

## Outbreaks

### Foodborne

During 2007, 26 foodborne outbreaks were reported in Virginia. The number of ill persons per outbreak ranged from one Virginia resident in a multistate outbreak involving contaminated bags of snack food, to 106 customers at a restaurant becoming ill due to eating contaminated chicken-based products. The etiologic agent was confirmed or suspected as bacterial in 14 of the outbreaks, viral in six outbreaks, biologically produced toxin in four outbreaks, a parasitic infection (*Giardia lamblia*) in one outbreak and was unknown in the remaining outbreak. Of the bacterial outbreaks, all were attributed to *Salmonella* (ser. Typhimurium, Enteritidis, London, I4,[5],12:i:-, Newport, and Wandsworth). Of the viral outbreaks, five were attributed to Norovirus and one was attributed to Hepatitis A. Factors contributing to the outbreaks included improper food handling (e.g., not keeping the food at the correct temperature or not cooking it at the proper temperature), infected food handlers, and ingestion of contaminated products. For those outbreaks where the health district is listed as out of state, the individuals involved were Virginia residents who were exposed while traveling outside of the state.

**Foodborne Outbreaks Reported in Virginia, 2007**

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
12/16/2006	Alexandria	7	<i>Salmonella</i> ser. Enteritidis	Food vehicle undetermined	Restaurant
1/25/2007	Crater	89	Toxin suspected	Meat sauce with pasta suspected	Correctional Facility
2/16/2007	Henrico	15	Norovirus	Food vehicle undetermined	Catered Event
3/1/2007	Lord Fairfax	5	Norovirus	Food vehicle undetermined	Correctional Facility
4/1/2007	Crater	8	Hepatitis A virus	Person-to-person and foodborne	Restaurant
4/28/2007	Peninsula	106	<i>Salmonella</i> ser. Enteritidis	Chicken-based products	Restaurant
5/10/2007	Fairfax	9	<i>Salmonella</i> ser. Typhimurium	Food vehicle undetermined	Restaurant
5/11/2007	Crater	7	<i>Giardia lamblia</i>	Ice or raw vegetables suspected	Travel Group
5/12/2007	Fairfax	27	<i>Salmonella</i> ser. Typhimurium and London	Crispy pork	Restaurant
5/26/2007	Multistate	9 VA 272 US	<i>Salmonella</i> ser. I 4,[5],12:i:-	Pot pie	Nationwide Outbreak
6/9/2007	Arlington	14	<i>Salmonella</i> ser. Newport	Food vehicle undetermined	Restaurant
6/18/2007	Rappahannock	7	Norovirus	Food vehicle undetermined	Multiple Restaurants
6/22/2007	Fairfax	12	Norovirus	Salad	Restaurant

## Foodborne Outbreaks Reported in Virginia, 2007

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
6/27/2007	Arlington	1 VA 65 US	<i>Salmonella</i> ser. Wandsworth	Snack chips	Nationwide Outbreak
7/15/2007	Pittsylvania- Danville	21	<i>Salmonella</i> ser. Enteritidis	Banana custard with meringue	Restaurant
7/20/2007	Out of State	2	<i>Salmonella</i> ser. Enteritidis	Food vehicle undetermined	Travel Group
7/28/2007	Fairfax	33	<i>Salmonella</i> ser. Typhimurium	Chicken	Restaurant
7/29/2007	Alexandria	7	Norovirus	Food vehicle undetermined	Restaurant
8/26/2007	Thomas Jefferson	5	<i>Salmonella</i> ser. Typhimurium	Food vehicle undetermined	College / University
8/30/2007	Portsmouth	6	Unknown	Food vehicle undetermined	Restaurant
9/11/2007	Western Tidewater	3	Toxin suspected	Food vehicle undetermined	Restaurant
10/12/2007	Thomas Jefferson	17	Toxin suspected	Meat sauce with pasta suspected	School (K-12)
11/16/2007	Lord Fairfax	7	<i>Salmonella</i> ser. Typhimurium	Food vehicle undetermined	Unknown
12/1/2007	Thomas Jefferson	11	<i>Salmonella</i> ser. Enteritidis	Food vehicle undetermined	School (K-12)
12/11/2007	Central Virginia	5	Toxin suspected	Food vehicle undetermined	Restaurant
12/16/2007	Rappahannock- Rapidan	8	<i>Salmonella</i> ser. Typhimurium suspected	Food vehicle undetermined	Travel Group

