

Supplementary tables and figures

Table S1. Classification of risk groups

NACE code*	Description
Risk group 1 – Contact with live animals and animal manure	
01410	Raising of dairy cattle
01420	Raising of other cattle and buffaloes
01430	Raising of horses and other equines
01450	Raising of sheep and goats
01460	Raising of swine and pigs
01470	Raising of poultry
01490	Raising of other animals
01500	Mixed farming
01620	Support activities for animal production
10110	Processing and preserving of meat
10120	Processing and preserving of poultry meat
20150	Manufacture of fertilizers and nitrogen compounds
37000	Sewerage
38210	Treatment and disposal of non-hazardous waste**
46231	Wholesale of live farm animals
46232	Wholesale of live pets
75000	Veterinary activities
91041	(Petting) zoos
Risk group 2 – Production and handling of food products	
10130	Production of meat and poultry meat products
10510	Operation of dairies and cheese making
10520	Manufacture of ice cream
10710	Manufacture of bread; manufacture of fresh pastry goods and cakes
10730	Manufacture of macaroni, noodles, couscous and similar farinaceous products
10840	Manufacture of condiments and seasonings
10850	Manufacture of prepared meals and dishes
10890	Manufacture of other food products n.e.c.
10910	Manufacture of prepared feeds for farm animals
10920	Manufacture of prepared pet foods
55101	Hotel-restaurants
56101	Restaurants
56102	Fast food restaurants and mobile food service activities
56210	Event catering activities
56290	Other food service activities (e.g. canteens)
Risk group 3 – Sale of animal products	
46320	Wholesale of meat and meat products
46331	Wholesale of dairy products
46332	Wholesale of eggs
47221	Retail sale of meat and charcuterie in specialized stores
47222	Retail sale of game meat and poultry meat in specialized stores
47230	Retail sale of fish, crustacean and mollusks in specialized stores
47241	Retail sale of bread, cakes, flour confectionary in specialized stores
47291	Retail sale of cheese in specialized stores

* NACE code (first 4 digits), Netherlands' specific digit (fifth)

** includes processing/disposal/destruction of slurry and animal carcasses.

Table S2. IRs of salmonellosis and campylobacteriosis in the Dutch employed population

	Salmonellosis		Campylobacteriosis	
	Obs	IR (95%CI) §	Obs	IR (95%CI) §
Total	8,220	6.51 (6.36-6.65)	14,352	15.54 (15.29-15.79)
Gender				
Male	4,174	6.06 (5.88-6.25)	7,584	15.31 (14.97-15.65)
Female	4,046	7.04 (6.82-7.25)	6,768	15.81 (15.43-16.18)
<i>Salmonella</i> serovar or <i>Campylobacter</i> species				
<i>S. Typhimurium</i>	2,113	1.67 (1.60-1.74)	-	-
<i>S. Enteritidis</i>	3,263	2.58 (2.49-2.67)	-	-
Other <i>Salmonella</i> serovars	2,844	2.25 (2.17-2.33)	-	-
<i>C. jejuni</i>	-	-	13,377	14.48 (14.24-14.73)
<i>C. coli</i>	-	-	975	1.06 (0.99-1.12)
Type of infection				
Enteric	7,672	6.07 (5.94-6.21)	-	-
Septicemic	226	0.18 (0.16-0.20)	-	-
Other [‡]	322	0.25 (0.23-0.28)	-	-
Age group				
16-19 years	1,024	12.72 (11.94-13.50)	1332	22.89 (21.67-24.12)
20-29 years	2,930	10.85 (10.45-11.24)	4285	22.46 (21.79-23.13)
30-39 years	1,428	4.69 (4.45-4.93)	2419	11.52 (11.06-11.98)
40-49 years	1,352	4.33 (4.10-4.56)	2763	11.98 (11.53-12.43)
≥50 years	1,486	5.02 (4.77-5.28)	3553	15.19 (14.69-15.69)
Total number of individuals exposed	12,566,831		11,615,429	
Years of data	1999-2016		2004-2016	

Obs: observed numbers. IR: incidence rate. § per 100,000 person-years. ‡ *Salmonella* isolated from urinary or wounds.

