

## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
09/1988	Grand Forks	Institution	146	200	Unknown	Probable Norovirus	Unknown
03/1989	Morton	Restaurant	58	100	Whipped potatoes	Unknown	Ill food handler
05/1989	Walsh	Institution	218	560	Unknown	Unknown	Improper holding temperatures
07/1990	Ramsey	Other	70	500	Roast beef	<i>E. coli</i> O157:H7	Inadequate cooking and cross contamination
08/1990	Ward	Restaurant	37	75	Turkey and ham sandwiches	Unknown	Improper holding temperatures and ill food handler
09/1990	Williams	Private event	19	56	Unknown	Unknown	Improper holding temperatures
09/1990	Grand Forks	Private event	25	40	Turkey sandwiches	Unknown	Improper holding temperatures
07/1991	Bottineau	Other	~ 100	~ 600	Lettuce	Probable Norovirus	Improper storage and handling
02/1992	Williams	Restaurant	32	Unknown	Unknown	Unknown	Improper storage and handling

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03/1992	Cass	Other	52	111	Roast beef, lettuce salad	Unknown	Unknown
08/1992	Grand Forks	Institution	27	100	Taco salad	Unknown	Improper storage
03/1993	Cass	Restaurant	7	13	Roast Beef	<i>Staphylococcus aureus</i>	Improper food storage; damaged packaging
05/1995	Burleigh	Restaurant	33	~ 400	Ground beef	<i>E. coli</i> O157:H7	Inadequate cooking
05/1994	Dickey	Private residence	4	4	Turkey	<i>Salmonella</i> Hadar	Inadequate cooking
12/1994	Ward	Restaurant	72	200	Unknown	Unknown	Unknown
03/1995	Morton	Restaurant	12	Unknown	Unknown	Unknown	Possible cross-contamination; improper food temperatures
01/1997	Ward	Restaurant	32	153	Unknown	Probable Norovirus	Possible cross-contamination
02/1997	Burleigh	Private residence	21	~ 40	Cheese and meat tray	Norovirus	Possible cross-contamination

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02/1997	Ward	Restaurant	32	50	Roast beef	<i>Clostridium perfringens</i>	Inadequate reheating; possible cross-contamination
09/1998	Rolette	Institution	502	1023	Burritos	Unknown (possible toxin)	Unknown
12/1998	Stutsman	Restaurant	92	250	Roast beef	<i>Clostridium perfringens</i>	Improper reheating
05/1999	Burleigh	Restaurant	80	137	Unknown/Butter	Norovirus	Ill food handler
10/1999	Burleigh	Private residence	1	1	Home-canned zucchini relish	<i>Clostridium botulinum</i>	Possible improper canning
02/2000	Multi-state: ND, MN, MT	Other	54	177	Possible eggs	<i>Salmonella</i> Enteritidis	Unknown
09/2000	Rolette	Other	12	36	Possible heat and serve burritos	Unknown	Possible psychogenic illnesses involved
03/2001	Ramsey	Institution	22	64	Snack "Moonballs"	Probable Norovirus	Unknown
04/2001	Burleigh	Restaurant	101	143	Fruit cup	Probable Norovirus	Ill food handler

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12/2001	Burleigh	Restaurant	8	54	Possible beef tenderloin	Possible <i>Clostridium perfringens</i>	Improperly prepared meat
04/2002	Ward	Restaurant	119	280	Roast turkey and gravy	<i>Clostridium perfringens</i>	Improperly prepared and reheated food
12/2002	Mercer	Private event	About 100	400	Deep fried turkey	<i>Clostridium perfringens</i>	Improper food handling procedures; inadequate hand hygiene
12/2002	Ward	Restaurant	225	465	Unknown	Norovirus	Ill food handlers
12/2002	Pembina	Institution	97	326	Unknown	Norovirus	Unknown
06/2003	Ward	Restaurant	34	~ 70	Potato salad	Norovirus	Ill food handler
07/2003	Burleigh	Other	3	Unknown	Frozen ground beef patties	<i>E. coli</i> O157:H7	Unknown
10/2003	Grand Forks	Restaurant	14	Unknown	Unknown	<i>E. coli</i> O157:H7	Unknown
11/2003	Stark	Private event	31	75 – 90	Unknown	Norovirus	Unknown

