

2.4 Invasive Group B Streptococcal Infections

Summary

2015 Summary

Number of cases: 69

- Early-onset disease (EOD) = 43
- Late-onset disease (LOD) = 26

EOD rate per 1,000 live births, 2015: 0.65

LOD rate per 1,000 live births, 2015: 0.3

Background

Invasive group B streptococcal (iGBS; *Streptococcus agalactiae*) infections in infants <90 days old or stillborn infants have been notifiable in Ireland via the Computerised Infectious Diseases Reporting (CIDR) system since January 2012.

In neonates two syndromes exist:

- Early-onset disease (EOD; age at onset/diagnosis <7 days old)
- Late-onset disease (LOD; age at onset/diagnosis 7-89 days old)

Both include sepsis, pneumonia and meningitis. Stillbirth associated with isolation/detection of *Streptococcus agalactiae* from the placenta or amniotic fluid is also notifiable.

Notifications

In 2015, there were 69 iGBS cases: EOD = 43; rate = 0.69 per 1,000 live births and LOD = 26; rate = 0.39 (Figure 1 and Table 1). (65,909 live births, CSO 2015 data obtained from <http://www.cso.ie/en/releasesandpublications/ep/p-vs/vs/vitalstatisticsyearlysummary2015/>)

Three cases presented with meningitis and two cases were associated with stillbirth.

The figures presented in this summary are based on data extracted from CIDR on 28th July 2016.

Table 1. Breakdown and rates of iGBS cases, by disease syndrome: 2013 – 2015.

Disease syndrome	Year					
	2013		2014		2015	
	n (%)	Rate*	n (%)	Rate*	n (%)	Rate*
EOD	42 (64%)	0.61	46 (68%)	0.68	43 (62%)	0.65
LOD	24 (36%)	0.35	22 (32%)	0.33	26 (38%)	0.39
Total	66	0.96	68	1.01	69	1.04

* Incidence rate per 1,000 live births

Live births in the Republic of Ireland (source: www.cso.ie): 2013, 68,930; 2014, 67,462; 2015, 65,909

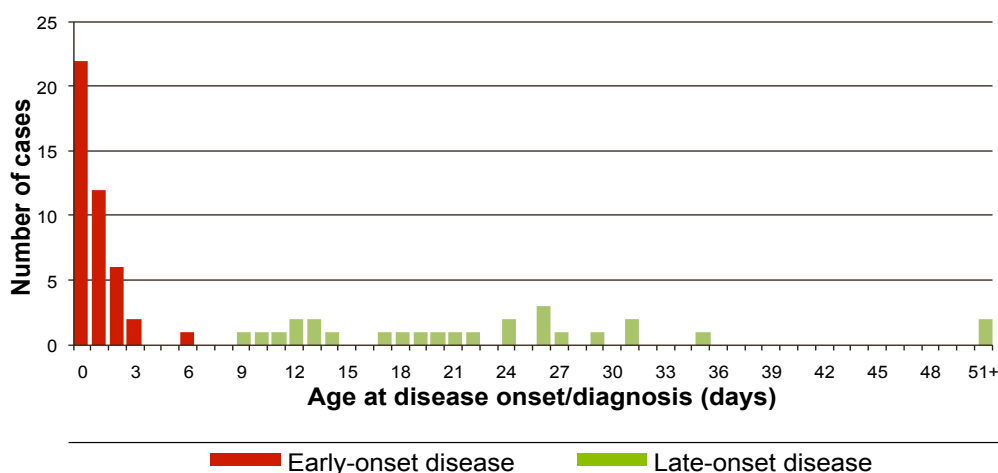


Figure 1. Invasive Group B streptococcal infection by age (in days) at time of onset/diagnosis 2015: EOD <7 days and LOD 7 – 89 days).