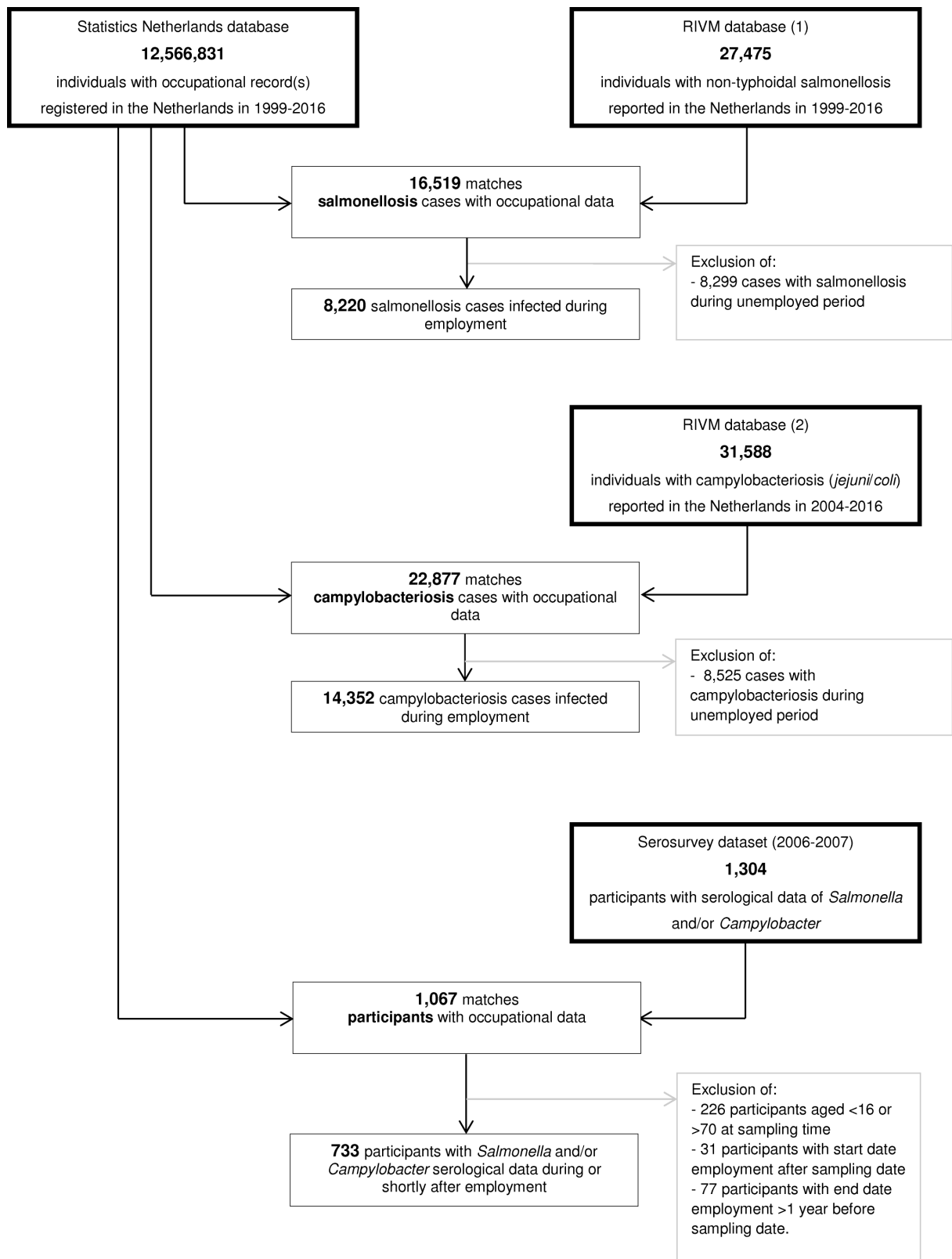


Figure S1. Schematic representation of the data management process.

Table S3. SIRs of salmonellosis and campylobacteriosis by division

Div	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Crop and animal production, hunting	105	119.2	0.88 (0.73-1.07)	141	181.2	0.78 (0.66-0.92)**
Forestry and logging	1	1.4	0.69 (0.09-4.93)	1	2.5	0.39 (0.06-2.78)
Fishing and aquaculture	2	1.5	1.36 (0.34-5.45)	5	2.4	2.06 (0.86-4.95)
Extraction of crude petroleum and natural gas	6	3.4	1.75 (0.79-3.89)	16	6.3	2.54 (1.56-4.15)***
Other mining and quarrying	5	1.9	2.61 (1.08-6.26)	5	3.5	1.42 (0.59-3.41)
Mining support service activities	5	2.8	1.78 (0.74-4.27)	9	5.8	1.55 (0.80-2.97)
Manufacture of food products	126	132.8	0.95 (0.80-1.13)	230	225.2	1.02 (0.90-1.16)
Manufacture of beverages	5	7.8	0.64 (0.27-1.54)	8	13.1	0.61 (0.31-1.22)
Manufacture of tobacco products	4	3.6	1.11 (0.42-2.97)	7	5.6	1.24 (0.59-2.60)
Manufacture of textiles	16	13.4	1.19 (0.73-1.94)	20	21.0	0.95 (0.61-1.47)
Manufacture of wearing apparel	7	4.0	1.75 (0.84-3.68)	4	4.6	0.87 (0.33-2.31)
Manufacture of leather (products)	1	2.1	0.47 (0.07-3.31)	3	3.2	0.95 (0.31-2.95)
Manufacture of wood/cork etc	17	16.5	1.03 (0.64-1.66)	22	27.1	0.82 (0.53-1.23)
Manufacture of paper (products)	15	19.5	0.77 (0.46-1.28)	51	34.1	1.50 (1.14-1.97)**
Printing and reproduction of recorded media	28	35.0	0.80 (0.55-1.16)	44	53.1	0.83 (0.62-1.11)
Manufacture of coke and refined petroleum products	7	5.2	1.34 (0.64-2.82)	13	10.6	1.22 (0.71-2.10)
Manufacture of chemicals	59	42.6	1.38 (1.07-1.79)*	112	81.0	1.38 (1.15-1.66)**
Manufacture of basic pharmaceutical products and preparations	8	8.0	1.00 (0.50-1.99)	15	22.6	0.66 (0.40-1.10)
Manufacture of rubber and plastic	38	31.1	1.22 (0.89-1.68)	65	56.0	1.16 (0.91-1.48)
Manufacture of other non-metallic mineral products	23	25.1	0.92 (0.61-1.38)	45	44.6	1.01 (0.75-1.35)
Manufacture of basic metals	13	20.3	0.64 (0.37-1.10)	38	38.5	0.99 (0.72-1.36)
Manufacture of fabricated metal products	99	89.2	1.11 (0.92-1.35)	153	158.6	0.96 (0.82-1.13)
Manufacture of computer, electronic and optical products	33	28.6	1.15 (0.82-1.62)	45	48.3	0.93 (0.70-1.25)
Manufacture of electrical equipment	9	13.2	0.68 (0.36-1.31)	43	33.2	1.29 (0.96-1.75)
Manufacture of machinery and equipment	59	45.5	1.30 (1.01-1.67)*	114	124.7	0.91 (0.76-1.10)
Manufacture of motor vehicles	22	16.8	1.31 (0.86-1.99)	28	34.2	0.82 (0.56-1.18)
Manufacture of other transport equipment	12	10.9	1.11 (0.63-1.95)	37	28.2	1.31 (0.95-1.81)
Manufacture of furniture	9	15.8	0.57 (0.30-1.09)	33	33.2	0.99 (0.71-1.40)
Other manufacturing	183	115.8	1.58 (1.37-1.83)***	323	230.7	1.40 (1.26-1.56)***
Repair/installation of machinery	31	22.3	1.39 (0.98-1.98)	61	62.2	0.98 (0.76-1.26)
Electricity, gas, steam and air conditioning supply	17	23.2	0.73 (0.46-1.18)	67	43.9	1.53 (1.20-1.94)**
Water collection, treatment and supply	4	5.3	0.75 (0.28-2.01)	13	10.0	1.30 (0.76-2.24)
Sewerage	3	4.0	0.75 (0.24-2.33)	9	7.7	1.18 (0.61-2.26)
Waste collection, treatment and disposal activities	31	23.3	1.33 (0.94-1.89)	54	44.8	1.21 (0.92-1.57)
Remediation activities and other waste management services	4	1.19	3.35 (1.26-8.94)	6	2.9	2.06 (0.92-4.58)
Construction of buildings	64	64.1	1.00 (0.78-1.27)	141	169.7	0.83 (0.70-0.98)*
Civil engineering	39	53.3	0.73 (0.53-1.00)	97	100.1	0.97 (0.79-1.18)
Specialised construction activities	24	218.1	0.98 (0.86-1.12)	370	373.9	0.99 (0.89-1.10)
Wholesale, retail trade and repair of motor vehicles	117	136.6	0.86 (0.71-1.03)	224	231.0	0.97 (0.85-1.11)
Wholesale trade	403	431.5	0.93 (0.85-1.03)	716	845.7	0.85 (0.79-0.91)***
Retail trade	1000	1041.5	0.96 (0.90-1.02)	1621	1621.3	1.00 (0.95-1.05)
Land transport	157	185.1	0.85 (0.73-0.99)*	365	345.0	1.06 (0.95-1.17)
Water transport	23	15.5	1.48 (0.99-2.23)	32	27.8	1.15 (0.81-1.63)
Air transport	83	69.4	1.20 (0.96-1.48)	43	49.6	0.87 (0.64-1.17)
Warehousing and support activities for transportation	87	74.7	1.17 (0.94-1.44)	153	144.0	1.06 (0.91-1.25)
Postal and courier activities	84	85.5	0.98 (0.79-1.22)	140	144.2	0.97 (0.82-1.15)
Accommodation	102	95.5	1.06 (0.87-1.28)	213	155.0	1.37 (1.20-1.57)***