### Healthcare-Associated

A healthcare-associated outbreak is a group of illnesses with a common etiology among patients in a health care setting (hospital, medical center, nursing home, dialysis center, or other healthcare facility), where the patients acquired the illness while confined to that facility. Note that in earlier years only outbreaks occurring in hospitals and nursing homes (facilities meeting the definition of a medical care facility in 12 VAC 5-90-10) were included. During 2007 there were 115 healthcare-associated outbreaks reported in Virginia. This is similar to the 116 outbreaks reported in 2006, and 90 outbreaks in 2005. Healthcare-associated outbreaks were primarily attributed to person-to-person transmission. The exceptions involved two separate environmental exposures in neonatal intensive care units (NICUs) and one outbreak where the method of transmission was unknown. Etiologic agents were confirmed in 82 of the 115 outbreaks, suspected in 28, and unknown in five. Norovirus was confirmed as the causative agent in 74 outbreaks, and methicillin-resistant *Staphylococcus aureus* (MRSA) was confirmed in three outbreaks. Influenza, *Klebsiella pneumoniae*, and rotavirus were each responsible for one outbreak, while *Sarcoptes scabiei* (scabies) was responsible for two.

### Healthcare-Associated Outbreaks Reported in Virginia, 2007

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
7/10/2006	Hampton	42	Norovirus	Person-to-Person	Medical Facility
11/30/2006	West Piedmont	25	Norovirus suspected	Person-to-Person	Nursing Home
12/5/2006	Roanoke	107	Norovirus suspected	Person-to-Person	Nursing Home
12/11/2006	Alleghany	40	Norovirus suspected	Person-to-Person	Nursing Home
12/13/2006	Roanoke	6	Norovirus suspected	Person-to-Person	Nursing Home
12/16/2006	Alleghany	10	Norovirus suspected	Person-to-Person	Nursing Home
12/27/2006	Lord Fairfax	11	Norovirus	Person-to-Person	Nursing Home
12/28/2006	Loudoun	54	Norovirus	Person-to-Person	Nursing Home
12/29/2006	Pittsylvania-Danville	50	Norovirus suspected	Person-to-Person	Nursing Home
12/30/2006	West Piedmont	70	Norovirus	Person-to-Person	Nursing Home
12/30/2006	Crater	43	Norovirus	Person-to-Person	Nursing Home
12/31/2006	Peninsula	99	Norovirus	Person-to-Person	Nursing Home
1/1/2007	Central Shenandoah	91	Norovirus	Person-to-Person	Nursing Home
1/1/2007	Peninsula	24	Norovirus suspected	Person-to-Person	Nursing Home
1/4/2007	Mount Rogers	46	Norovirus	Person-to-Person	Nursing Home
1/7/2007	Henrico	56	Norovirus	Person-to-Person	Nursing Home
1/8/2007	Eastern Shore	68	Norovirus	Person-to-Person	Nursing Home
1/8/2007	Peninsula	10	Norovirus suspected	Person-to-Person	Nursing Home
1/9/2007	Central Virginia	21	Norovirus	Person-to-Person	Nursing Home
1/13/2007	Fairfax	202	Norovirus	Person-to-Person	Nursing Home
1/18/2007	Henrico	125	Norovirus	Person-to-Person	Nursing Home
1/19/2007	Peninsula	35	Norovirus	Person-to-Person	Medical Facility
1/19/2007	Peninsula	35	Norovirus	Person-to-Person	Medical Facility
1/19/2007	Western Tidewater	52	Norovirus	Person-to-Person	Nursing Home
1/20/2007	Crater	103	Norovirus	Person-to-Person	Nursing Home
1/21/2007	Hampton	155	Norovirus	Person-to-Person	Nursing Home

