

# epiSUMMARY

## Manitoba Monthly Surveillance Report

January 2016

| Reportable Diseases<br>Disease or Organism Name | Monthly Cases |                | Monthly Rate (95%CI) (Per 1,000,000) |                 | Current Month Cases by RHA |       |      |     |    |     | Year-to-Date Cases |      |        |
|---|---------------|----------------|--------------------------------------|-----------------|----------------------------|-------|------|-----|----|-----|--------------------|------|--------|
|   | Current       | 3-Year-Average | Current                              | 3-Year-Average  | WRHA                       | IERHA | NRHA | PMH | SH | Unk | 2016               | 2015 | Change |
| <i>Enterics</i>                                 |               |                |                                      |                 |                            |       |      |     |    |     |                    |      |        |
| CRYPTOSPORIDIOSIS                               | 2             | 1              | 1.5 (0.2-5.5)                        | 0.8 (0.0-4.3)   | 2                          | 0     | 0    | 0   | 0  | 0   | 2                  | 1    | 1      |
| E. COLI-VEROTOXIGENIC                           | 2             | 2              | 1.5 (0.2-5.5)                        | 1.5 (0.2-5.5)   | 0                          | 0     | 0    | 1   | 1  | 0   | 2                  | 2    | 0      |
| AMEBIASIS                                       | 2             | 2              | 1.5 (0.2-5.5)                        | 1.5 (0.2-5.5)   | 2                          | 0     | 0    | 0   | 0  | 0   | 2                  | 1    | 1      |
| SHIGELLOSIS                                     | 2             | 3              | 1.5 (0.2-5.5)                        | 2.3 (0.5-6.7)   | 0                          | 0     | 0    | 1   | 1  | 0   | 2                  | 1    | 1      |
| GIARDIASIS                                      | 10            | 7              | 7.6 (3.6-13.9)                       | 5.4 (2.2-11.0)  | 7                          | 0     | 0    | 0   | 3  | 0   | 10                 | 5    | 5      |
| CAMPYLOBACTERIOSIS                              | 4             | 11             | 3.0 (0.8-7.8)                        | 8.4 (4.2-15.1)  | 4                          | 0     | 0    | 0   | 0  | 0   | 4                  | 10   | -6     |
| SALMONELLOSIS                                   | 24            | 18             | 18.2 (11.6-27.0)                     | 13.8 (8.2-21.8) | 8                          | 4     | 0    | 5   | 7  | 0   | 24                 | 18   | 6      |
| <i>VPD</i>                                      |               |                |                                      |                 |                            |       |      |     |    |     |                    |      |        |
| DIPHTHERIA CARRIERS                             | 1             | 0              | 0.8 (0.0-4.2)                        | 0.0 (0.0-2.8)   | 1                          | 0     | 0    | 0   | 0  | 0   | 1                  | 0    | 1      |
| PERTUSSIS                                       | 8             | 0              | 6.1 (2.6-11.9)                       | 0.0 (0.0-2.8)   | 2                          | 2     | 4    | 0   | 0  | 0   | 8                  | 0    | 8      |
| H. INFLUENZAE (NON-SEROTYPE B)                  | 4             | 1              | 3.0 (0.8-7.8)                        | 0.8 (0.0-4.3)   | 0                          | 2     | 0    | 0   | 2  | 0   | 4                  | 1    | 3      |
| PNEUMOCOCCAL INVASIVE DISEASE                   | 6             | 13             | 4.5 (1.7-9.9)                        | 10.0 (5.3-17.0) | 1                          | 1     | 2    | 0   | 2  | 0   | 6                  | 9    | -3     |
| <i>Respiratory Diseases and TB</i>              |               |                |                                      |                 |                            |       |      |     |    |     |                    |      |        |
| TB - NON-RESP.                                  | 5             | 1              | 3.8 (1.2-8.8)                        | 0.8 (0.0-4.3)   | 4                          | 0     | 1    | 0   | 0  | 0   | 5                  | 2    | 3      |