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12/2003	Ward	Restaurant	24	57	Unknown	Probable food intoxication	Unknown
11/2004	Ward	Restaurant	15	43	Unknown	Unknown	Possible ill food handler
11/2004	Bottineau	Restaurant	11	32	Unknown	Unknown	Unknown
12/2004	Stark	Other	2	12	Smoked turkey	<i>Salmonella</i> Newport	Inadequate cooking
04/2005	Burleigh	Private residence	14	71	Unknown	Unknown	Unknown
05/2005	Stark	Institution	52	249	Lettuce	Norovirus	Ill food handler
06/2005	Williams	Other	15	Unknown	Rotisserie chicken/ Unknown	<i>Salmonella</i> Typhimurium	Unknown
06/2005	Cass	Restaurant	14	235	Unknown	Unknown	Unknown
07/2005	Ramsey	Potluck event	5	14	Unknown	Unknown	Unknown

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08/2005	Burleigh	Unknown	11	Unknown	Unknown	<i>E.coli</i> O157:H7	Unknown
01/2006	Ward	Restaurant	48	73	Unknown	Norovirus	Ill food handlers
04/2006	Cass	Restaurant	27	62	Chicken	Norovirus	Possible environmental contamination
04/2006	Morton	Restaurant	10	25	Unknown	Unknown	Unknown
06/2006	Burleigh	Restaurant	36	Unknown	Fresh fruit	Norovirus	Ill food handlers
06/2006	Out-of-state	Restaurant	25 (4 ND)	Unknown	Unknown	Norovirus	Possible ill food handlers
08/2006	Bowman	Other	11	60	Possible water	Unknown	Suspected contamination of water coolers
09/2006	Burleigh	Private event	21	65	Unknown	Unknown	Unknown
10/2006	Ward	Private residence	16	20	Unknown	Norovirus	Unknown

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Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
10/2006	Nelson	Restaurant	26	100	Unknown	Norovirus	Ill food handlers
01/2007	Multi-state	Private residence	3	Unknown	Peanut butter	<i>Salmonella</i> Tennessee	Environmental contamination at production plant
03/2007	Grand Forks	Other	Unknown	Unknown	Suspected ground beef	Possible toxin	Temperature abuse and improper reheating
03/2007	Dickey	Restaurant	16	Unknown	Unknown	Norovirus	Unknown
06/2007	Stutsman	Other	7	70	Unknown	<i>Salmonella</i> Newport	Unknown
06/2007	Ward	Private residence	23	50	Suspected ground beef	<i>E. coli</i> O111:nonmotile	Temperature abuse and improper reheating
09/2007	Cass	Institution	7	11	Homemade cookies	Norovirus	Ill food handlers
09/2007	Burleigh	Restaurant	29	63	Unknown	Norovirus	Unknown
02/2008	Burleigh	Restaurant	7	9	Unknown	Norovirus Group1	Unknown

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04/2008	McLean	Potluck event	12	55	Unknown	<i>Campylobacter jejuni</i>	Unknown
06/2008	McHenry	Restaurant/Other	33	~475	Unknown	Unknown	Unknown
11/2008	Morton	Private residence	3	Unknown	Milk	<i>Campylobacter jejuni</i>	Unpasteurized dairy
06/2009	McLean	Catered event	55	69	Multiple	S. Montevideo	Live poultry
06/2009	McLean	Catered event	36	250	Multiple	S. Montevideo	Live poultry
06/2009	McLean	Catered event	89	250	Multiple	S. Montevideo	Live poultry
07/2009	Grand Forks	Restaurant	12	150	Unknown	Unknown	Unknown
08/2009	Morton	Restaurant	8	Unknown	Unknown	Norovirus	Ill food handler
10/2009	Walsh	Catered event	36	Unknown	Unknown	<i>Clostridium perfringens</i>	Power failure and temperature abuse



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12/2009	Grand Forks	Restaurant	24	39	Unknown	Norovirus	Unknown
12/2009	Williams	Restaurant	3	Unknown	Unknown	Norovirus	Unknown
02/2010	Walsh	Institution	25	120	Unknown	Norovirus	Unknown
04/2010	Dickey	Restaurant	12	115	Unknown	Norovirus	Unknown
05/2010	Burleigh	Restaurant	7	Unknown	Unknown	Unknown	Unknown
07/2010	Burleigh	Private residence	8	13	Unknown	Norovirus	Unknown
07/2010	Stark	Private residence	7	7	Milk	Probable <i>Campylobacter jejuni</i>	Unpasteurized dairy
09/2010	Ward	Private residence	8	12	Unknown	Norovirus	Ill food handler
02/2011	McKenzie	Institution	48	70	Unknown	Norovirus	Ill food handler