### Healthcare-Associated Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
1/22/2007	Henrico	90	Norovirus	Person-to-Person	Nursing Home
1/23/2007	Peninsula	48	Norovirus	Person-to-Person	Nursing Home
1/23/2007	Richmond	36	Norovirus	Person-to-Person	Nursing Home
1/24/2007	Alleghany	37	Norovirus suspected	Person-to-Person	Nursing Home
1/26/2007	Thomas Jefferson	54	Norovirus	Person-to-Person	Nursing Home
1/30/2007	Crater	43	Norovirus	Person-to-Person	Nursing Home
1/31/2007	Lord Fairfax	65	Norovirus	Person-to-Person	Nursing Home
2/1/2007	Chickahominy	52	Norovirus	Person-to-Person	Nursing Home
2/1/2007	Peninsula	10	Norovirus	Person-to-Person	Nursing Home
2/2/2007	Richmond	6	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person/ Environment	Medical Facility
2/2/2007	Henrico	11	Norovirus suspected	Person-to-Person	Medical Facility
2/2/2007	Thomas Jefferson	32	Norovirus	Person-to-Person	Nursing Home
2/4/2007	Henrico	17	Norovirus	Person-to-Person	Medical Facility
2/4/2007	Cumberland Plateau	23	Norovirus	Person-to-Person	Medical Facility
2/6/2007	Henrico	72	Norovirus	Person-to-Person	Nursing Home
2/6/2007	Virginia Beach	153	Norovirus	Person-to-Person	Nursing Home
2/7/2007	Peninsula	41	Norovirus	Person-to-Person	Nursing Home
2/8/2007	Three Rivers	60	Norovirus	Person-to-Person	Nursing Home
2/8/2007	Chesterfield	118	Norovirus	Person-to-Person	Nursing Home
2/10/2007	Southside	44	Norovirus	Person-to-Person	Nursing Home
2/11/2007	Peninsula	168	Norovirus	Person-to-Person	Nursing Home
2/12/2007	Three Rivers	39	Norovirus	Person-to-Person	Nursing Home
2/12/2007	Peninsula	36	Norovirus	Person-to-Person	Nursing Home
2/16/2007	Southside	17	Norovirus	Person-to-Person	Medical Facility
2/16/2007	Hampton	31	Norovirus	Person-to-Person	Nursing Home

### Healthcare-Associated Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
2/16/2007	Thomas Jefferson	21	Norovirus suspected	Person-to-Person	Nursing Home
2/17/2007	Crater	7	Norovirus confirmed	Person-to-Person	Medical Facility
2/17/2007	Richmond	55	Norovirus confirmed	Person-to-Person	Nursing Home
2/17/2007	Henrico	108	Norovirus suspected	Person-to-Person	Nursing Home
2/17/2007	Portsmouth	42	Norovirus confirmed	Person-to-Person	Nursing Home
2/20/2007	Henrico	84	Norovirus confirmed	Person-to-Person	Nursing Home
2/21/2007	Three Rivers	58	Norovirus confirmed	Person-to-Person	Nursing Home
2/21/2007	Mount Rogers	65	Norovirus suspected	Person-to-Person	Nursing Home
2/21/2007	Norfolk	45	Norovirus confirmed	Person-to-Person	Nursing Home
2/22/2007	Virginia Beach	17	Norovirus confirmed	Person-to-Person	Medical Facility
2/23/2007	Crater	55	Norovirus confirmed	Person-to-Person	Nursing Home
2/24/2007	Rappahannock Rapidan	49	Norovirus confirmed	Person-to-Person	Nursing Home
2/24/2007	Prince William	101	Norovirus confirmed	Person-to-Person	Nursing Home
2/26/2007	Southside	46	Norovirus confirmed	Person-to-Person	Nursing Home
2/27/2007	Eastern Shore	22	Norovirus confirmed	Person-to-Person	Nursing Home
2/27/2007	Fairfax	169	Norovirus confirmed	Person-to-Person	Nursing Home
2/27/2007	Chesapeake	57	Norovirus confirmed	Person-to-Person	Nursing Home
2/27/2007	Hampton	35	Norovirus confirmed	Person-to-Person	Nursing Home
3/1/2007	Eastern Shore	5	Unknown	Other	Medical Facility
3/1/2007	Crater	50	Norovirus confirmed	Person-to-Person	Nursing Home
3/3/2007	Henrico	22	Norovirus confirmed	Person-to-Person	Nursing Home
3/4/2007	Chickahominy	11	Norovirus suspected	Person-to-Person	Nursing Home
3/8/2007	Virginia Beach	35	Norovirus suspected	Person-to-Person	Nursing Home
3/9/2007	Richmond	2	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person/ Environment	Medical Facility
3/10/2007	Peninsula	69	Norovirus confirmed	Person-to-Person	Nursing Home