Food and beverage service activities	396	393.2	1.01 (0.91-1.11)	641	632.0	1.01 (0.94-1.10)
Publishing activities	31	39.7	0.78 (0.55-1.11)	69	60.0	1.15 (0.91-1.46)
Motion picture, video, television programme production etc	19	17.7	1.07 (0.68-1.68)	20	28.2	0.71 (0.46-1.10)
Programming and broadcasting activities	9	7.5	1.20 (0.62-2.31)	6	13.8	0.43 (0.20-0.97)
Telecommunications	36	42.5	0.85 (0.61-1.17)	59	64.5	0.92 (0.71-1.18)
Computer programming, consultancy and related activities	80	91.9	0.87 (0.70-1.08)	149	240.5	0.62 (0.53-0.73)***
Information service activities	11	7.9	1.39 (0.77-2.50)	17	19.6	0.87 (0.54-1.40)
Financial service activities, except insurance and pension funding	125	145.8	0.86 (0.72-1.02)	200	256.3	0.78 (0.68-0.90)***
Insurance, reinsurance and pension funding	56	63.4	0.88 (0.68-1.15)	126	121.7	1.04 (0.87-1.23)
Activities auxiliary to financial services and insurance activities	59	58.5	1.01 (0.78-1.30)	72	100.1	0.72 (0.57-0.91)**
Real estate activities	83	68.8	1.21 (0.97-1.50)	114	128.6	0.89 (0.74-1.07)
Legal and accounting activities	133	139.7	0.95 (0.80-1.13)	220	241.0	0.91 (0.80-1.04)
Activities of head offices; management consultancy activities	134	141.5	0.95 (0.80-1.12)	191	279.0	0.68 (0.59-0.79)***
Architectural and engineering activities; technical testing and analysis	79	102.8	0.77 (0.62-0.96)*	162	191.3	0.85 (0.73-0.99)*
Scientific research and development	34	34.8	0.98 (0.70-1.37)	49	63.0	0.78 (0.59-1.03)
Advertising and market research	61	62.7	0.97 (0.76-1.25)	76	93.4	0.81 (0.65-1.02)
Other professional, scientific and technical activities	12	20.0	0.60 (0.34-1.06)	36	44.1	0.82 (0.59-1.13)
Veterinary activities	15	7.4	2.03 (1.22-3.37)**	26	13.3	1.96 (1.33-2.87)**
Rental and leasing activities	37	30.3	1.22 (0.88-1.68)	48	53.4	0.90 (0.68-1.19)
Employment activities	640	672.8	0.95 (0.88-1.03)	1,170	1106.3	1.05 (1.00-1.12)
Travel agency, tour operator reservation service etc	28	28.5	0.98 (0.68-1.42)	46	44.1	1.04 (0.78-1.39)
Security and investigation activities	34	33.1	1.03 (0.73-1.44)	62	64.8	0.96 (0.75-1.23)
Services to buildings and landscape activities	184	176.2	1.04 (0.90-1.21)	247	287.5	0.86 (0.76-0.97)*
Office administrative, office support etc	30	32.4	0.93 (0.65-1.33)	60	67.7	0.89 (0.69-1.14)
Public administration and defence; compulsory social security	513	506.6	1.01 (0.93-1.10)	987	944.0	1.05 (0.98-1.11)
Education	428	502.3	0.85 (0.78-0.94)**	857	934.6	0.92 (0.86-0.98)*
Human health activities	550	492	1.12 (1.03-1.21)*	1,123	918.6	1.22 (1.15-1.30)***
Residential care activities	559	478.3	1.17 (1.08-1.27)***	981	835.4	1.17 (1.10-1.25)***
Social work activities without accommodation	362	331.6	1.09 (0.98-1.21)	686	620.5	1.11 (1.03-1.19)**
Creative, arts and entertainment activities	20	24.5	0.82 (0.53-1.26)	47	47.5	0.99 (0.74-1.32)
Libraries, archives, museums and other cultural activities	26	22.5	1.15 (0.79-1.70)	50	42.1	1.19 (0.90-1.57)
Gambling and betting activities	8	9.0	0.89 (0.44-1.78)	19	15.8	1.20 (0.77-1.88)
Sports activities and amusement and recreation activities	95	84.7	1.12 (0.92-1.37)	157	152.9	1.03 (0.88-1.20)
Activities of membership organizations	74	81.1	0.91 (0.73-1.15)	113	140.0	0.81 (0.67-0.97)*
Repair of computers and personal/household goods	3	5.6	0.54 (0.17-1.67)	9	10.7	0.84 (0.44-1.62)
Other personal service activities	75	79.7	0.94 (0.75-1.18)	144	131.1	1.10 (0.93-1.29)
Activities of households as employers of domestic personnel	26	23.2	1.12 (0.76-1.65)	82	57.8	1.42 (1.14-1.76)**
Undifferentiated goods- and services-producing activities of private households for own use	0	0.003	-	0	0.01	-
Activities of extraterritorial organizations and bodies	0	1.6	-	4	3.6	1.12 (0.42-2.99)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S4. SIRs of salmonellosis and campylobacteriosis in the 'veterinary activities' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	3	0.9	3.26 (1.05-10.09)*	4	1.8	2.22 (0.84-5.93)
Female	12	6.5	1.86 (1.05-3.27)*	22	11.5	1.91 (1.26-2.91)**
Serovar/species						
<i>S. Typhimurium</i>	9	1.82	4.94 (2.57-9.50)***	-	-	-
<i>S. Enteritidis</i>	2	2.8	0.71 (0.18-2.85)	-	-	-
<i>Salmonella</i> other	4	2.8	1.45 (0.54-3.86)	-	-	-
<i>C. jejuni</i>	-	-	-	24	12.4	1.93 (1.29-2.88)**
<i>C. coli</i>	-	-	-	2	0.9	2.30 (0.58-9.20)
Age group						
16-19 years	1	0.2	4.34 (0.62-30.82)	0	0.3	-
20-29 years	10	4.1	2.44 (1.31-4.54)**	14	6.7	2.10 (1.24-3.54)**
30-39 years	0	1.6	-	5	2.9	1.70 (0.71-4.08)
40-49 years	2	0.8	2.36 (0.59-9.43)	3	1.8	1.62 (0.52-5.03)
≥50 years	2	0.6	3.12 (0.78-12.46)	4	1.6	2.57 (0.96-6.83)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S5. SIRs of salmonellosis and campylobacteriosis in the 'manufacture of chemicals' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	48	33.9	1.42 (1.07-1.88)*	96	66.5	1.44 (1.18-1.76)***
Female	11	8.7	1.26 (0.70-2.27)	16	14.5	1.10 (0.68-1.80)
Serovar/species						
<i>S. Typhimurium</i>	9	9.6	0.94 (0.49-1.80)	-	-	-
<i>S. Enteritidis</i>	26	17.6	1.48 (1.01-2.17)*	-	-	-
<i>Salmonella</i> other	24	15.4	1.55 (1.04-2.32)*	-	-	-
<i>C. jejuni</i>	-	-	-	101	75.5	1.34 (1.10-1.63)**
<i>C. coli</i>	-	-	-	11	5.6	1.97 (1.09-3.56)*
Age group						
16-19 years	0	0.7	-	0	0.9	-
20-29 years	9	8.7	1.03 (0.54-1.98)	15	11.5	1.30 (0.78-2.16)
30-39 years	13	10.2	1.28 (0.74-2.21)	24	14.9	1.61 (1.08-2.40)*
40-49 years	18	11.3	1.59 (1.00-2.52)*	32	23.8	1.35 (0.95-1.90)
≥50 years	19	11.7	1.63 (1.04-2.55)*	41	29.9	1.37 (1.01-1.86)*

