



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans, England and Wales: November to December, 2018

Health Protection Report

Volume 13 Number 2

11 January 2019

Routine reports of gastrointestinal infections in humans, England and Wales: November to December, 2018

1. Common gastrointestinal infections in England and Wales reported to Public Health England by primary diagnostic laboratories: weeks 48 – 52, 2018.
2. *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 44 – 47, 2018
3. *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 44 – 47, 2018

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 48 – 52 (26 November – 30 December 2018)

Laboratory reports	48/18	49/18	50/18	51/18	52/18	Total Reports 48-52/18	Cumulative total to 52/18	Cumulative total to 52/17
<i>Campylobacter</i> spp.	897	856	847	815	530	3945	60039	56729
<i>Cryptosporidium</i> spp.	85	82	70	72	45	354	5029	4292
<i>Giardia</i> spp.	105	83	86	95	47	416	5267	4801
<i>Salmonella</i> spp.	143	137	116	96	80	572	8830	9121
<i>Shigella</i> spp.	44	53	67	45	21	230	2541	1955
STEC O157 [†]	5	4	3	1	1	14	612	568
Rotavirus	31	23	22	27	17	120	2152	3677
Norovirus	131	132	159	192	137	751	6381	5422

* Results are derived from Public Health England's Second Generation Surveillance System (SGSS) and are a composite of initial results from primary diagnostic laboratories (not yet subtyped) and results that have been subtyped at the relevant national reference laboratories. [†] Shiga toxin producing *Escherichia coli* (STEC) O157 results are derived from Public Health England's National Enhanced Surveillance System for STEC.

Notes: All data are provisional.

Salmonella infections in England and Wales

Details of 606 *Salmonella* infections stratified by serotype reported in the previous period (weeks 44 – 47, 2018) are given in the table below. In the current reporting period (weeks 48 – 52, 2018), 572 *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 44 - 47 (29 October – 25 November 2018)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	186
<i>Salmonella</i> Typhimurium	116
<i>Salmonella</i> Infantis	22
<i>Salmonella</i> Newport	15
<i>Salmonella</i> Agona	14
Other <i>Salmonella</i> serovars	253
Total <i>Salmonella</i> infections (provisional data)	606

Shigella infections in England and Wales

Details of 229 *Shigella* infections stratified by species reported in the previous period (weeks 44 – 47, 2018) are given in the table below. In the current reporting period (weeks 48 – 52, 2018), 230 *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 44 - 47 (29 October – 25 November 2018)[‡]

Species	Total
<i>Shigella</i> <i>Sonnei</i>	97
<i>Shigella</i> <i>Flexneri</i>	46
<i>Shigella</i> <i>Boydii</i>	8
<i>Shigella</i> <i>Dysenteriae</i>	3
<i>Shigella</i> not speciated	75
Total <i>Shigella</i> infections (provisional data)	229

[‡] Sub-typing 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.

About Public Health England

Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-class science, 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 are a distinct delivery organisation with operational autonomy to advise and support government, local authorities and the NHS in a professionally independent manner.

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.

Public Health England, Wellington House, 133-155 Waterloo Road, London SE1 8UG

Tel: 020 7654 8000 www.gov.uk/phe

Twitter: @PHE_uk Facebook: www.facebook.com/PublicHealthEngland

Queries relating to this document should be directed to:

EEDD@phe.gov.uk

© Crown copyright 2019

You may re-use this information (excluding logos) free of charge in any format or medium, under the terms of the Open Government Licence v3.0. To view this licence, visit [OGL](https://www.ogil.io) or email psi@nationalarchives.gsi.gov.uk. Where we have identified any third party copyright information you will need to obtain permission from the copyright holders concerned.

Published: January 2019

PHE publications gateway number: 2018-731

