

Communicable Disease Data for Identified Health Issues of Concern for the Lewis and Clark County Community Health Improvement Plan

Topic	Size	Comparison to MT and US	Seriousness	Trends	Groups more affected (Health Disparities)	HP 2020 Target
Communicable Disease						
Vaccinations						
Pertussis ¹	52 (average annual number of cases 2011-2013)	N/A		↗ (8 cases annually from 2008-2010)		N/A
Influenza (all types) ²	429 (average annual number of cases 2011-2013)	N/A	2.2% of all deaths in MT are attributable to Influenza and pneumonia (8 th leading cause)	↗ (173 cases annually from 2008-2010)		N/A
Varicella (chickenpox) ³	11 (average annual cases from 2011-2013)	N/A		↔ (15 on average from 2008-2010)		N/A
Vaccination Rates (children) ⁴	Received all age-appropriate vaccinations (ages 19-35) (67.6%-region 2011)	MT: 65.4% (2013) US: 70.4% (2013)	Vaccine preventable diseases on rise (see pertussis above)	Slight ↗ from 2011 to 2013 in Montana (59.6% to 65.4%)		80%
Adolescent Vaccinations: Received 3+ doses of HPV (13-17)	N/A for region	MT: 28.3% US: 37.6%	HPV is a primary cause of cervical cancer	↓ Decrease from 2011 (39.8%)		80%
Pneumonia immunization (65+)	71.5%	MT: 69.9% US: 69.5%	2.2% of all deaths in MT are attributable to Influenza and pneumonia (8 th leading cause)	↔ for US, MT and Region from 2011	Older adults with disabilities are less likely to be vaccinated	90%
Received flu vaccination in past year (ages 65+)	60.7% (Region 2013)	MT: 61.1 US: 62.8	2.2% of all deaths in MT are attributable to Influenza and pneumonia (8 th leading cause)	↗ in Region in US compared to 2011	No statistically significant differences	90%

¹ Lewis and Clark Public Health Communicable Disease Reports-reflects only cases officially reported to health officials. CHA page 8

² Lewis and Clark Public Health Communicable Disease Reports-reflects only cases officially reported to health officials. CHA page 8

³ Lewis and Clark Public Health Communicable Disease Reports-reflects only cases officially reported to health officials. CHA page 8

⁴ For all vaccination rates: Children and Youth: National Immunization Survey, Adults: Behavioral Risk Factor Surveillance Survey, CHA page 17

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Received flu vaccination in past year (all adults)	34.8% (Region, 2013)	MT: 32.9% US: 42.2%	2.2% of all deaths in MT are attributable to Influenza and pneumonia (8 th leading cause of death).	↔ for US, MT and Region from 2011	Adults with disability, males and younger adults are less likely to have received a flu shot	80%
Preparedness and Infrastructure						
Addressing emerging diseases-maintaining vigilance and educating community	No data					
Maintaining communicable disease follow up	No data					
Ensuring access to care and ongoing medical care for CD cases	No data					
Sexually Transmitted Infections						
Chlamydia ⁵	156 cases (average annual number from 2011-2013) Approximate incidence rate-239 per 100,000	3834 in MT (2012) Incidence rate MT: 381 cases per 100,000 population. US: 458 per 100,000.	Chlamydia infection can facilitate the transmission of HIV. Pregnant women infected with chlamydia can pass the infection to their infants during delivery, potentially resulting in neonatal ophthalmia or pneumonia. ⁶	↗ Since 2000, case counts and the incidence rate have more than doubled in Montana ⁷	Highest incidence among young females (aged 15-24) ⁸	N/A

⁵ Lewis and Clark Public Health Communicable Disease Reports-reflects only cases officially reported to health officials. CHA page 8

⁶ <http://dphhs.mt.gov/Portals/85/publichealth/documents/HIVSTD/2012CDEpiAnnualReport.pdf>

⁷ 2012 Communicable Disease Epi Report, Montana DPHHS <http://dphhs.mt.gov/Portals/85/publichealth/documents/HIVSTD/2012CDEpiAnnualReport.pdf>

⁸ 2012 CD Epi Report. Montana DPHHS. <http://dphhs.mt.gov/Portals/85/publichealth/documents/HIVSTD/2012CDEpiAnnualReport.pdf>

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Gonorrhea, HIV, Syphilis ⁹	<5 cases reported annually per year					
Hepatitis C						
Hepatitis C ¹⁰	66 (average annual number of cases 2011-2013)	1251 confirmed cases in MT	Approximately 75–85% of those infected with HCV develop chronic disease that can lead to cirrhosis of the liver and liver cancer. ¹¹	↗42 cases (average annual number of cases 2008-2010)	Most common among adults ages 50-59 ¹²	N/A

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¹⁰ Lewis and Clark Public Health Communicable Disease Reports-reflects only cases officially reported to health officials. CHA page 8

¹¹ 2012 Communicable Disease Epi Report, Montana DPHHS <http://dphhs.mt.gov/Portals/85/publichealth/documents/HIVSTD/2012CDEpiAnnualReport.pdf>

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