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S6. SIRs of salmonellosis and campylobacteriosis in the 'manufacture of paper (products)' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	15	16.0	0.94 (0.57-1.56)	49	28.9	1.70 (1.28-2.24)***
Female	0	3.5	-	2	5.2	0.38 (0.10-1.53)
Serovar/species						
<i>S. Typhimurium</i>	7	4.3	1.61 (0.77-3.38)	-	-	-
<i>S. Enteritidis</i>	3	8.3	0.36 (0.12-1.12)	-	-	-
<i>Salmonella</i> other	5	6.9	0.73 (0.30-1.75)	-	-	-
<i>C. jejuni</i>	-	-	-	50	31.7	1.58 (1.19-2.08)**
<i>C. coli</i>	-	-	-	1	2.4	0.42 (0.06-2.99)
Age group						
16-19 years	0	0.5	-	0	0.5	-
20-29 years	2	3.9	0.51 (0.13-2.03)	4	4.4	0.90 (0.34-2.40)
30-39 years	2	4.8	0.42 (0.10-1.66)	9	6.1	1.46 (0.76-2.81)
40-49 years	4	5.3	0.75 (0.28-2.01)	19	10.9	1.75 (1.11-2.74)*
≥50 years	7	4.9	1.42 (0.68-2.99)	19	12.1	1.57 (1.00-2.47)*

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S7. SIRs of salmonellosis and campylobacteriosis in the 'extraction of crude petroleum and natural gas' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)

Male	4	2.9	1.38 (0.51-3.67)	14	5.4	2.59 (1.54-4.38)***
Female	2	0.5	3.78 (0.95-15.12)	2	0.9	2.22 (0.56-8.89)
Serovar/species						
<i>S. Typhimurium</i>	0	0.7	-	-	-	-
<i>S. Enteritidis</i>	4	1.4	2.76 (1.03-7.37)*	-	-	-
<i>Salmonella</i> other	2	1.2	1.60 (0.40-6.41)	-	-	-
<i>C. jejuni</i>	-	-	-	16	5.9	2.72 (1.67-4.45)***
<i>C. coli</i>	-	-	-	0	0.4	-
Age group						
16-19 years	0	0.01	-	0	0.01	-
20-29 years	0	0.5	-	2	0.8	2.66 (0.66-10.62)
30-39 years	1	0.7	1.42 (0.20-10.08)	3	1.1	2.65 (0.86-8.23)
40-49 years	3	1.1	2.72 (0.88-8.43)	4	1.7	2.42 (0.91-6.45)
≥50 years	2	1.1	1.82 (0.45-7.27)	7	2.8	2.54 (1.21-5.33)*

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S8. SIRs of salmonellosis and campylobacteriosis in the 'electricity, gas, steam and air conditioning supply' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	10	17.9	0.56 (0.30-1.04)	52	34.1	1.53 (1.16-2.00)**
Female	7	5.3	1.32 (0.63-2.77)	15	9.8	1.53 (0.92-2.54)
Serovar/species						
<i>S. Typhimurium</i>	3	5.2	0.58 (0.19-1.80)	-	-	-
<i>S. Enteritidis</i>	7	9.3	0.75 (0.36-1.58)	-	-	-
<i>Salmonella</i> other	7	8.7	0.81 (0.39-1.70)	-	-	-
<i>C. jejuni</i>	-	-	-	60	41.0	1.46 (1.14-1.89)**
<i>C. coli</i>	-	-	-	7	2.9	2.41 (1.15-5.05)*
Age group						
16-19 years	0	0.2	-	0	0.3	-
20-29 years	5	4.5	1.10 (0.46-2.65)	9	7.7	1.18 (0.61-2.26)
30-39 years	6	4.7	1.29 (0.58-2.87)	15	8.1	1.84 (1.11-3.06)*
40-49 years	3	5.8	0.52 (0.17-1.60)	10	9.9	1.01 (0.54-1.87)
≥50 years	3	7.9	0.38 (0.12-1.17)	33	17.9	1.85 (1.31-2.60)***