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09/2011	Stark	Restaurant	9	Unknown	Unknown	Norovirus	Unknown
11/2011	Morton	Restaurant	23	210	Unknown	Probable <i>Clostridium perfringens</i>	Unknown
11/2011	Cass	Institution	88	180	Chili macaroni	<i>Clostridium perfringens</i>	Unknown
01/2012	Burleigh	Catered event	19	Unknown	Unknown	Norovirus	Ill food handler
04/2012	Grand Forks	Restaurant	14	250	Unknown	Unknown	Unknown
07/2012	Stutsman	Institution	66	152	Lasagna	Unknown	Unknown
09/2012	Mountrail	Restaurant	4	8	Unknown	Unknown	Unknown
09/2012	Burleigh	Restaurant	10	60	Unknown	Unknown	Unknown
01/2013	Burleigh	Restaurant	4	Unknown	Unknown	Unknown	Unknown

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02/2013	Multistate	Private residence	16 (1 ND)	Unknown	Tahini	Multiple <i>Salmonella</i> serotypes	Unknown
03/2013	Multistate	Unknown	356 (6 ND)	Unknown	Live poultry	<i>Salmonella</i> Typhimurium	Unknown
05/2013	Ward	Restaurant	6	Unknown	Unknown	Unknown	Unknown
06/2013	Cass	Restaurant	7	Unknown	Unknown	Unknown	Unknown
08/2013	Williams	Restaurant	3	Unknown	Unknown	Unknown	Unknown
10/2013	Multistate	Institution	57 (3 ND)	Unknown	Rice	Niacin	Unknown
10/2013	Burleigh	Restaurant	63	176	Unknown	Norovirus	Unknown
11/2013	Cass	Restaurant	6	Unknown	Unknown	Unknown	Unknown
11/2013	Cass	Restaurant	5	Unknown	Unknown	Norovirus	Ill food handler

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01/2014	Multistate	Unknown	6 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Rissen	Unknown
01/2014	Stark	Institution	10	92	Unknown	Unknown	Unknown
01/2014	Foster	Institution	60	159	Unknown	Unknown	Ill food handler
01/2014	Stark	Institution	13	123	Unknown	Unknown	Ill food handler(s)
02/2014	Logan	Institution	17	57	Unknown	Unknown	Unknown
02/2014	Wells	Institution	24	196	Unknown	Unknown	Ill food handler(s)
02/2014	Stark	Institution	14	203	Unknown	Unknown	Unknown
02/2014	Grant	Institution	26	Unknown	Unknown	Unknown	Ill food handler(s)
02/2014	Multistate	Unknown	306 (3 ND)	Unknown	Unknown	<i>Shigella sonnei</i>	Unknown

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03/2014	Mercer	Institution	5	235	Unknown	Unknown	Unknown
03/2014	Walsh	Institution	30	115	Unknown	Unknown	Ill food handler(s)
03/2014	Multistate	Unknown	193 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
04/2014	McHenry	Institution	35	73	Unknown	Unknown	Unknown
04/2014	Multistate	Unknown	93 (1 ND)	Unknown	Basil	<i>Salmonella</i> Enteritidis	Unknown
05/2014	Multistate	Unknown	340 (2 ND)	Unknown	Basil	<i>Salmonella</i> Enteritidis	Unknown
05/2014	Williams	Institution	14	390	Unknown	Unknown	Unknown
05/2014	Mountrail	Other	12	Unknown	Unknown	Unknown	Unknown
05/2014	Griggs	Institution	40	68	Unknown	Unknown	Ill food handler(s)

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05/2014	Multistate	Other	275 (1 ND)	Unknown	Cucumber	<i>Salmonella</i> Newport	Contaminated raw product
06/2014	Sargent	Private residence	20	32	Pork	<i>Salmonella</i> 14,[5],12:i:-	Inadequate cooking
07/2014	Stark	Other	13	Unknown	Water	<i>Cryptosporidium</i>	Unknown
08/2014	Ramsey	Institution	10	107	Unknown	Unknown	Unknown
09/2014	Multistate	Unknown	27 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Typhimurium	Unknown
10/2014	Grand Forks	Institution	75	396	Unknown	Unknown	Ill food handler(s)
10/2014	Multistate	Unknown	23 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Poona	Unknown
11/2014	Cass	Institution	37	197	Unknown	Unknown	Ill food handler(s)
11/2014	Morton	Restaurant	26	71	Unknown	Unknown	Unknown