### Healthcare-Associated Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
3/12/2007	Lord Fairfax	83	Norovirus	Person-to-Person	Nursing Home
3/13/2007	Virginia Beach	71	Influenza A (H3)	Person-to-Person	Nursing Home
3/13/2007	Chesterfield	21	Norovirus suspected	Person-to-Person	Nursing Home
3/13/2007	Virginia Beach	15	Norovirus suspected	Person-to-Person	Nursing Home
3/18/2007	Virginia Beach	24	Norovirus suspected	Person-to-Person	Nursing Home
3/18/2007	Lord Fairfax	5	Norovirus suspected	Person-to-Person	Nursing Home
3/23/2007	Roanoke	8	Norovirus suspected	Person-to-Person	Nursing Home
3/26/2007	Mount Rogers	30	Norovirus	Person-to-Person	Nursing Home
3/28/2007	Rappahannock-Rapidan	17	Norovirus suspected	Person-to-Person	Nursing Home
3/29/2007	Virginia Beach	29	Norovirus	Person-to-Person	Nursing Home
4/4/2007	Lord Fairfax	74	Norovirus	Person-to-Person	Nursing Home
4/14/2007	Rappahannock-Rapidan	43	Norovirus	Person-to-Person	Nursing Home
4/14/2007	Virginia Beach	26	Norovirus suspected	Person-to-Person	Nursing Home
4/18/2007	Virginia Beach	25	Norovirus	Person-to-Person	Nursing Home
4/22/2007	Three Rivers	21	Norovirus	Person-to-Person	Nursing Home
4/24/2007	Lord Fairfax	43	Norovirus	Person-to-Person	Nursing Home
4/27/2007	Fairfax	11	Norovirus	Person-to-Person	Nursing Home
5/14/2007	Virginia Beach	8	Norovirus	Person-to-Person	Medical Facility
5/18/2007	Virginia Beach	21	Norovirus	Person-to-Person	Nursing Home
5/31/2007	Fairfax	4	<i>Sarcoptes scabiei</i>	Person-to-Person	Nursing Home
6/1/2007	Pittsylvania-Danville	18	<i>Klebsiella pneumoniae</i>	Person-to-Person	Nursing Home
7/1/2007	Richmond	3	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Medical Facility
8/1/2007	Crater	21	Norovirus	Person-to-Person	Nursing Home
8/9/2007	Hampton	34	Unknown respiratory illness	Person-to-Person	Nursing Home
8/13/2007	Hampton	7	Unknown respiratory illness	Person-to-Person	Nursing Home