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S9. SIRs of salmonellosis and campylobacteriosis in the 'manufacturing of machinery and equipment' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	55	39.2	1.40 (1.08-1.83)*	101	110.1	0.92 (0.75-1.11)
Female	4	6.2	0.64 (0.24-1.71)	13	14.6	0.89 (0.52-1.53)
Serovar/species						
<i>S. Typhimurium</i>	18	12.5	1.44 (0.91-2.29)	-	-	-
<i>S. Enteritidis</i>	19	15.3	1.24 (0.79-1.95)	-	-	-
<i>Salmonella</i> other	22	17.7	1.24 (0.82-1.89)	-	-	-
<i>C. jejuni</i>	-	-	-	103	116.2	0.89 (0.73-1.08)
<i>C. coli</i>	-	-	-	11	8.5	1.29 (0.71-2.33)
Age group						
16-19 years	0	2.3	-	4	4.0	1.00 (0.38-2.67)
20-29 years	18	12.8	1.41 (0.89-2.24)	20	24.3	0.82 (0.53-1.28)
30-39 years	15	9.5	1.58 (0.95-2.62)	24	23.8	1.01 (0.67-1.50)
40-49 years	20	9.8	2.04 (1.31-3.16)**	26	32.4	0.80 (0.55-1.18)
≥50 years	6	11.1	0.54 (0.24-1.21)	40	40.2	1.00 (0.73-1.36)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S10. SIRs of salmonellosis and campylobacteriosis in the 'other manufacturing' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	127	79.1	1.61 (1.35-1.91)***	233	164.2	1.42 (1.25-1.61)***
Female	56	36.8	1.52 (1.17-1.98)**	90	66.5	1.35 (1.10-1.66)**
Serovar/species						
<i>S. Typhimurium</i>	56	26.3	2.13 (1.64-2.76)***	-	-	-

S. Enteritidis	58	46.8	1.24 (0.96-1.60)	-	-	-
Salmonella other	69	42.7	1.62 (1.28-2.05)***	-	-	-
C. jejuni	-	-	-	300	214.7	1.40 (1.25-1.56)***
C. coli	-	-	-	23	16.0	1.44 (0.95-2.16)

Age group

16-19 years	3	2.4	1.23 (0.40-3.81)	1	2.6	0.39 (0.05-2.75)
20-29 years	26	24.0	1.08 (0.74-1.59)	20	34.5	0.58 (0.37-0.90)*
30-39 years	27	19.1	1.41 (0.97-2.06)	51	31.3	1.63 (1.24-2.14)**
40-49 years	46	28.0	1.64 (1.23-2.20)**	101	55.3	1.83 (1.50-2.22)***
≥50 years	81	42.3	1.92 (1.54-2.38)***	150	107.0	1.40 (1.19-1.64)***

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S11. SIRs of salmonellosis and campylobacteriosis in the 'human health activities' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	123	102.8	1.20 (1.00-1.43)*	262	213.4	1.23 (1.09-1.39)**
Female	427	389.9	1.10 (1.00-1.20)	861	705.2	1.22 (1.14-1.31)***

Serovar/species

S.Typhimurium	121	113.5	1.07 (0.89-1.27)	-	-	-
S. Enteritidis	212	193.4	1.10 (0.96-1.25)	-	-	-
Salmonella other	217	185.8	1.17 (1.02-1.33)*	-	-	-
C. jejuni	-	-	-	1,055	855.4	1.23 (1.16-1.31)***
C. coli	-	-	-	68	63.3	1.08 (0.85-1.36)

Age group

16-19 years	27	19.2	1.41 (0.96-2.05)	32	26.0	1.23 (0.87-1.74)
20-29 years	205	176.4	1.16 (1.01-1.33)*	354	281.0	1.26 (1.14-1.40)***
30-39 years	92	93.7	0.98 (0.80-1.20)	182	166.4	1.09 (0.95-1.26)
40-49 years	107	98.9	1.08 (0.89-1.31)	244	200.2	1.22 (1.07-1.38)**
≥50 years	119	104.4	1.14 (0.95-1.36)	311	245.0	1.27 (1.14-1.42)***

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S12. SIRs of salmonellosis and campylobacteriosis in the 'residential care activities' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	81	60.2	1.34 (1.08-1.67)**	153	116.6	1.31 (1.12-1.54)**
Female	478	418.1	1.14 (1.05-1.25)**	828	718.8	1.15 (1.08-1.23)***

Serovar/species

S.Typhimurium	144	113.9	1.26 (1.07-1.49)**	-	-	-
S. Enteritidis	220	188.8	1.17 (1.02-1.33)*	-	-	-
Salmonella other	195	175.6	1.11 (0.96-1.28)	-	-	-
C. jejuni	-	-	-	912	778.2	1.17 (1.10-1.25)***
C. coli	-	-	-	69	57.3	1.20 (0.95-1.53)

Age group

16-19 years	57	45.7	1.25 (0.96-1.62)	67	64.4	1.04 (0.82-1.32)
20-29 years	214	176.5	1.21 (1.06-1.39)	329	271.2	1.21 (1.09-1.35)***
30-39 years	82	72.4	1.13 (0.91-1.41)	155	120.7	1.28 (1.10-1.50)**
40-49 years	98	88.6	1.11 (0.91-1.35)	196	169.0	1.16 (1.01-1.33)*
≥50 years	108	95.0	1.14 (0.94-1.37)	234	210.1	1.11 (0.98-1.27)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S13. SIRs of salmonellosis and campylobacteriosis in the 'social work activities without accommodation' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	27	31.3	0.86 (0.59-1.26)	67	61.9	1.08 (0.85-1.38)
Female	335	300.3	1.12 (1.00-1.24)*	619	558.6	1.10 (1.02-1.20)*

Serovar/species

S.Typhimurium	95	77.8	1.22 (1.00-1.49)	-	-	-
S. Enteritidis	135	127.7	1.06 (0.89-1.25)	-	-	-
Salmonella other	132	126.1	1.05 (0.88-1.24)	-	-	-
C. jejuni	-	-	-	636	577.7	1.10 (1.02-1.19)*
C. coli	-	-	-	50	42.8	1.17 (0.89-1.54)

Age group

16-19 years	37	18.7	1.98 (1.43-2.73)***	24	29.0	0.83 (0.56-1.24)
20-29 years	128	127.2	1.01 (0.85-1.20)	229	216.6	1.06 (0.93-1.20)