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11/2014	Grand Forks	Restaurant	29	51	Unknown	Unknown	Ill food handler(s)
11/2014	Multistate	Unknown	15 (1 ND)	Unknown	Unknown	<i>E. coli</i> O157:H7	Unknown
11/2014	Multistate	Unknown	11 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Newport	Unknown
11/2014	Multistate	Unknown	26 (1 ND)	Unknown	Turkey	<i>Salmonella</i> Saintpaul	Unknown
12/2014	Walsh	Institution	37	126	Unknown	Unknown	Ill food handler(s)
12/2014	McIntosh	Institution	65	163	Unknown	Unknown	Ill food handler(s)
12/2014	McIntosh	Institution	38	101	Unknown	Unknown	Ill food handler(s)
12/2014	Grand Forks	Institution	19	317	Unknown	Unknown	Unknown
12/2014	Stutsman	Institution	10	157	Unknown	Unknown	Unknown

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12/2014	Grant	Institution	3	38	Unknown	Unknown	Unknown
12/2014	Morton	Institution	127	367	Unknown	Norovirus	Ill food handler(s)
12/2014	Multistate	Unknown	9 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
01/2015	Burleigh	Restaurant	9	14	Unknown	Unknown	Unknown
01/2015	Morton	Institution	8	191	Unknown	Unknown	Ill food handler(s)
01/2015	Logan	Institution	15	74	Unknown	Unknown	Unknown
02/2015	Burleigh	Restaurant	6	8	Unknown	Unknown	Unknown
02/2015	Stark	Institution	44	400	Unknown	Unknown	Ill food handler(s)
03/2015	Grand Forks	Institution	4	124	Unknown	Unknown	Ill food handler(s)



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03/2015	Morton	Institution	14	181	Unknown	Unknown	Ill food handler(s)
04/2015	Grand Forks	Institution	11	398	Unknown	Unknown	Unknown
04/2015	Morton	Institution	29	370	Unknown	Unknown	Unknown
05/2015	Grand Forks	Restaurant	8	21	Chicken	Unknown	Unknown
06/2015	Multistate	Other	13 (1 ND)	Unknown	Chicken, BBQ	<i>Salmonella</i> Heidelberg	Unknown
07/2015	Multistate	Unknown	149 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Newport	Unknown
07/2015	Ward	Unknown	33	Unknown	Unknown	<i>Salmonella</i> Thompson	Unknown
07/2015	Multistate	Unknown	907 (8 ND)	Unknown	Cucumber	<i>Salmonella</i> Poona	Contaminated raw product
07/2015	Cass	Other	65	Unknown	Unknown	<i>E. coli</i> O157:H7	Unknown

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08/2015	Multistate	Restaurant	81 (1 ND)	Unknown	Truffle oil puree	<i>Salmonella</i> Enteritidis	Unknown
08/2015	Ramsey	Institution	16	Unknown	Unknown	Norovirus	Unknown
08/2015	Cass	Restaurant	31	58	Unknown	Norovirus	Unknown
08/2015	McIntosh	Institution	11	88	Unknown	Unknown	Unknown
10/2015	Stark	Institution	29	381	Unknown	Unknown	Ill food handler(s)
11/2015	Multistate	Restaurant	5 (1 ND)	Unknown	Unknown	<i>E. coli</i> O26	Unknown
11/2015	Foster	Institution	17	159	Unknown	Unknown	Unknown
11/2015	McLean	Institution	36	53	Unknown	Unknown	Unknown
12/2015	Burleigh	Catered event	42	120	Unknown	Norovirus	Unknown