### Healthcare-Associated Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
8/14/2007	Henrico	11	<i>Sarcoptes scabiei</i> suspected	Person-to-Person	Nursing Home
8/21/2007	Peninsula	23	Unknown respiratory illness	Person-to-Person	Nursing Home
9/13/2007	Fairfax	26	Norovirus	Person-to-Person	Nursing Home
10/1/2007	Alexandria	12	<i>Sarcoptes scabiei</i> suspected	Person-to-Person	Nursing Home
10/15/2007	Cumberland Plateau	93	<i>Sarcoptes scabiei</i>	Person-to-Person	Medical Facility
11/3/2007	Alleghany	86	Norovirus suspected	Person-to-Person	Medical Facility
11/4/2007	Alleghany	18	Norovirus suspected	Person-to-Person	Nursing Home
11/12/2007	Alexandria	14	<i>Sarcoptes scabiei</i> suspected	Person-to-Person	Nursing Home
11/16/2007	Rappahannock-Rapidan	20	Unknown respiratory illness	Person-to-Person	Nursing Home
11/25/2007	New River	8	Norovirus suspected	Person-to-Person	Medical Facility
12/1/2007	Crater	13	Rotavirus	Person-to-Person	Nursing Home
12/4/2007	Cumberland Plateau	32	Norovirus	Person-to-Person	Nursing Home
12/4/2007	Virginia Beach	34	Norovirus	Person-to-Person	Nursing Home
12/5/2007	Fairfax	10	Norovirus	Person-to-Person	Nursing Home

### Other

Among the outbreaks reported in Virginia during 2007, 140 were not foodborne, healthcare-associated or waterborne. The etiologic agent was confirmed in 98 (70%), suspected in 37 (26%) and unknown in 5 (4%) of these outbreaks. Where an agent was confirmed, viruses were responsible for 84 of the outbreaks, including adenovirus (1), norovirus (75), influenza (5), rotavirus (3), and respiratory syncytial virus (1). Eighteen outbreaks were attributed to bacterial agents, including methicillin-resistant *Staphylococcus aureus* (MRSA) (8), *Salmonella* (2), and *Streptococcus pyogenes* (1). One additional outbreak with a confirmed etiology was attributed to a parasitic mite, *Sarcoptes scabiei* (scabies). The three most common settings where these outbreaks occurred were assisted living facilities (47%); schools/universities (19%); and daycare/pre-K settings (8%). For those outbreaks where the health district is listed as out of state, the individuals involved were Virginia residents who were exposed while traveling outside of the state.

### Other Outbreaks Reported in Virginia, 2007

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
8/1/2006	Alleghany	8	Mass sociogenic illness	Other	School (K-12)
8/31/2006	Cumberland Plateau	33	Viral conjunctivitis suspected	Person-to-Person	School (K-12)
10/15/2006	Virginia Beach	5	Norovirus	Person-to-Person	Hotel / Resort
11/30/2006	Norfolk	47	Norovirus	Person-to-Person	Military Base
12/6/2006	Alleghany	124	Norovirus suspected	Person-to-Person	Assisted Living
12/10/2006	Chesterfield	39	Norovirus suspected	Person-to-Person	Assisted Living
12/27/2006	Lord Fairfax	20	Norovirus	Person-to-Person	Assisted Living
12/29/2006	Mount Rogers	35	Norovirus suspected	Person-to-Person	Assisted Living
1/1/2007	Crater	9	Norovirus	Person-to-Person	Assisted Living
1/3/2007	Central Virginia	55	Norovirus suspected	Person-to-Person	School (K-12)
1/3/2007	Crater	5	Norovirus	Person-to-Person	Restaurant
1/5/2007	Arlington	43	Norovirus and Rotavirus	Person-to-Person	Daycare/Pre-K
1/6/2007	Central Virginia	23	Norovirus	Person-to-Person	Assisted Living
1/6/2007	Crater	7	Norovirus	Person-to-Person	Assisted Living
1/8/2007	Three Rivers	58	Norovirus	Person-to-Person	Assisted Living
1/11/2007	Fairfax	229	Norovirus	Person-to-Person	Hotel / Resort
1/12/2007	Fairfax	29	Norovirus suspected	Person-to-Person	Daycare/Pre-K
1/13/2007	New River	4	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	College / University
1/13/2007	Fairfax	21	Norovirus	Person-to-Person	Assisted Living
1/16/2007	Henrico	34	Norovirus	Person-to-Person	Assisted Living
1/16/2007	Loudoun	32	Norovirus	Person-to-Person	Long-term care facility
1/19/2007	Chesterfield	18	Norovirus	Person-to-Person	Assisted Living
1/19/2007	New River	36	Norovirus	Person-to-Person	College / University
1/20/2007	Western Tidewater	71	Norovirus	Person-to-Person	Military Base
1/22/2007	Chesterfield	24	Norovirus	Person-to-Person	Assisted Living
1/22/2007	Chesterfield	4	Norovirus suspected	Person-to-Person	Daycare/Pre-K
1/22/2007	Henrico	164	Norovirus	Person-to-Person	Assisted Living
1/24/2007	Chesterfield	53	Norovirus	Person-to-Person	Assisted Living
1/30/2007	Mount Rogers	32	Influenza B virus	Person-to-Person	Correctional Facility
1/31/2007	Lord Fairfax	7	Norovirus	Person-to-Person	School (K-12)