30-39 years	67	52.2	1.28 (1.01-1.63)*	102	97.9	1.04 (0.86-1.26)
40-49 years	59	61.8	0.95 (0.74-1.23)	155	124.5	1.25 (1.06-1.46)**
≥50 years	71	71.7	0.99 (0.78-1.25)	176	152.5	1.15 (1.00-1.34)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S14. SIRs of salmonellosis and campylobacteriosis in the 'accommodation' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	53	39.3	1.35 (1.03-1.76)*	103	63.7	1.62 (1.33-1.96)***
Female	49	57.2	0.86 (0.65-1.13)	110	91.3	1.20 (1.00-1.45)
Serovar/species						
<i>S.</i> Typhimurium	32	28.6	1.12 (0.79-1.58)	-	-	-
<i>S.</i> Enteritidis	45	37.2	1.21 (0.90-1.62)	-	-	-
<i>Salmonella</i> other	25	30.8	0.81 (0.55-1.20)	-	-	-
<i>C.</i> jejuni	-	-	-	202	144.9	1.39 (1.21-1.60)***
<i>C.</i> coli	-	-	-	11	10.2	1.08 (0.60-1.95)
Age group						
16-19 years	26	24.6	1.06 (0.72-1.55)	51	33.2	1.54 (1.17-2.02)**
20-29 years	54	46.1	1.17 (0.90-1.53)	100	70.5	1.42 (1.17-1.73)***
30-39 years	9	10.2	0.88 (0.46-1.70)	17	17.5	0.97 (0.61-1.57)
40-49 years	7	7.8	0.90 (0.43-1.88)	21	16.1	1.30 (0.85-2.00)
≥50 years	6	7.8	0.76 (0.34-1.70)	24	17.8	1.35 (0.90-2.01)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S15. SIRs of salmonellosis and campylobacteriosis in the 'activities of households as employers of domestic personnel' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	1	4.4	0.23 (0.03-1.61)	15	12.7	1.18 (0.71-1.95)
Female	25	18.8	1.33 (0.90-1.97)	67	45.1	1.49 (1.17-1.89)**
Serovar/species						
<i>S.</i> Typhimurium	3	6.0	0.50 (0.17-1.56)	-	-	-
<i>S.</i> Enteritidis	9	7.0	1.29 (0.67-2.47)	-	-	-
<i>Salmonella</i> other	14	10.2	1.37 (0.81-2.31)	-	-	-
<i>C.</i> jejuni	-	-	-	76	53.9	1.41 (1.13-1.77)**
<i>C.</i> coli	-	-	-	6	4.0	1.51 (0.68-3.37)
Age group						
16-19 years	4	1.7	2.36 (0.89-6.29)	4	3.2	1.24 (0.46-3.29)
20-29 years	4	8.4	0.48 (0.18-1.27)	18	16.9	1.06 (0.67-1.69)
30-39 years	4	2.9	1.38 (0.52-3.69)	12	7.4	1.62 (0.92-2.86)
40-49 years	8	4.0	2.02 (1.01-4.04)*	23	12.7	1.81 (1.20-2.72)**
≥50 years	6	6.3	0.95 (0.43-2.12)	25	17.6	1.42 (0.96-2.10)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S16. SIRs of salmonellosis and campylobacteriosis in the 'architectural and engineering activities; technical testing and analysis' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	59	76.8	0.77 (0.59-0.99)*	122	147.1	0.83 (0.69-0.99)*
Female	20	26.0	0.77 (0.50-1.19)	40	44.2	0.90 (0.66-1.23)
Serovar/species						
<i>S.</i> Typhimurium	17	25.2	0.67 (0.42-1.08)	-	-	-
<i>S.</i> Enteritidis	33	40.8	0.81 (0.58-1.14)	-	-	-
<i>Salmonella</i> other	29	36.8	0.79 (0.55-1.13)	-	-	-
<i>C.</i> jejuni	-	-	-	148	178.4	0.83 (0.71-0.97)*
<i>C.</i> coli	-	-	-	14	13.0	1.08 (0.64-1.82)
Age group						
16-19 years	3	3.0	1.00 (0.32-3.12)	5	3.6	1.37 (0.57-3.30)
20-29 years	33	37.4	0.88 (0.63-1.24)	45	52.1	0.86 (0.64-1.16)
30-39 years	16	24.8	0.65 (0.40-1.05)	42	44.1	0.95 (0.70-1.29)
40-49 years	13	17.9	0.73 (0.42-1.25)	21	39.9	0.53 (0.34-0.81)**
≥50 years	14	19.8	0.71 (0.42-1.19)	49	51.6	0.95 (0.72-1.26)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S17. SIRs of salmonellosis and campylobacteriosis in the 'computer programming and consultancy' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	59	71.5	0.82 (0.64-1.06)	122	191.9	0.64 (0.53-0.76)***
Female	21	20.4	1.03 (0.67-1.58)	27	48.5	0.56 (0.38-0.81)**
Serovar/species						
S.Typhimurium	20	25.2	0.80 (0.51-1.23)	-	-	-
S. Enteritidis	22	30.9	0.71 (0.46-1.08)	-	-	-
Salmonella other	38	35.9	1.06 (0.77-1.46)	-	-	-
C. jejuni	-	-	-	136	224.4	0.61 (0.51-0.72)***
C. coli	-	-	-	13	16.1	0.81 (0.47-1.39)
Age group						
16-19 years	2	2.0	0.98 (0.24-3.91)	2	3.6	0.55 (0.14-2.20)
20-29 years	34	37.6	0.90 (0.65-1.26)	59	74.9	0.79 (0.61-1.02)
30-39 years	25	25.5	0.98 (0.66-1.45)	37	66.6	0.56 (0.40-0.77)***
40-49 years	14	15.9	0.88 (0.52-1.49)	30	54.8	0.55 (0.38-0.78)**
≥50 years	5	10.8	0.46 (0.19-1.11)	21	40.5	0.52 (0.34-0.80)**

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S18. SIRs of salmonellosis and campylobacteriosis in the 'financial service activities' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	70	77.2	0.91 (0.72-1.15)	115	149.1	0.77 (0.64-0.93)**
Female	55	68.6	0.80 (0.62-1.04)	85	107.2	0.79 (0.64-0.98)*
Serovar/species						
S.Typhimurium	20	32.4	0.62 (0.40-0.96)*	-	-	-
S. Enteritidis	47	60.7	0.77 (0.58-1.03)	-	-	-
Salmonella other	58	52.8	1.10 (0.85-1.42)	-	-	-
C. jejuni	-	-	-	190	238.8	0.80 (0.69-0.92)**
C. coli	-	-	-	10	17.5	0.57 (0.31-1.06)
Age group						
16-19 years	3	2.7	1.11 (0.36-3.45)	2	2.9	0.70 (0.17-2.78)
20-29 years	36	40.5	0.89 (0.64-1.23)	40	49.0	0.82 (0.60-1.11)
30-39 years	35	39.1	0.89 (0.64-1.25)	44	64.2	0.69 (0.51-0.92)*
40-49 years	22	33.7	0.65 (0.43-0.99)*	51	68.6	0.74 (0.56-0.98)*
≥50 years	29	29.8	0.97 (0.68-1.40)	63	71.7	0.88 (0.69-1.13)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S19. SIRs of salmonellosis and campylobacteriosis in the 'activities auxiliary to financial services and insurance activities' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	30	29.2	1.03 (0.72-1.47)	37	54.5	0.68 (0.49-0.94)*
Female	29	29.3	0.99 (0.69-1.42)	35	45.6	0.77 (0.55-1.07)
Serovar/species						
S.Typhimurium	4	13.9	0.29 (0.11-0.77)*	-	-	-
S. Enteritidis	30	24.2	1.24 (0.87-1.78)	-	-	-
Salmonella other	25	20.5	1.22 (0.83-1.81)	-	-	-
C. jejuni	-	-	-	66	93.2	0.71 (0.56-0.90)**
C. coli	-	-	-	6	6.9	0.87 (0.39-1.94)
Age group						
16-19 years	1	3.4	0.29 (0.04-2.09)	1	3.4	0.30 (0.04-2.09)
20-29 years	27	20.5	1.32 (0.90-1.92)	13	25.8	0.50 (0.29-0.87)*
30-39 years	14	13.6	1.03 (0.61-1.74)	19	22.9	0.83 (0.53-1.30)
40-49 years	8	11.0	0.73 (0.36-1.45)	21	24.2	0.87 (0.57-1.33)
≥50 years	9	10.0	0.90 (0.47-1.74)	18	23.9	0.75 (0.48-1.20)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S20. SIRs of salmonellosis and campylobacteriosis in the 'activities of head offices; management consultancy activities' sector