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|-----------------------------------|--------------------------|---------|--------------------------------------|---------------------|----------------------------|------|-------|------|-----|----|--------------------|------|------|
|                                   | Disease or Organism Name | Current | 3-Year-Average                       | Current             | 3-Year-Average             | WRHA | IERHA | NRHA | PMH | SH | Unk                | 2016 | 2015 |
| TB - RESP.                        | 4                        | 12      | 3.0 (0.8-7.8)                        | 9.2 (4.8-16.1)      | 2                          | 0    | 2     | 0    | 0   | 0  | 4                  | 6    | -2   |
| INFLUENZA B                       | 5                        | 16      | 3.8 (1.2-8.8)                        | 12.3 (7.0-19.9)     | 0                          | 0    | 0     | 0    | 5   | 0  | 5                  | 21   | -16  |
| INFLUENZA A                       | 23                       | 445     | 17.4 (11.0-26.1)                     | 340.9 (310.0-374.1) | 11                         | 4    | 2     | 3    | 3   | 0  | 23                 | 577  | -554 |
| <i>EMD and Zoonotics</i>          |                          |         |                                      |                     |                            |      |       |      |     |    |                    |      |      |
| ANAPLASMOSIS                      | 1                        | .....   | 0.8 (0.0-4.2)                        | .....               | 0                          | 1    | 0     | 0    | 0   | 0  | 1                  | 0    | 1    |
| BLASTOMYCOSIS                     | 1                        | 1       | 0.8 (0.0-4.2)                        | 0.8 (0.0-4.3)       | 1                          | 0    | 0     | 0    | 0   | 0  | 1                  | 2    | -1   |
| MALARIA                           | 3                        | 1       | 2.3 (0.5-6.6)                        | 0.8 (0.0-4.3)       | 3                          | 0    | 0     | 0    | 0   | 0  | 3                  | 2    | 1    |
| <i>STBBI</i>                      |                          |         |                                      |                     |                            |      |       |      |     |    |                    |      |      |
| HIV                               | 8                        | 9       | 6.1 (2.6-11.9)                       | 6.9 (3.2-13.1)      | 4                          | 1    | 1     | 0    | 2   | 0  | 8                  | 6    | 2    |
| GONORRHEA                         | 128                      | 111     | 96.9 (80.9-115.3)                    | 85.0 (70.0-102.4)   | 74                         | 7    | 42    | 1    | 4   | 0  | 128                | 99   | 29   |
| CHLAMYDIA                         | 634                      | 612     | 480.2 (443.5-519.0)                  | 468.9 (432.4-507.5) | 307                        | 46   | 178   | 59   | 44  | 0  | 634                | 603  | 31   |
| INFECTIOUS SYPHILIS*              | 23                       | 9       | 17.4 (11.0-26.1)                     | 6.9 (3.2-13.1)      | 7                          | 0    | 13    | 2    | 1   | 0  | 23                 | 18   | 5    |
| SYPHILIS (Sero-reactive)*         | 146                      | 37      | 110.6 (93.4-130.0)*                  | 28.3 (20.0-39.1)    | 82                         | 6    | 42    | 9    | 7   | 0  | 146                | 63   | 83   |
| HEPATITIS B*                      | 1                        | 1       | 0.8 (0.0-4.2)                        | 0.8 (0.0-4.3)       | 0                          | 0    | 0     | 0    | 1   | 0  | 1                  | 0    | 1    |
| HEPATITIS C                       | 30                       | 27      | 22.7 (15.3-32.4)                     | 20.7 (13.6-30.1)    | 20                         | 4    | 1     | 4    | 1   | 0  | 30                 | 26   | 4    |
| <i>OTHER DISEASES</i>             |                          |         |                                      |                     |                            |      |       |      |     |    |                    |      |      |
| STREP. INVASIVE DISEASE (GROUP A) | 17                       | 13      | 12.9 (7.5-20.6)                      | 10.0 (5.3-17.0)     | 7                          | 2    | 5     | 2    | 1   | 0  | 17                 | 18   | -1   |
| CLOSTRIDIUM DIFFICILE             | 100                      | 74      | 75.7 (61.6-92.1)                     | 56.7 (44.5-71.2)    | 71                         | 5    | 2     | 12   | 10  | 0  | 100                | 71   | 29   |

**Data extracted:**        *March 15, 2016*

## **Notes and Abbreviations**

### Notes:

1. 3-year-average cases / rate are defined as the average cases / rate reported in the same month over the previous three years.
2. Out-of-province cases are excluded.
3. The diseases where the current monthly rates are significantly higher than the previous 3-year average rates for the same month are highlighted yellow.
4. Syphilis (sero-reactive): This category includes all reported *Treponema pallidum* serology-reactive individuals reported to the Public Health Surveillance System. These reports include infectious and non-infectious cases, as well as those requiring further public health follow-up to determine this status (implemented in 2013).
5. Syphilis (infectious): This category includes all confirmed infectious syphilis cases with primary, secondary, early latent stage of infection, or congenital syphilis as defined by the MHLS Communicable Disease Protocol. This addition to the report is effective January, 2016.
6. Hepatitis B: This includes confirmed cases of acute infection only, where both surface antigen (HBsAG) and core antibody (Anti-HBc IgM) are positive.
7. Since the reportable diseases' list was updated in January 2015, this monthly report was correspondingly modified.
8. The two categories "ARO and Nosocomial Organisms" and "Non VPD" have been combined to the category "Other diseases" since Jan 2015.

### Abbreviations:

|       |   |
|-------|---|
| ARO   | Antibiotic Resistant Organisms                |
| CI    | Confidence Interval                           |
| EMD   | Environmentally Mediated Diseases             |
| IERHA | Interlake-Eastern Regional Health Authority   |
| NRHA  | Northern Regional Health Authority            |
| PMH   | Prairie Mountain Health                       |
| RHA   | Regional Health Authority                     |
| STBBI | Sexually Transmitted & Blood-Borne Infections |
| TB    | Tuberculosis                                  |
| VPD   | Vaccine Preventable Diseases                  |
| WNV   | West Nile Virus                               |
| WRHA  | Winnipeg Regional Health Authority            |