### Other Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
2/2/2007	Virginia Beach	77	Norovirus	Person-to-Person	Assisted Living
2/3/2007	Henrico	106	Norovirus	Person-to-Person	Assisted Living
2/4/2007	Alexandria	67	Norovirus	Person-to-Person	Assisted Living
2/5/2007	Henrico	38	Norovirus suspected	Person-to-Person	School (K-12)
2/6/2007	Richmond	63	Norovirus	Person-to-Person	Assisted Living
2/7/2007	Henrico	67	Norovirus suspected	Person-to-Person	School (K-12)
2/7/2007	Portsmouth	17	Norovirus	Person-to-Person	Assisted Living
2/8/2007	Crater	10	Unknown gastrointestinal illness	Person-to-Person	Restaurant
2/8/2007	Henrico	13	Norovirus suspected	Person-to-Person	Assisted Living
2/8/2007	Cumberland Plateau	24	Norovirus	Person-to-Person	Independent Living / Retirement Home
2/9/2007	Virginia Beach	88	Norovirus suspected	Person-to-Person	School (K-12)
2/9/2007	Three Rivers	114	Norovirus	Person-to-Person	Assisted Living
2/10/2007	Southside	40	Norovirus	Person-to-Person	Assisted Living
2/11/2007	Fairfax	12	Norovirus	Person-to-Person	Assisted Living
2/12/2007	Central Shenandoah	38	Norovirus	Person-to-Person	Independent Living / Retirement Home
2/13/2007	Chesterfield	2	Norovirus suspected	Person-to-Person	Assisted Living
2/13/2007	Chesterfield	45	Norovirus	Person-to-Person	Assisted Living
2/13/2007	Peninsula	16	Norovirus	Person-to-Person	Assisted Living
2/15/2007	Portsmouth	104	Norovirus	Person-to-Person	School (K-12)
2/15/2007	Pittsylvania-Danville	4	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Correctional Facility
2/15/2007	Three Rivers	32	Norovirus	Person-to-Person	Assisted Living
2/18/2007	Peninsula	113	Norovirus	Person-to-Person	Assisted Living
2/18/2007	Arlington	217	Norovirus	Person-to-Person	Hotel / Resort
2/18/2007	Henrico	20	Norovirus suspected	Person-to-Person	Assisted Living
2/20/2007	Chesterfield	53	Norovirus	Person-to-Person	Assisted Living
2/20/2007	Chesterfield	35	Norovirus	Person-to-Person	School (K-12)
2/21/2007	Chesterfield	19	Norovirus suspected	Person-to-Person	School (K-12)