	Salmonellosis			Campylobacteriosis		
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Gender	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	73	83.2	0.88 (0.70-1.10)	133	176.8	0.75 (0.63-0.89)**
Female	61	58.2	1.05 (0.82-1.35)	58	102.1	0.57 (0.44-0.73)***
Serovar/species						
S.Typhimurium	28	34.9	0.80 (0.55-1.16)	-	-	-
S. Enteritidis	50	55.4	0.90 (0.68-1.19)	-	-	-
Salmonella other	56	51.2	1.09 (0.84-1.42)	-	-	-
C. jejuni	-	-	-	171	259.9	0.66 (0.57-0.76)***
C. coli	-	-	-	20	19.1	1.05 (0.68-1.62)
Age group						
16-19 years	13	6.9	1.88 (1.09-3.24)*	8	8.6	0.93 (0.46-1.85)
20-29 years	48	48.4	0.99 (0.75-1.32)	54	73.5	0.74 (0.56-0.96)*
30-39 years	22	31.5	0.70 (0.46-1.06)	38	58.9	0.64 (0.47-0.89)**
40-49 years	26	26.5	0.98 (0.67-1.44)	37	63.7	0.58 (0.42-0.80)**
≥50 years	25	28.2	0.89 (0.60-1.31)	54	74.2	0.73 (0.56-0.95)*

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S21. SIRs of salmonellosis and campylobacteriosis in the 'activities of membership organizations' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	33	40.1	0.82 (0.58-1.16)	56	67.0	0.84 (0.64-1.09)
Female	41	40.9	1.00 (0.74-1.36)	57	73.0	0.78 (0.60-1.01)
Serovar/species						
S.Typhimurium	16	20.8	0.77 (0.47-1.25)	-	-	-
S. Enteritidis	26	32.5	0.80 (0.54-1.18)	-	-	-
Salmonella other	32	27.7	1.15 (0.82-1.63)	-	-	-
C. jejuni	-	-	-	107	130.1	0.82 (0.68-0.99)*
C. coli	-	-	-	6	9.9	0.61 (0.27-1.35)
Age group						
16-19 years	13	11.9	1.09 (0.63-1.88)	10	11.2	0.89 (0.48-1.66)
20-29 years	20	22.1	0.90 (0.58-1.40)	26	33.7	0.77 (0.53-1.13)
30-39 years	12	12.9	0.93 (0.53-1.64)	19	22.1	0.86 (0.55-1.35)
40-49 years	8	14.2	0.56 (0.28-1.12)	17	28.1	0.60 (0.38-0.97)*
≥50 years	21	20.0	1.05 (0.69-1.61)	41	44.9	0.91 (0.67-1.24)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S22. SIRs of salmonellosis and campylobacteriosis in the 'education' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	169	190.7	0.89 (0.76-1.03)	382	376.7	1.01 (0.92-1.12)
Female	259	311.6	0.83 (0.74-0.94)**	475	557.9	0.85 (0.78-0.93)***
Serovar/species						
S.Typhimurium	93	113.9	0.82 (0.67-1.00)	-	-	-
S. Enteritidis	161	200.6	0.80 (0.69-0.94)**	-	-	-
Salmonella other	174	187.8	0.93 (0.80-1.07)	-	-	-
C. jejuni	-	-	-	795	870.0	0.91 (0.85-0.98)*
C. coli	-	-	-	62	64.6	0.96 (0.75-1.23)
Age group						
16-19 years	20	12.9	1.55 (1.00-2.40)	22	17.6	1.25 (0.83-1.90)
20-29 years	113	148.4	0.76 (0.63-0.92)**	244	234.8	1.04 (0.92-1.18)
30-39 years	80	83.0	0.96 (0.77-1.20)	134	153.0	0.88 (0.74-1.04)
40-49 years	93	104.0	0.89 (0.73-1.10)	146	183.4	0.80 (0.68-0.94)**
≥50 years	122	154.0	0.79 (0.66-0.95)*	311	345.8	0.90 (0.80-1.01)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S23. SIRs of salmonellosis and campylobacteriosis in the 'crop and animal production and hunting' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	76	77.5	0.98 (0.78-1.23)	108	121.1	0.89 (0.74-1.08)
Female	29	41.7	0.70 (0.48-1.00)	33	60.1	0.55 (0.39-0.77)**
Serovar/species						