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12/2015	Cass	Institution	115	282	Unknown	<i>Clostridium perfringens</i>	Unknown
12/2015	Cass	Institution	3	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Environmental contamination
12/2015	Ward	Institution	24	Unknown	Unknown	Unknown	Ill food handler
12/2015	Pembina	Institution	15	102	Unknown	Unknown	Unknown
01/2016	Multistate	Private residence	11 (1 ND)	Unknown	Pistachios	<i>Salmonella</i> Montevideo	Unknown
02/2016	Multistate	Unknown	377 (5 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
02/2016	Stutsman	Institution	62	121	Unknown	Unknown	Ill food handler(s)
02/2016	Morton	Institution	8	381	Unknown	Unknown	Unknown
03/2016	Multistate	Private residence	26 (1 ND)	Unknown	Alfalfa sprouts	Multiple <i>Salmonella</i> serotypes	Contaminated raw product

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04/2016	Grand Forks	Institution	24	199	Unknown	Unknown	Ill food handler(s)
04/2016	Ward	Institution	9	117	Unknown	Unknown	Unknown
04/2016	Multistate	Unknown	895 (5 ND)	Unknown	Live poultry	Multiple <i>Salmonella</i> serotypes	Unknown
05/2016	Multistate	Unknown	14 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
05/2016	McLean	Other	6	17	Unknown	<i>Salmonella</i> 14,{5},12:i:-	Unknown
06/2016	Multistate	Unknown	73 (1 ND)	Unknown	Chicken	<i>Salmonella</i> Typhimurium	Unknown
08/2016	Multistate	Other	56 (1 ND)	Unknown	Cattle	<i>Salmonella</i> Heidelberg	Unknown
08/2016	Multistate	Unknown	151 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Thompson	Unknown
09/2016	Barnes	Institution	27	240	Unknown	Norovirus	Unknown

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09/2016	McIntosh	Institution	4	90	Unknown	Unknown	Unknown
11/2016	Stutsman	Institution	84	299	Unknown	Unknown	Ill food handler(s)
11/2016	McHenry	Private residence	8	15	Unknown	<i>Salmonella</i> Agona	Unknown
11/2016	Renville	Institution	36	65	Unknown	Unknown	Unknown
12/2016	Bottineau	Institution	31	171	Unknown	Unknown	Unknown
12/2016	Bottineau	Institution	66	158	Unknown	Unknown	Ill food handler(s)
12/2016	Pembina	Institution	35	64	Unknown	Unknown	Ill food handler(s)
12/2016	Logan	Institution	5	68	Unknown	Unknown	Unknown
12/2016	Cass	Institution	4	Unknown	Unknown	Unknown	Unknown

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12/2016	Morton	Other	2	Unknown	Unknown	Unknown	Unknown
01/2017	Williams	Institution	8	197	Unknown	Unknown	Unknown
01/2017	Traill	Institution	33	62	Unknown	Unknown	Ill food handler(s)
01/2017	Foster	Institution	11	72	Unknown	Unknown	Unknown
01/2017	Ward	Institution	4	117	Unknown	Unknown	Unknown
02/2017	Stark	Institution	52	386	Unknown	Unknown	Ill food handler(s)
02/2017	Stark	Institution	11	89	Unknown	Unknown	Unknown
03/2017	Multistate	Unknown	16 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Goldcoast	Unknown
03/2017	Walsh	Institution	27	149	Unknown	Unknown	Ill food handler(s)

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04/2017	Cass	Catered event	8	400	Unknown	Unknown	Unknown
04/2017	Multistate	Unknown	1120 (2 ND)	Unknown	Live poultry	Multiple <i>Salmonella</i> serotypes	Unknown
05/2017	McIntosh	Institution	4	60	Unknown	Unknown	Ill food handler(s)
07/2017	Multistate	Institution	53 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
09/2017	Burleigh	Potluck event	3	500	Unknown	<i>Salmonella</i> Oranienburg	Unknown
10/2017	Morton	Institution	25	147	Unknown	Unknown	Unknown
11/2017	Morton	Institution	25	197	Unknown	Unknown	Ill food handler(s)
11/2017	Stark	Institution	22	54	Unknown	Unknown	Unknown
11/2017	Stark	Institution	8	247	Unknown	Unknown	Ill food handler(s)

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11/2017	Ramsey	Institution	21	Unknown	Unknown	Unknown	Unknown
11/2017	Grand Forks	Institution	7	289	Unknown	Unknown	Unknown
11/2017	Ramsey	Institution	3	72	Unknown	Unknown	Unknown
11/2017	Stark	Institution	9	388	Unknown	Unknown	Unknown
12/2017	Foster	Institution	18	163	Unknown	Unknown	Unknown
12/2017	Mercer	Institution	16	210	Unknown	Unknown	Unknown
12/2017	Williams	Institution	8	355	Unknown	Unknown	Unknown
12/2017	Grand Forks	Institution	14	585	Unknown	Unknown	Unknown
12/2017	Cass	Institution	5	62	Unknown	Unknown	Unknown