### Other Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
2/21/2007	Henrico	10	Norovirus	Person-to-Person	Assisted Living
2/21/2007	Three Rivers	8	Norovirus suspected	Person-to-Person	Independent Living / Retirement Home
2/22/2007	Henrico	38	Norovirus	Person-to-Person	Assisted Living
2/23/2007	Arlington	16	Norovirus	Person-to-Person	Independent Living / Retirement Home
2/25/2007	Arlington	124	Norovirus	Person-to-Person	Assisted Living
2/25/2007	Mount Rogers	54	Norovirus	Person-to-Person	Independent Living / Retirement Home
2/25/2007	Richmond	65	Norovirus	Person-to-Person	Correctional Facility
2/26/2007	Crater	16	Norovirus	Person-to-Person	Assisted Living
2/26/2007	Richmond	17	Norovirus suspected	Person-to-Person	Daycare / Pre-K
2/26/2007	Virginia Beach	64	Norovirus suspected	Person-to-Person	School (K-12)
2/28/2007	Richmond	39	Norovirus	Person-to-Person	Independent Living / Retirement Home
3/1/2007	Arlington	41	Rotavirus	Person-to-Person	Daycare / Pre-K
3/2/2007	Rappahannock	13	Norovirus	Person-to-Person	Assisted Living
3/4/2007	Fairfax	18	Norovirus	Person-to-Person	Assisted Living
3/5/2007	Crater	18	Norovirus	Person-to-Person	Assisted Living
3/5/2007	Portsmouth	22	Norovirus	Person-to-Person	School (K-12)
3/6/2007	Fairfax	8	Norovirus	Person-to-Person	Independent Living / Retirement Home
3/6/2007	Arlington	34	<i>Streptococcus pyogenes</i>	Person-to-Person	School (K-12)
3/7/2007	Fairfax	8	Norovirus suspected	Person-to-Person	Assisted Living
3/8/2007	Henrico	20	Norovirus suspected	Person-to-Person	Assisted Living
3/10/2007	Henrico	12	Norovirus suspected	Person-to-Person	Assisted Living
3/10/2007	Loudoun	9	Norovirus	Person-to-Person	Assisted Living

### Other Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
3/11/2007	Fairfax	62	Influenza A virus	Person-to-Person	Assisted Living
3/12/2007	Prince William	9	Unknown gastrointestinal illness	Person-to-Person	Correctional Facility
3/12/2007	Arlington	5	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Correctional Facility
3/18/2007	Fairfax	45	Norovirus	Person-to-Person	Assisted Living
3/21/2007	Fairfax	15	Influenza A virus	Person-to-Person	Independent Living / Retirement Home
3/21/2007	Virginia Beach	26	Norovirus	Person-to-Person	Assisted Living
3/24/2007	Henrico	45	Norovirus	Person-to-Person	Assisted Living
3/26/2007	Chesapeake	5	Influenza B virus	Person-to-Person	Assisted Living
3/30/2007	Henrico	10	Norovirus suspected	Person-to-Person	Assisted Living
3/31/2007	Fairfax	17	Norovirus suspected	Person-to-Person	Assisted Living
4/1/2007	Pittsylvania-Danville	18	Unknown gastrointestinal illness	Unknown	Community
4/4/2007	Peninsula	58	Norovirus	Person-to-Person	Assisted Living
4/8/2007	Chesterfield	12	Norovirus	Person-to-Person	Assisted Living
4/9/2007	Peninsula	68	Norovirus	Person-to-Person	Assisted Living
4/10/2007	Fairfax	7	Influenza A virus	Person-to-Person	Assisted Living
4/10/2007	Arlington	24	Norovirus	Person-to-Person	Daycare / Pre-K
4/10/2007	Arlington	35	Rotavirus	Person-to-Person	Daycare / Pre-K
4/10/2007	Alexandria	8	<i>Streptococcus pyogenes</i> suspected	Person-to-Person	Daycare / Pre-K
4/11/2007	Lord Fairfax	19	Norovirus	Person-to-Person	Private Business
4/12/2007	Fairfax	11	Norovirus	Person-to-Person	Daycare / Pre-K
4/16/2007	Fairfax	49	Norovirus	Person-to-Person	College / University
4/17/2007	New River	5	<i>Streptococcus pyogenes</i> suspected	Person-to-Person	Correctional Facility
4/18/2007	Fairfax	10	Norovirus	Person-to-Person	Assisted Living
4/19/2007	New River	120	Norovirus suspected	Person-to-Person	College / University
4/21/2007	Fairfax	36	Norovirus	Person-to-Person	Assisted Living

