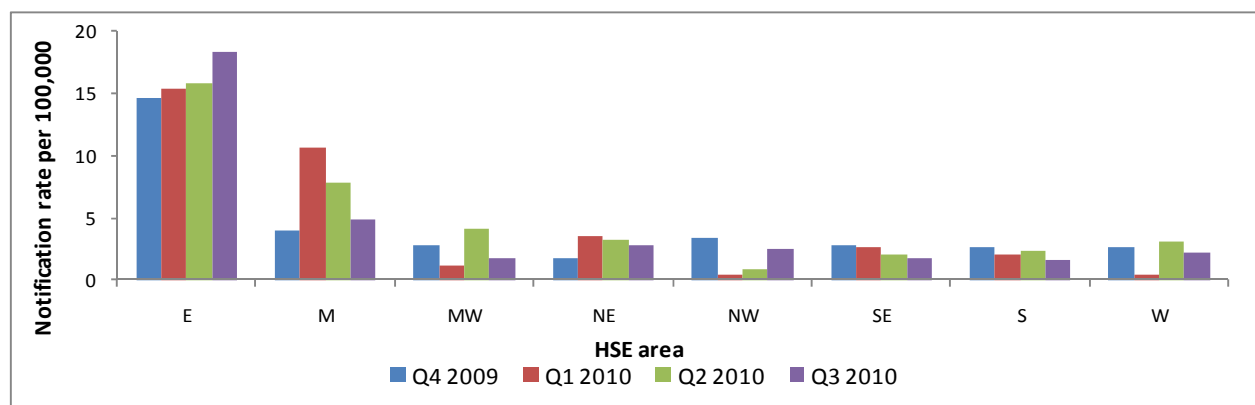


Figure 2. Hepatitis C notification rates per 100,000 population by HSE area from Q4 2009 to Q3 2010

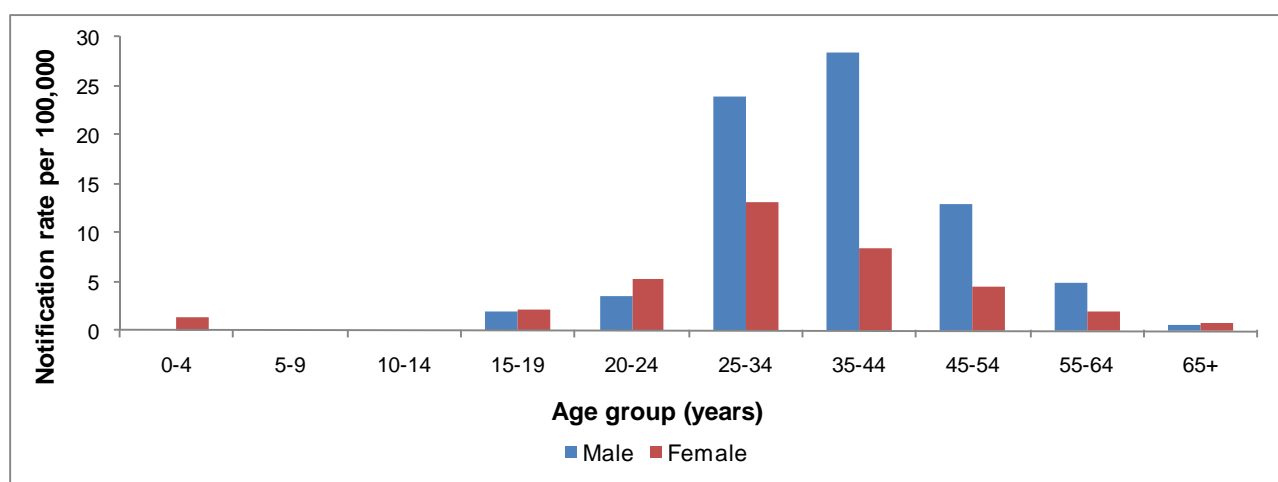


Figure 3. Age and sex specific rates per 100,000 population for hepatitis C notifications, Q3 2010

Discussion

There was a 4% increase in the number of hepatitis C notifications in Q3 2010 (n=338) compared with Q2 2010 (n=325). However, the overall numbers are lower compared to the high notifications rates in 2007 and 2008. Following trends from previous years, males predominated and accounted for 69% of all new cases. The median age at notification for males at 36 years is slightly higher than that for females at 33 years. Following previous trends, where risk factor data were available, the vast majority of cases (79%) in Q3 2010 have acquired their infection through injecting drug use.

Acknowledgements

HPSC would like to thank all those who provided data for this report - Departments of Public Health, laboratories and clinicians. Report by Joanne Moran and Dr Lelia Thornton, 8th December 2010

Case definition for hepatitis C¹

Clinical description: In symptomatic cases, clinical picture compatible with hepatitis, i.e. discrete onset of symptoms and/or jaundice or elevated serum aminotransferase levels. Asymptomatic cases are common.

Laboratory criteria for diagnosis

One of the following:

- Detection of hepatitis C virus (HCV) specific antibodies
- Detection of HCV nucleic acid from clinical sample confirmed

Case classification

Possible: N/A

Probable: N/A

Confirmed: A case that is laboratory confirmed

1. Case definitions for notifiable diseases. Infectious Diseases (Amendment) (No. 3) Regulations 2003 (SI No. 707 of 2003). National Disease Surveillance Centre, February 2004.

All data contained in this report are provisional (CIDR accessed 30th November 2010)