

# epiSUMMARY

## Manitoba Monthly Surveillance Report

February 2014

| 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 | 2014               | 2013 | Change |
| <i>Enterics</i>                                 |               |                |                                       |                  |                            |       |      |     |    |     |                    |      |        |
| HEPATITIS A                                     | 1             | 0              | 0.8 (0.0-4.3)                         | 0.0 (0.0-2.9)    | 1                          | 0     | 0    | 0   | 0  | 0   | 1                  | 1    | 0      |
| CRYPTOSPORIDIOSIS                               | 1             | 1              | 0.8 (0.0-4.3)                         | 0.8 (0.0-4.4)    | 0                          | 0     | 0    | 0   | 1  | 0   | 4                  | 2    | 2      |
| SHIGELLOSIS                                     | 3             | 2              | 2.3 (0.5-6.8)                         | 1.6 (0.2-5.7)    | 1                          | 0     | 1    | 0   | 1  | 0   | 6                  | 8    | -2     |
| E. COLI-VEROTOXIGENIC                           | 5             | 3              | 3.9 (1.3-9.1)                         | 2.4 (0.5-6.9)    | 3                          | 1     | 0    | 1   | 0  | 0   | 5                  | 4    | 1      |
| AMEBIASIS                                       | 2             | 3              | 1.6 (0.2-5.6)                         | 2.4 (0.5-6.9)    | 0                          | 0     | 0    | 1   | 1  | 0   | 3                  | 5    | -2     |
| GIARDIASIS                                      | 6             | 10             | 4.7 (1.7-10.1)                        | 7.9 (3.8-14.5)   | 2                          | 3     | 0    | 0   | 1  | 0   | 9                  | 19   | -10    |
| CAMPYLOBACTER                                   | 10            | 15             | 7.8 (3.7-14.3)                        | 11.8 (6.6-19.5)  | 6                          | 0     | 0    | 0   | 4  | 0   | 20                 | 34   | -14    |
| SALMONELLOSIS                                   | 22            | 19             | 17.1 (10.7-25.8)                      | 15.0 (9.0-23.4)  | 10                         | 0     | 3    | 6   | 3  | 0   | 35                 | 39   | -4     |
| <i>VPD</i>                                      |               |                |                                       |                  |                            |       |      |     |    |     |                    |      |        |
| PNEUMOCOCCAL INVASIVE DISEASE                   | 12            | 10             | 9.3 (4.8-16.3)                        | 7.9 (3.8-14.5)   | 6                          | 0     | 1    | 1   | 4  | 0   | 23                 | 28   | -5     |
| <i>Respiratory Diseases and TB</i>              |               |                |                                       |                  |                            |       |      |     |    |     |                    |      |        |
| TB - NON-RESP.                                  | 4             | 2              | 3.1 (0.8-7.9)                         | 1.6 (0.2-5.7)    | 3                          | 0     | 1    | 0   | 0  | 0   | 5                  | 2    | 3      |
| INFLUENZA B                                     | 2             | 5              | 1.6 (0.2-5.6)                         | 3.9 (1.3-9.2)    | 2                          | 0     | 0    | 0   | 0  | 0   | 9                  | 34   | -25    |
| TB - RESP.                                      | 7             | 10             | 5.4 (2.2-11.2)                        | 7.9 (3.8-14.5)   | 0                          | 0     | 7    | 0   | 0  | 0   | 19                 | 29   | -10    |
| INFLUENZA A                                     | 155           | 31             | 120.2 (102.0-140.7)*                  | 24.4 (16.6-34.6) | 39                         | 24    | 23   | 43  | 26 | 0   | 549                | 429  | 120    |