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12/2017	Richland	Institution	19	Unknown	Unknown	Unknown	Unknown
12/2017	Grand Forks	Institution	138	378	Unknown	Norovirus	Ill food handler(s)
12/2017	McIntosh	Institution	7	156	Unknown	Unknown	Ill food handler(s)
12/2017	Pembina	Institution	5	62	Unknown	Unknown	Unknown
01/2018	Multistate	Private residence	199 (1 ND)	Unknown	Kratom	Multiple <i>Salmonella</i> serotypes	Unknown
01/2018	Burleigh	Institution	7	351	Unknown	Unknown	Ill food handler(s)
01/2018	Burleigh	Institution	45	838	Unknown	Unknown	Unknown
01/2018	Grand Forks	Institution	14	70	Unknown	Unknown	Unknown
01/2018	Grand Forks	Institution	4	378	Unknown	Unknown	Unknown

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01/2018	Burleigh	Institution	3	270	Unknown	Unknown	Unknown
01/2018	McLean	Institution	43	159	Unknown	Norovirus	Ill food handler(s)
01/2018	Logan	Institution	9	116	Unknown	Unknown	Ill food handler(s)
02/2018	McIntosh	Institution	6	Unknown	Unknown	Unknown	Unknown
02/2018	Walsh	Institution	7	132	Unknown	Unknown	Ill food handler(s)
03/2018	Eddy	Institution	14	225	Unknown	Unknown	Ill food handler(s)
03/2018	McIntosh	Institution	14	Unknown	Unknown	Unknown	Ill food handler(s)
03/2018	Pembina	Institution	31	114	Unknown	Unknown	Ill food handler(s)
03/2018	Morton	Institution	19	306	Unknown	Norovirus	Ill food handler(s)

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04/2018	Multistate	Restaurant	210 (3 ND)	Unknown	Romaine lettuce	<i>E. coli</i> O157	Environmental contamination
07/2018	Multistate	Private residence	216 (2 ND)	Unknown	Ground turkey	<i>Salmonella</i> Reading	Unknown
07/2018	Multistate	Other	101 (1 ND)	Unknown	Pasta salad	<i>Salmonella</i> Sandiego	Unknown
07/2018	Multistate	Unknown	17 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Braenderup	Unknown
08/2018	Multistate	Unknown	118 (1 ND)	Unknown	Unknown	<i>Salmonella</i> Typhimurium	Unknown
08/2018	Multistate	Unknown	44 (2 ND)	Unknown	Live poultry	<i>Salmonella</i> Agona	Unknown
09/2018	Multistate	Unknown	10 (2 ND)	Unknown	Unknown	<i>E. coli</i> O157	Unknown
10/2018	Multistate	Unknown	25 (1 ND)	Unknown	Romaine lettuce	<i>E. coli</i> O157:H7	Unknown
11/2018	Stutsman	Institution	6	354	Unknown	Unknown	Unknown

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11/2018	Ramsey	Institution	87	195	Unknown	Unknown	Ill food handler(s)
12/2018	Stutsman	Institution	9	176	Unknown	Unknown	Unknown
01/2019	Pembina	Institution	43	108	Unknown	Norovirus	Unknown
01/2019	Multistate	Unknown	15 (4 ND)	Unknown	Frozen raw tuna	<i>Salmonella</i> Newport	Unknown
01/2019	Grand Forks	Institution	3	Unknown	Unknown	Unknown	Unknown
01/2019	Multistate	Unknown	1134 (4 ND)	Unknown	Live poultry	Multiple <i>Salmonella</i> serotypes	Unknown
01/2019	Morton	Institution	5	Unknown	Unknown	Unknown	Unknown
01/2019	Cass	Institution	2	9	Unknown	Norovirus	Unknown
02/2019	Grand Forks	Institution	10	419	Unknown	Unknown	Unknown

## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
02/2019	Ramsey	Institution	22	222	Unknown	Unknown	Unknown
03/2019	Stark	Institution	18	128	Unknown	Unknown	Unknown
04/2019	Multistate	Private residence	5 (2 ND)	20	Raw milk	<i>Campylobacter jejuni</i>	Unknown
04/2019	Stutsman	Institution	38	210	Unknown	Unknown	Unknown
05/2019	Morton	Catered event	29	103	Unknown	Norovirus	Ill food handler(s)
05/2019	Multistate	Unknown	107 (2 ND)	Unknown	Unknown	<i>Salmonella Bovismorbificans</i>	Unknown
07/2019	Ward	Unknown	7	Unknown	Unknown	Norovirus	Unknown
08/2019	Williams	Restaurant	3	Unknown	Unknown	<i>Campylobacter spp.</i>	Unknown
08/2019	Burleigh	Institution	21	104	Unknown	<i>E. coli</i> O157:H7	Unknown

## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
08/2019	Burleigh	Institution	5	104	Unknown	<i>E. coli</i> O103:H2	Unknown
10/2019	Multistate	Unknown	20	Unknown	Frozen pizza	<i>E. coli</i> O157:H7	Unknown
10/2019	Stutsman	Potluck event	64	Unknown	Unknown	Unknown	Unknown
11/2019	Multistate	Unknown	11	Unknown	Salad kits	<i>E. coli</i> O157:H7	Unknown
12/2019	Cass	Institution	2	Unknown	Unknown	Unknown	Unknown
12/2019	Grand Forks	Institution	6	440	Unknown	Unknown	Unknown
12/2019	Traill	Institution	26	Unknown	Unknown	Unknown	Unknown
12/2019	Ward	Institution	16	497	Unknown	Unknown	Unknown
12/2019	Stark	Institution	12	315	Unknown	Unknown	Unknown

## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
12/2019	Pembina	Institution	16	99	Unknown	Unknown	Unknown
12/2019	Cass	Institution	102	313	Unknown	Unknown	Unknown
12/2019	Multistate	Unknown	11 (4 ND)	Unknown	Unknown	<i>Shigella sonnei</i>	Unknown
01/2020	Burleigh	Institution	15	382	Unknown	Unknown	Unknown
01/2020	Multistate	Unknown	18 (1 ND)	Unknown	Pet bearded dragons	<i>Salmonella</i> Muenster	Unknown
01/2020	Cass	Institution	6	50	Unknown	Unknown	Unknown
01/2020	Morton	Catered event	8	23	Unknown	Norovirus	Unknown
02/2020	Stark	Institution	62	310	Unknown	Unknown	Unknown
02/2020	Cass	Institution	5	19	Unknown	Unknown	Unknown

## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
02/2020	Barnes	Institution	131	414	Unknown	Unknown	Unknown
03/2020	Dickey	Institution	5	32	Unknown	Unknown	Unknown
03/2020	Richland	Private residence	4	Unknown	Unknown	<i>Giardia</i> spp.	Unknown
04/2020	Multistate	Unknown	13 (3 ND)	Unknown	Unknown	<i>Salmonella</i> Enteritidis	Unknown
04/2020	Multistate	Unknown	49 (1 ND)	Unknown	Pet hedgehogs	<i>Salmonella</i> Typhimurium	Unknown
05/2020	Multistate	Unknown	761 (6 ND)	Unknown	Bagged salad mixes	<i>Cyclospora cayetanensis</i>	Contaminated raw product
06/2020	Multistate	Unknown	1127 (9 ND)	Unknown	Red onion	<i>Salmonella</i> Newport	Contaminated raw product
07/2020	Emmons	Private residence	3	Unknown	Unknown	<i>Giardia</i> spp.	Unknown
08/2020	Multistate	Unknown	12 (1 ND)	Unknown	Unknown	E. coli O26:H11	Unknown



## Enteric Disease Outbreaks in North Dakota, 1988 - 2020

Date	County	Location	Number Ill	Number Exposed	Suspected Vehicle	Confirmed/Suspected Agent	Contributing Factors
08/2020	Multistate	Unknown	24 (2 ND)	Unknown	Unknown	<i>E. coli</i> O121:H19	Unknown
08/2020	Multistate	Unknown	40 (4 ND)	Unknown	Leafy greens	<i>E. coli</i> O157:H7	Contaminated raw product

\*Beginning in 2014, all reported outbreaks of enteric diseases in North Dakota are included in this table. Please note that advances in laboratory technology may result in the retrospective identification of previously undetected clusters and outbreaks. Data for 2020 are preliminary.