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### Appendix 1: List of Data Used in this Report and Technical Definition of Equivalent Services Measure (ESM)

### Data Used in This Report

- Manitoba Health Insurance Registry (2004/05-2018/19)
- Medical Claims (2004/05-2018/19)
- Provider Registry (2004/05-2018/19)

Additional information about these data is available on the Manitoba Centre for Health Policy website at http:// umanitoba.ca/faculties/health\_sciences/medicine/units/ chs/departmental\_units/ mchp/resources/repository/ descriptions.html.

# Equivalent Services Measure (ESM) Definition

A standardized measure of service provision that enables researchers to use tariff codes over time regardless of any changes in the fee associated with them. Tariff codes are specific codes used to identify each service provided by a physician or a nurse practitioner as defined in the Physician Tariff Manual. In this report, the numerical value of ESM is standardized based on the dollar value of tariffs in 2005 (see list below). The ESM accounts for the effects of inflation and reflects the intensity of the service.

### **Tariffs Included in This Report:**

### 5556, 5557;

7900, 7904, 7908, 7918, 7919, 7920, 7923, 7928, 7930, 7944;

8009, 8110, 8141, 8300, 8301, 8303, 8304, 8305, 8306, 8307, 8308, 8309, 8310, 8315, 8316, 8400, 8401, 8402, 8403, 8405, 8406, 8407, 8409, 8412, 8413, 8416, 8440, 8450, 8451, 8460, 8461, 8466, 8470, 8471, 8487, 8498, 8499, 8500, 8502, 8503, 8504, 8505, 8508, 8509, 8510, 8511, 8513, 8514, 8515, 8516, 8520, 8524, 8529, 8530, 8540, 8543, 8544, 8550, 8552, 8553, 8555, 8556, 8557, 8558, 8559, 8560, 8561, 8562, 8563, 8564, 8566, 8567, 8571, 8572, 8573, 8574, 8575, 8576, 8577, 8578, 8579, 8580, 8581, 8582, 8584, 8585, 8589, 8594, 8595, 8597, 8598, 8599, 8617, 8630, 8632, 8635, 8636, 8645, 8646, 8650, 8651, 8670, 8671, 8672, 8674, 8685, 8690, 8732, 8734, 8735, 8751, 8761, 8768, 8778, 8791, 8800, 8802, 8805, 8810, 8811, 8812, 8813, 8814, 8815, 8816, 8818, 8820, 8821, 8830, 8831, 8850, 8851, 8863, 8865, 8872, 8893, 8894, 8896, 8897, 8899, 8901, 8904, 8907, 8910, 8913, 8916, 8920, 8924, 8926, 8928, 8931, 8942, 8943, 8950, 8951, 8952, 8953, 8954, 8955, 8956, 8957, 8958, 8961, 8964, 8969, 8970, 8971, 8981, 8990, 8991;

9724, 9726, 9727, 9728, 9729, 9730, 9740, 9741, 9743, 9745, 9749, 9770, 9771, 9772, 9786, 9790, 9791, 9792, 9795, 9796, 9817, 9818, 9830, 9831, 9832, 9834, 9836, 9837, 9838, 9841, 9847, 9849, 9851, 9853, 9854, 9856, 9857, 9858, 9862, 9864, 9865, 9870, 9878, 9881, 9882, 9889, 9890, 9891, 9897, 9958.

## Appendix 2: How to Use the Primary Care Provider Projection Calculator in Healthcare Planning

# What is the primary care provider projection calculator?

This appendix will help planners put the report to use. The online supplement includes an Excel-based calculator<sup>1</sup> with the necessary formulae embedded in the file.

Service delivery as defined by the Equivalent Services Measure (ESM) calculation is based on the population characteristics. The calculator provides a mechanism to adjust the number of providers required to provide the projected future service needs of the population that incorporates the provider characteristics in the calculation. For example, a provider pool that includes more providers with higher levels of ESM provision will need fewer providers than one which has more providers with lower ESM delivery.