| Reportable Diseases                 | Monthly Cases |                | Monthly Rate (95% CI) (Per 1,000,000) |                     | Current Month Cases by RHA |       |      |     |    |     | Year-to-Date Cases |      |        |
|-------------------------------------|---------------|----------------|---------------------------------------|---------------------|----------------------------|-------|------|-----|----|-----|--------------------|------|--------|
| Disease or Organism Name            | Current       | 3-Year-Average | Current                               | 3-Year-Average      | WRHA                       | IERHA | NRHA | PMH | SH | Unk | 2014               | 2013 | Change |
| <i>EMD and Zoonotics</i>            |               |                |                                       |                     |                            |       |      |     |    |     |                    |      |        |
| TRYPANOSOMA CRUZI                   | 1             | 0              | 0.8 (0.0-4.3)                         | 0.0 (0.0-2.9)       | 1                          | 0     | 0    | 0   | 0  | 0   | 1                  | 1    | 0      |
| BLASTOMYCOSIS                       | 1             | 1              | 0.8 (0.0-4.3)                         | 0.8 (0.0-4.4)       | 1                          | 0     | 0    | 0   | 0  | 0   | 3                  | 2    | 1      |
| STRONGYLOIDES                       | 3             | 2              | 2.3 (0.5-6.8)                         | 1.6 (0.2-5.7)       | 3                          | 0     | 0    | 0   | 0  | 0   | 4                  | 3    | 1      |
| <i>Non VPD</i>                      |               |                |                                       |                     |                            |       |      |     |    |     |                    |      |        |
| NECROTIZING FASCIITIS (STREP.)      | 2             | 1              | 1.6 (0.2-5.6)                         | 0.8 (0.0-4.4)       | 1                          | 1     | 0    | 0   | 0  | 0   | 2                  | 7    | -5     |
| STREP. INVASIVE DISEASE             | 27            | 24             | 20.9 (13.8-30.5)                      | 18.9 (12.1-28.1)    | 12                         | 3     | 5    | 5   | 2  | 0   | 52                 | 49   | 3      |
| <i>ARO and Nosocomial Organisms</i> |               |                |                                       |                     |                            |       |      |     |    |     |                    |      |        |
| DATA NOT AVAILABLE                  |               |                |                                       |                     |                            |       |      |     |    |     |                    |      |        |
| <i>STBBI</i>                        |               |                |                                       |                     |                            |       |      |     |    |     |                    |      |        |
| HIV                                 | 13            | 5              | 10.1 (5.4-17.2)                       | 3.9 (1.3-9.2)       | 12                         | 0     | 0    | 1   | 0  | 0   | 27                 | 17   | 10     |
| SYPHILIS (Sero-reactive)*           | 54            | .....          | 41.9 (31.5-54.6)                      | .....               | 43                         | 4     | 3    | 2   | 2  | 0   | 86                 | 32   | 54     |
| HEPATITIS C                         | 23            | 24             | 17.8 (11.3-26.8)                      | 18.9 (12.1-28.1)    | 16                         | 0     | 0    | 4   | 3  | 0   | 51                 | 45   | 6      |
| GONORRHEA                           | 80            | 84             | 62.1 (49.2-77.2)                      | 66.1 (52.7-81.9)    | 39                         | 8     | 27   | 3   | 3  | 0   | 181                | 229  | -48    |
| CHLAMYDIA                           | 516           | 522            | 400.2 (366.4-436.3)                   | 410.9 (376.4-447.7) | 259                        | 41    | 133  | 47  | 36 | 0   | 1099               | 1172 | -73    |

**Data extracted:**      *April 14, 2014*

## **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: Due to improved testing and referral processes that took place in 2013, there was an observed increase in the number of records entered into the surveillance system. The data point shown in the table includes all reported *Treponema* serology-reactive individuals, however these may be infectious and non-infectious cases, as well as those requiring further public health follow-up to determine this status. These factors also make it difficult to draw a comparison to historical data, therefore statistical testing was not done.
5. Hepatitis B: This includes confirmed cases of acute infection only, where both surface antigen (HBsAG) and core antibody (Anti-HBc IgM) are positive.

Abbreviations:

|       |  |
|-------|--|
| ARO   | Antibiotic Resistant Organisms                     |
| CI    | Confidence Interval                                |
| EMD   | Environmentally Mediated Diseases                  |
| IERHA | Interlake-Eastern Regional Health Authority        |
| MRSA  | Methicillin Resistant <i>Staphylococcus Aureus</i> |
| 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                       |
| VRE   | Vancomycin-Resistant Enterococci                   |
| VRSA  | Vancomycin Resistant <i>Staphylococcus Aureus</i>  |
| WNV   | West Nile Virus                                    |
| WRHA  | Winnipeg Regional Health Authority                 |