



## Infection report

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### Laboratory reports of *Haemophilus influenzae* by age group and serotype (England and Wales): July to September 2015

In the third quarter of 2015 (July to September) there was a total of 113 laboratory confirmed cases of invasive *Haemophilus influenzae* (Hi). This represents a 14% increase in the number of cases compared to the third quarter of 2014 (n=99).

There were 191 cases in the second quarter of 2015.

Of the samples which underwent serotyping 82% (n=93), 92% (n=86) were non-capsulated *Haemophilus influenzae* (ncHi), a further 6% (n=6) were serotype a, e or f, and 1% (n=1) were serotype b (Hib). The number of Hib cases has remained relatively stable with 3 cases in Q3 2014 and 1 case in Q3 2015. Total ncHi cases increased by 13% from 64 in 2014 to 86 in Q3 2015 accounting for 82% and 92% of cases in each period respectively. Cases of a, e, or f Hi fell from 11 in Q3 2014 to 6 in Q3 2015 accounting for 14% and 6% of typed cases respectively.

Age-group was well reported (see table). Of the 113 laboratory confirmed cases during the third quarter of 2015: 89% were aged 15 years and over; 5% were under one year of age, 4% were 1-4 years old, and 1% were among 5-14 year olds. Similarly, in the third quarter of 2014: 85% were aged 15 years and over; 4% were under one year of age, 7% were 1-4 year olds and 4% were among 5-14 year olds. There were 9 ncHi cases among children aged under 15 years old during this period compared to 10 in the third quarter of 2014. Among those aged 15 years and over there was a 45% increase in ncHi case from 53 in Q3 2014 to 77 in Q3 2015.

During the third quarter of 2015, 90% of Hi cases in children under 15 years were ncHi (n=9/10). There were no cases of Hib in this age-group during this quarter. There were two cases of Hib during the third quarter of 2014; an infant who presented with tonsillitis and a five year old who presented with pneumonia; both children were unimmunised and made a full recovery. The most recent death in a child aged under 15 years attributed to invasive Hib disease was in 2011.

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

Serotype	Age-group					Total, third quarter 2015 (2014)
	<1y	1-4y	5-14y	15+	nk	
b	– (–)	– (1)	– (1)	1 (1)	– (–)	1 (3)
nc	5 (2)	3 (5)	1 (3)	77 (53)	– (1)	86 (64)
a,e,f	– (1)	1 (1)	– (–)	5 (9)	– (–)	6 (11)
not typed	1 (1)	1 (4)	– (–)	18 (20)	– (–)	20 (21)
<b>Total</b>	<b>6 (4)</b>	<b>5 (7)</b>	<b>1 (4)</b>	<b>101 (83)</b>	<b>0 (1)</b>	<b>113 (99)</b>