### Other Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
4/23/2007	Loudoun	6	Norovirus	Person-to-Person	Assisted Living
4/26/2007	Alleghany	22	Norovirus suspected	Person-to-Person	Assisted Living
4/28/2007	Rappahannock	20	Norovirus	Person-to-Person	Assisted Living
4/29/2007	Virginia Beach	77	Norovirus suspected	Person-to-Person	Assisted Living
5/7/2007	Hampton	10	Norovirus suspected	Person-to-Person	Other
5/7/2007	Chesapeake	60	Norovirus	Person-to-Person	Assisted Living
5/9/2007	Fairfax	13	Norovirus	Person-to-Person	Other
5/17/2007	Fairfax	12	<i>Sarcoptes scabiei</i>	Person-to-Person	Assisted Living
5/21/2007	Mount Rogers	15	Norovirus suspected	Person-to-Person	Assisted Living
5/22/2007	Crater	5	<i>Sarcoptes scabiei</i>	Person-to-Person	Long-term care facility
5/24/2007	Thomas Jefferson	10	Norovirus	Person-to-Person	School (K-12)
6/27/2007	Loudoun	6	Norovirus	Person-to-Person	Private Business
7/1/2007	Crater	3	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Correctional Facility
7/2/2007	Fairfax	14	<i>Sarcoptes scabiei</i> suspected	Person-to-Person	Assisted Living
7/11/2007	Eastern Shore	7	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Correctional Facility
7/13/2007	Cumberland Plateau	15	Norovirus suspected	Person-to-Person	Assisted Living
7/17/2007	Mount Rogers	46	Norovirus	Unknown	Daycare / Pre-K
7/22/2007	Loudoun	1	<i>Salmonella</i> ser Paratyphi B, L (+) tartrate (+)	Suspected turtle to human transmission	N/A
7/22/2007	Loudoun	1 VA 102 US	<i>Salmonella</i> ser Paratyphi B (var Java)	Suspected turtle to human transmission	Nationwide Outbreak
8/10/2007	Out of State	3	Norovirus	Unknown - travel associated	Travel Group
8/18/2007	Chesterfield	10	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	School (K-12)
9/7/2007	Out of State	2	Norovirus suspected	Person-to-Person	Travel Group
9/15/2007	Cumberland Plateau	8	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	School (K-12)
9/15/2007	Thomas Jefferson	25	Adenovirus	Person-to-Person	School (K-12)
9/22/2007	Loudoun	8	Norovirus suspected	Person-to-Person	Restaurant
9/29/2007	Henrico	6	Unknown gastrointestinal illness	Person-to-Person	Private Business
10/1/2007	Henrico	3	Parvovirus B19 suspected	Person-to-Person	Daycare / Pre-K

### Other Outbreaks Reported in Virginia, 2007 (continued)

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
10/20/2007	Chesterfield	16	Unknown respiratory illness	Person-to-Person	School (K-12)
10/31/2007	Eastern Shore	3	<i>Staphylococcus aureus</i> , methicillin-resistant	Person-to-Person	Correctional Facility
10/31/2007	Chesterfield	5	Norovirus suspected	Person-to-Person	School (K-12)
11/10/2007	Fairfax	125	Norovirus	Person-to-Person	Hotel / Resort
11/24/2007	Fairfax	7	Norovirus	Person-to-Person	Assisted Living
12/4/2007	Henrico	12	Norovirus suspected	Person-to-Person	School (K-12)
12/5/2007	Alleghany	131	Norovirus	Person-to-Person	Assisted Living
12/7/2007	Loudoun	23	Norovirus	Person-to-Person	Assisted Living
12/14/2007	Richmond	3	<i>Staphylococcus aureus</i> suspected	Person-to-Person	School (K-12)

### Waterborne

One waterborne outbreak was reported in Virginia in 2009. The outbreak involved a group of children who became ill after swimming in a pool at a resort facility. Laboratory tests of pool water confirmed the presence of *Giardia lamblia*. The resort received a violation for poor pool management.

### Waterborne Outbreaks Reported in Virginia, 2007

Onset Date	Health District	Number of Cases	Etiologic Agent	Vehicle	Place Where Outbreak Occurred
7/14/2007	Peninsula	6	<i>Giardia lamblia</i>	Waterborne	Hotel / Resort