<i>S.</i> Typhimurium	40	35.8	1.12 (0.82-1.52)	-	-	-
<i>S.</i> Enteritidis	47	47.5	0.99 (0.74-1.32)	-	-	-
<i>Salmonella</i> other	18	35.9	0.50 (0.32-0.80)**	-	-	-
<i>C.</i> jejuni	-	-	-	134	168.8	0.79 (0.67-0.94)**
<i>C.</i> coli	-	-	-	7	12.4	0.56 (0.27-1.18)
Age group						
16-19 years	33	36.9	0.90 (0.64-1.26)	50	44.5	1.12 (0.85-1.48)
20-29 years	35	38.8	0.90 (0.65-1.26)	41	52.5	0.78 (0.58-1.06)
30-39 years	11	14.7	0.75 (0.41-1.35)	13	22.2	0.59 (0.34-1.01)
40-49 years	16	13.9	1.15 (0.71-1.88)	14	27.6	0.51 (0.30-0.86)*
≥50 years	10	14.9	0.67 (0.36-1.25)	23	34.4	0.67 (0.44-1.01)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S24. SIRs of salmonellosis and campylobacteriosis in the 'construction of buildings' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	58	56.1	1.03 (0.80-1.34)	123	151.2	0.81 (0.68-0.97)*
Female	6	8.1	0.74 (0.33-1.65)	18	18.5	0.97 (0.61-1.54)
Serovar/species						
<i>S.</i> Typhimurium	22	18.2	1.21 (0.80-1.84)	-	-	-
<i>S.</i> Enteritidis	22	22.0	1.00 (0.66-1.52)	-	-	-
<i>Salmonella</i> other	20	24.0	0.83 (0.54-1.29)	-	-	-
<i>C.</i> jejuni	-	-	-	136	158.0	0.86 (0.73-1.02)
<i>C.</i> coli	-	-	-	5	11.7	0.43 (0.18-1.02)
Age group						
16-19 years	2	3.1	0.64 (0.16-2.56)	4	5.4	0.75 (0.28-1.99)
20-29 years	29	22.8	1.27 (0.88-1.83)	35	42.5	0.82 (0.59-1.15)
30-39 years	12	11.8	1.01 (0.58-1.79)	26	30.3	0.86 (0.58-1.26)
40-49 years	8	10.2	0.78 (0.39-1.56)	28	34.4	0.81 (0.56-1.18)
≥50 years	13	16.1	0.81 (0.47-1.39)	48	57.1	0.84 (0.63-1.11)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S25. SIRs of salmonellosis and campylobacteriosis in the 'wholesale trade' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	284	288.8	0.98 (0.88-1.10)	517	592.7	0.87 (0.80-0.95)**
Female	119	142.8	0.83 (0.70-1.00)*	199	253.0	0.79 (0.68-0.90)**
Serovar/species						
<i>S.</i> Typhimurium	103	109.9	0.94 (0.77-1.14)	-	-	-
<i>S.</i> Enteritidis	168	168.6	1.00 (0.86-1.16)	-	-	-
<i>Salmonella</i> other	132	153.1	0.86 (0.73-1.02)	-	-	-
<i>C.</i> jejuni	-	-	-	665	788.1	0.84 (0.78-0.91)***
<i>C.</i> coli	-	-	-	51	57.6	0.89 (0.67-1.17)
Age group						
16-19 years	37	32.2	1.15 (0.83-1.59)	41	41.2	1.00 (0.73-1.35)
20-29 years	137	147.8	0.93 (0.78-1.10)	189	223.3	0.85 (0.73-0.97)*
30-39 years	94	96.2	0.98 (0.80-1.20)	164	181.8	0.90 (0.77-1.05)
40-49 years	68	78.4	0.87 (0.68-1.10)	174	195.2	0.89 (0.77-1.03)
≥50 years	67	76.9	0.87 (0.69-1.11)	148	204.2	0.72 (0.62-0.85)***

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S26. SIRs of salmonellosis and campylobacteriosis in the 'land transport' sector

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	137	153.2	0.89 (0.76-1.06)	315	293.6	1.07 (0.96-1.20)
Female	20	32.0	0.63 (0.40-0.97)*	50	51.4	0.97 (0.74-1.28)
Serovar/species						
<i>S.</i> Typhimurium	40	45.1	0.89 (0.65-1.21)	-	-	-
<i>S.</i> Enteritidis	65	75.3	0.86 (0.68-1.10)	-	-	-
<i>Salmonella</i> other	52	64.7	0.80 (0.61-1.05)	-	-	-
<i>C.</i> jejuni	-	-	-	337	321.3	1.05 (0.94-1.17)
<i>C.</i> coli	-	-	-	28	23.7	1.18 (0.81-1.71)

Age group	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
16-19 years	7	9.6	0.73 (0.35-1.53)	12	9.3	1.28 (0.73-2.26)
20-29 years	48	49.7	0.97 (0.73-1.28)	66	65.1	1.01 (0.80-1.29)
30-39 years	25	33.5	0.75 (0.50-1.10)	47	51.9	0.91 (0.68-1.21)
40-49 years	26	38.2	0.68 (0.46-1.00)	77	77.0	1.00 (0.80-1.25)
≥50 years	51	54.2	0.94 (0.72-1.24)	163	141.7	1.15 (0.99-1.34)

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S27. SIRs of salmonellosis and campylobacteriosis in the 'services to buildings and landscape activities' sector [81]

Gender	Salmonellosis			Campylobacteriosis		
	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
Male	77	69.3	1.11 (0.89-1.39)	106	117.2	0.90 (0.75-1.09)
Female	107	106.9	1.00 (0.83-1.21)	141	170.4	0.83 (0.70-0.98)*

Serovar/species	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
<i>S. Typhimurium</i>	46	44.7	1.03 (0.77-1.37)	-	-	-
<i>S. Enteritidis</i>	81	71.9	1.13 (0.91-1.40)	-	-	-
<i>Salmonella</i> other	57	59.7	0.95 (0.74-1.24)	-	-	-
<i>C. jejuni</i>	-	-	-	225	267.5	0.84 (0.74-0.96)**
<i>C. coli</i>	-	-	-	22	20.0	1.10 (0.72-1.67)

Age group	Obs	Exp	SIR (95%CI)	Obs	Exp	SIR (95%CI)
16-19 years	23	23.4	0.98 (0.65-1.48)	17	23.7	0.72 (0.45-1.15)
20-29 years	46	60.8	0.76 (0.57-1.01)	75	84.7	0.89 (0.71-1.11)
30-39 years	38	30.6	1.24 (0.90-1.70)	45	49.4	0.91 (0.68-1.22)
40-49 years	37	31.3	1.18 (0.86-1.63)	63	62.7	1.00 (0.78-1.29)
≥50 years	40	30.2	1.33 (0.97-1.81)	47	66.9	0.70 (0.53-0.93)*

Obs: observed numbers; Exp: expected numbers; *p<0.05; **p<0.01; ***p<0.001.

Table S28. Risk group characteristics

	Live animals	Food production	Food sale
Number of people exposed			
Salmonellosis data (1999-2016)			
Total	240,993	2,037,210	224,051
Male	154,471	962,653	101,096
Female	86,522	1,074,557	142,955
Campylobacteriosis data (2004-2016)			
Total	172,978	1,666,621	178,427
Male	108,825	791,387	75,799
Female	64,153	875,234	102,628
Median age at entry (IQR)	27 years (20-39)	20 years (17-28)	23 years (18-36)
Median age at infection (IQR)			
Salmonellosis	26 years (20-38)	22 years (19-29)	21 years (18-33)
Campylobacteriosis	31 years (21-49)	23 years (20-34)	25 years (20-39)