



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans (England and Wales): July and August 2020

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Common gastrointestinal infections in England and Wales

Table 1: Laboratory reports of common gastrointestinal infections in England and Wales reported to Public Health England: weeks: 31 to 35 (27 July to 30 August 2020)

Laboratory reports*	31/20	32/20	33/20	34/20	35/20	Total reports 31-35/20	Cumulative total to 35/20	Cumulative total to 35/19
<i>Campylobacter</i> spp.	1078	1093	1161	1229	1106	5667	30165	38147
<i>Cryptosporidium</i> spp.	31	35	36	34	58	194	1375	2148
<i>Giardia</i> spp.	42	45	32	42	51	212	2121	3100
<i>Salmonella</i> spp.	81	100	133	120	149	583	2936	4823
<i>Shigella</i> spp.	15	17	18	20	11	81	1069	1909
STEC O157	10	7	16	39	28	100	223	307
Rotavirus	9	12	7	11	6	45	538	2481
Norovirus	7	3	6	4	9	29	2620	4345

*Since 1 December 2014, data for these reports have been derived from the Second Generation Surveillance System (SGSS). Data reported prior to 1 December 2014 were generated using legacy laboratory reporting systems and may not be directly comparable to SGSS generated data. This caveat does not apply to STEC O157 data which is extracted from the National Enhanced Surveillance System for STEC, in place since 1 January 2009.

Note: At present it is not possible to ascertain the impact of the current COVID-19 pandemic on testing of gastrointestinal pathogens and reporting of these results or outbreaks to PHE. Therefore, the decline in reported cases since week 12 inclusive should be interpreted with caution.

Salmonella: infections in England and Wales

Details of 349 *Salmonella* infections stratified by serotype reported in the previous period (weeks 27 to 30 2020) are given in the table below. In the current reporting period (weeks 31 to 35 2020), 583 *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 27 to30 (29 June to 26 July 2020)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	113
<i>Salmonella</i> Typhimurium	94
<i>Salmonella</i> Infantis	15
<i>Salmonella</i> Newport	9
<i>Salmonella</i> Virchow	5
Other <i>Salmonella</i> serovars	113
Total <i>Salmonella</i> infections (provisional data)	349

[‡] Subtyping results in Tables 2 and 3 are derived from data generated by Public Health England's Gastrointestinal Bacteria Reference Unit (GBRU). They are presented a month in arrears to allow for the lag between initial diagnosis at primary diagnostic laboratories and confirmatory (sub) typing at the reference laboratory.

Notes: Since 1 December 2014, data for these reports have been derived from the Second Generation Surveillance System (SGSS). Data reported prior to 1 December 2014 were generated using legacy laboratory reporting systems and may not be directly comparable to SGSS generated data. All data are provisional. Phage typing for *Salmonella* spp. ceased as of 1 November 2015.

Shigella: infections in England and Wales

Details of 53 *Shigella* infections stratified by species reported in the previous period (weeks 27 to 30 2020) are given in the table below. In the current reporting period (weeks 31 to 35 2020), 81 *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 27 to 30 (29 June to 26 July 2020)‡

Species	Total
<i>Shigella sonnei</i>	11
<i>Shigella flexneri</i>	24
<i>Shigella</i> not speciated	18
Total <i>Shigella</i> infections (provisional data)	53

‡ Subtyping results in Tables 2 and 3 are derived from data generated by Public Health England's Gastrointestinal Bacteria Reference Unit (GBRU). They are presented a month in arrears to allow for the lag between initial diagnosis at primary diagnostic laboratories and confirmatory (sub) typing at the reference laboratory.

Notes: Since 1 December 2014, data for these reports have been derived from the Second Generation Surveillance System (SGSS). Data reported prior to 1 December 2014 were generated using legacy laboratory reporting systems and may not be directly comparable to SGSS generated data. All data are provisional.

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