



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans (England and Wales): May and June 2020

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Common gastrointestinal infections in England and Wales (weeks 22 to 26/2020)

Table 1. Laboratory reports of common gastrointestinal infections in England and Wales reported to Public Health England: weeks: 22 to 26 (25 May 2020 to 28 June 2020)

Laboratory reports*	22/20	23/20	24/20	25/20	26/20	Total reports 22-26/20	Cumulative total to 26/20	Cumulative total to 26/19
<i>Campylobacter</i> spp.	701	1019	1056	983	1074	4833	20188	25907
<i>Cryptosporidium</i> spp.	19	23	29	18	19	108	988	1355
<i>Giardia</i> spp.	29	34	34	31	50	178	1735	2306
<i>Salmonella</i> spp.	41	68	68	72	81	330	2002	2963
<i>Shigella</i> spp.	14	16	14	21	24	89	935	1420
STEC O157	4	7	7	2	6	26	81	157
Rotavirus	6	8	12	8	9	43	453	2214
Norovirus	7	6	6	8	4	31	2554	3870

* 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 to PHE. Therefore, the decline in reported cases since week 12 inclusive should be interpreted with caution.

Salmonella infections in England and Wales (weeks 18 to 21/2020, serotyped)

Details of 186 salmonella infections stratified by serotype reported in the previous period (weeks 18 to 21, 2020) are given in the table below. In the current reporting period (weeks 22 to 26, 2020), 330 salmonella infections were reported.

Table 2. Salmonella infections (faecal specimens) in England and Wales stratified by serotype: weeks 18 to 21 (27 April 2020 to 24 May 2020)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	63
<i>Salmonella</i> Typhimurium	50
<i>Salmonella</i> Bovismorbificans	5
<i>Salmonella</i> Richmond	4
<i>Salmonella</i> Newport	3
Other salmonella serovars	61
Total salmonella infections (provisional data)	186

[‡] 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 (weeks 18 to 21/2020, speciated)

Details of 39 shigella infections stratified by species reported in the previous period (weeks 18 to 21, 2020) are given in the table below. In the current reporting period (weeks 22 to 26, 2020), 89 shigella infections were reported.

Table 3. Shigella infections (faecal specimens) in England and Wales stratified by species: weeks 18 to 21 (27 April 2020 to 24 May 2020)[‡]

Species	Total
<i>Shigella sonnei</i>	9
<i>Shigella flexneri</i>	19
<i>Shigella boydii</i>	1
<i>Shigella dysenteriae</i>	2
Shigella not speciated	12
Total shigella infections (provisional data)	39

[‡] 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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Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-leading science, research, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health and Social Care, and a distinct delivery organisation with operational autonomy. We provide government, local government, the NHS, Parliament, industry and the public with evidence-based professional, scientific and delivery expertise and support.

About Health Protection Report

Health Protection Report is a national public health bulletin for England and Wales, published by Public Health England. It is PHE's principal channel for the dissemination of laboratory data relating to pathogens and infections/ communicable diseases of public health significance and of reports on outbreaks, incidents and ongoing investigations.

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