

Tuberculosis in Vermont 2008 – 2011

Epidemiological Snapshot

Tuberculosis disease is rare in Vermont, but still occurs in a handful of people each year. In the past five years (2007 - 2011), 28 cases of TB were reported in the state (between 5-6 cases per year). Reports of TB came from eight counties, but the majority was from Chittenden County. Foreign-born people and racial/ethnic minorities in Vermont are disproportionately affected by TB (68% of cases were born outside the U.S.), which is a trend observed across the country. There were no cases of multi-drug resistant TB.

Selected Characteristics of VT Cases 2007 to 2011 (n=28)

Age range: 2 years to 93 years

	<u>Number</u>	<u>Percent</u>
Site of disease		
Pulmonary	14	50%
Extrapulmonary	10	36%
Both	4	14%
Age at diagnosis		
0-19	4	14%
20-64	20	72%
65+	4	14%

We need your feedback about this publication. Please fill out the short questionnaire at https://www.surveymonkey.com/s/IDB_Readers

The Vermont Department of Health (VDH) Tuberculosis Program

All suspected and confirmed cases of TB disease must be reported to VDH. The TB Program staff will arrange for rapid testing when indicated, facilitate medical consultation and provide guidance on infection control measures. Clinicians work with VDH staff to ensure that treatment for TB disease is completed through use of Directly Observed Therapy (DOT). When patients have pulmonary disease, the VDH staff conducts investigations to identify and evaluate close contacts. Latent tuberculosis infection (LTBI) is not reportable in Vermont, but the TB Program staff can provide information about diagnosis using either the tuberculin skin test (TST) or interferon-gamma release assay (IGRA); interpretation of test results and treatment options.

Education and Consultation

The TB Program staff offers education and in-service training to the medical community in Vermont. Public health nurses with expertise in TB are available to advise and support health care providers on appropriate infection control precautions, monitoring adverse effects of the treatment, and managing symptoms related to anti-tuberculosis medications.

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Vermont – Selected Reportable Diseases – 2012

(Data through MMWR Week 8 – 2/25/2012) – Provisional

	Campylobacter	Cryptosporidium	E. coli*	Giardia	Group A Strep Inv**	Hepatitis A	Hepatitis B - Acute	Hepatitis B - Chronic	Hepatitis C - Acute	Hepatitis C - Chronic	Legionellosis**	Listeriosis	Lyme §	Meningococcal Inf.	Pertussis**	Salmonella	Shigella	Tuberculosis**	Varicella §
Age																			
<5	2	0	0	0	1	0	0	0	0	0	0	0	0	0	6	0	0	0	5
5-14	3	1	0	0	0	0	0	0	0	0	0	0	2	0	68	0	0	0	13
15-24	6	2	0	1	1	0	0	0	0	9	0	0	3	0	7	2	0	0	3
25-39	0	0	0	1	0	0	0	1	0	41	0	0	2	0	2	2	0	0	2
40-64	3	3	0	7	3	0	0	2	0	46	0	0	12	0	5	4	0	0	0
65+	2	1	0	2	3	0	0	0	0	2	0	0	4	0	0	3	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (YTD)	16	7	0	11	8	0	0	3	0	98	0	0	23	0	88	11	0	0	23
5-yr Median (YTD)	22	6	0	21	4	0	0	†	0	†	1	1	14	0	5	9	1	0	23
County of Residence																			
Addison	2	1	0	0	0	0	0	0	0	7		0	2	0	24	1	0		1
Bennington	1	0	0	1	1	0	0	0	0	4		0	9	0	3	3	0		0
Caledonia	1	0	0	0	0	0	0	0	0	5		0	0	0	0	0	0		0
Chittenden	3	3	0	5	2	0	0	3	0	30		0	1	0	39	5	0		2
Essex	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0		0
Franklin	0	0	0	0	0	0	0	0	0	6		0	1	0	0	0	0		0
Grand Isle	0	0	0	0	0	0	0	0	0	2		0	0	0	5	0	0		0
Lamoille	0	0	0	1	0	0	0	0	0	2		0	0	0	0	1	0		3
Orange	1	1	0	1	0	0	0	0	0	4		0	0	0	0	0	0		2
Orleans	1	0	0	1	0	0	0	0	0	3		0	0	0	2	0	0		0
Rutland	3	0	0	1	2	0	0	0	0	7		0	2	0	3	0	0		4
Washington	1	1	0	0	1	0	0	0	0	3		0	2	0	8	0	0		1
Windham	2	1	0	0	1	0	0	0	0	16		0	4	0	2	1	0		10
Windsor	1	0	0	1	1	0	0	0	0	8		0	2	0	2	0	0		0
Unknown	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0
Total (YTD)	16	7	0	11	8	0	0	3	0	98	0	0	23	0	88	11	0	0	23

(802)863-7240

1(800)640-4374 (VT)

FAX: (802)865-7701

*Shiga toxin-producing *Escherichia coli* (STEC)

**This column partially obscured to protect patient confidentiality

§ Includes both confirmed & probable cases

†Data captured differently in previous years; no 5-year median available

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Vermont Department of Health Laboratory (VDHL)

The VDHL provides a combination of modern molecular-based assays, culture and biochemical testing for the isolation and rapid identification of *Mycobacterium tuberculosis* and other clinically significant *Mycobacterium* species, as well as first-line drug susceptibility testing free of charge. For diagnosis of both active TB disease and latent TB infection, the VDHL also offers QuantiFERON-TB Gold test (IGRA).

Until TB is eliminated, the Vermont Department of Health will be available to assist with all suspected cases. You can reach the VDH TB Program staff at 800-640-4374 or 863-7240; and the VDHL at 800-660-9997 or 802-863-7335.