



Infection report

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Laboratory reports of *Haemophilus influenzae* by age group and serotype (England and Wales): April to June 2015

In the second quarter of 2015 (April to June) there was a total of 191 laboratory confirmed cases of invasive *Haemophilus influenzae* (Hi). This represents a 10% increase in the number of cases compared to the second quarter of 2014 (n=175). There were 240 cases in the first quarter of 2015.

Of the samples which underwent serotyping 83% (n=159), 90% (n=143) were non-capsulated *Haemophilus influenzae* (ncHi), a further 8% (n=12) were serotype a, e, or f, and 3% (n=4) were serotype b (Hib). Hib cases have remained relatively stable with 6 cases in 2014 and 4 cases in Q2 2015. Total ncHi cases increased by 19% from 120 to 143 in Q2 2014 and Q2 2015 respectively, accounting for 83% and 90% of cases in each period. Cases of a, e, or f Hi fell from 18 in Q2 2014 to 12 in Q2 2015 accounting for 13% and 8% of typed cases respectively.

Age-group was well reported (Table). Of the 191 laboratory confirmed cases during the second quarter of 2015: 87% were aged 15 years and over; 7% were under one year of age, 4% were 1-4 years old, and 2% were among 5-14 year olds. Similarly, in the second quarter of 2014: 83% were aged 15 years and over; 7% were under 1 year of age, 6% were 1-4 year olds and 3% were among 5-14 year olds. There were 19 ncHi cases among children aged under 15 years old during this period compared to 22 in the second quarter of 2014. Among those aged 15 years and over there was a 27% increase in ncHi case from 98 in Q2 2014 to 124 in Q2 2015.

During the second quarter of 2015, 91% of Hi cases in children under 15 years were ncHi (n=19/21). There were no cases of Hib in this age-group during this quarter. There was one cases of Hib during the second quarter of 2014; an infant, who was too young to have received the first dose of the DTaP/IPV/Hib vaccine and who made a full recovery. The most recent death in a child aged under 16 years attributed to invasive Hib disease was in 2011.

Age distribution of laboratory-confirmed cases of *Haemophilus influenzae* by serotype England and Wales, second quarter 2015 (and 2014)

Serotype	Age-group					Total, second quarter 2015 (2014)
	<1y	1-4y	5-14y	15+	nk	
b	– (1)	– (–)	– (–)	4 (5)	– (–)	4 (6)
nc	11 (9)	6 (7)	2 (6)	124 (98)	– (–)	143 (120)
a,e,f	– (1)	2 (–)	– (–)	10 (17)	– (–)	12 (18)
not typed	2 (1)	– (4)	2 (–)	27 (26)	1 (–)	32 (31)
Total	13 (12)	8 (11)	4 (6)	165 (146)	1 (–)	191 (175)