#### Appendix Table 2.1: Functional Primary Care Provider Service Calculator with Example Data

|                      |                                   |                                      | Inputs                                |                                     |  | Outputs  |
|----------------------|-----------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|--|--|
| Years of             |                                   |                                      | aracteristics<br>ear = 2018/19)*      |                                     | Overall<br>Characteristics<br>(Target Year =<br>2025/26)** | Practice Volume<br>(Target Year =<br>2025/26)                        |
| Provider<br>Practice | Total ESM<br>for All<br>Providers | Total ESM<br>for Female<br>Providers | Average ESM<br>per Female<br>Provider | Average ESM<br>per Male<br>Provider | Projected<br>Total ESM<br>for All Providers                | Number of<br>Providers<br>Required for<br>Projected Service<br>Needs |
|                      | (A)                               | (B)                                  | (C)                                   | (D)                                 | (E)  | (F)  |
| 1-5                  | 50,699,774                        | 23,910,719                           | 69,507                                | 97,061                              | 215,696,408  | 701  |
| 6-10                 | 44,496,037                        | 19,056,488                           | 113,431                               | 184,344                             | 215,696,408  | 346  |
| 11-15                | 23,124,503                        | 9,324,475                            | 92,321                                | 166,265                             | 215,696,408  | 208  |
| 16-20                | 19,659,003                        | 4,398,152                            | 72,100                                | 162,349                             | 215,696,408  | 175  |
| 21+                  | 52,807,577                        | 12,698,060                           | 112,372                               | 152,507                             | 215,696,408  | 425  |
| Overall              | 190,786,900                       | 69,387,894                           | 88,168                                | 142,153                             | 215,696,408  | 1,855  |

Note: Calculations exclude entities (i.e., billing numbers that are used by multiple physicians) and include only well-established physicians

(i.e., those who are active one year prior and one year after the study year).

\* The reference year is the most current year for which provider characteristics are available. In this example, this is 2018/19. \*\* The target year is the year for which total ESM is projected. In this example, the target year is 2025/26.

$$F = \left[\frac{\left(\frac{A_i}{Sum(A_i)}\right) \times \left(\frac{B_i}{A_i}\right)}{C} + \frac{\left(\frac{A_i}{Sum(A_i)}\right) \times \left(1 - \frac{B_i}{A_i}\right)}{D}\right] \times E$$

# How can this calculator be used in HHR planning?

- 1. Start with the current (baseline) total ESM and average ESM (per provider) for each category (years in practice and sex).
- 2. Calculate the projected total ESM required in a future year (target year) based on the population characteristics.
- 3. Insert this information into the calculator to estimate the number of providers in each category necessary to provide the projected ESM.
- 4. The calculator supports adjusting any of the input data, resulting in changes to the HHR output.
- The calculator assumes no major changes in patterns of service delivery (ESM), such as new types of providers or new roles for current providers.
- 6. The calculator is based on the current (baseline) distribution of providers across the years in practice and sex categories.

<sup>1</sup> http://www.umanitoba.ca/faculties/health\_sciences/medicine/units/chs/ departmental\_units/mchp/projects/media/physmod2\_calculator\_functional.xlsx

## Appendix 3: Changes in Average Equivalent Services Measure (ESM) in Manitoba by Provider Practice Years, Location, and Sex

| Appendix Table 3.1: Annual Average Equivalent Services Measure for Primar | y Care Providers in Manitoba from 2005/06 to 2018/19 |
|---|--|
|---|--|

| Years in     |         | Average ESM | I by Provider |         |
|--------------|---------|-------------|---------------|---------|
| Practice and | Urt     | ban         | Ru            | ıral    |
| Fiscal Year  | Female  | Male        | Female        | Male    |
| 1-5 Years    |         |             |               |         |
| 2005/06      | 65,237  | 127,089     | 70,666        | 97,640  |
| 2006/07      | 60,544  | 111,842     | 65,159        | 87,167  |
| 2007/08      | 45,196  | 99,500      | 63,371        | 77,619  |
| 2008/09      | 54,179  | 112,351     | 58,596        | 81,071  |
| 2009/10      | 63,533  | 112,194     | 68,893        | 101,260 |
| 2010/11      | 57,324  | 103,108     | 77,978        | 90,298  |
| 2011/12      | 73,094  | 118,934     | 74,392        | 103,534 |
| 2012/13      | 77,718  | 111,817     | 73,525        | 104,176 |
| 2013/14      | 72,068  | 112,387     | 72,612        | 101,482 |
| 2014/15      | 94,525  | 122,843     | 83,948        | 113,125 |
| 2015/16      | 79,865  | 100,964     | 64,897        | 85,644  |
| 2016/17      | 74,436  | 118,463     | 65,640        | 90,111  |
| 2017/18      | 72,086  | 113,367     | 71,218        | 80,791  |
| 2018/19      | 70,920  | 114,859     | 67,611        | 77,896  |
| p-values*    | 0.0144  | 0.9277      | 0.4666        | 0.8057  |
| 6-10 Years   |         |             |               |         |
| 2005/06      | 114,016 | 155,949     | 97,607        | 107,543 |
| 2006/07      | 97,065  | 155,944     | 101,980       | 114,812 |
| 2007/08      | 91,248  | 162,627     | 104,276       | 126,053 |
| 2008/09      | 84,640  | 180,227     | 106,212       | 134,772 |
| 2009/10      | 100,532 | 175,896     | 117,446       | 145,729 |
| 2010/11      | 89,973  | 172,462     | 118,697       | 164,842 |
| 2011/12      | 88,207  | 166,997     | 113,728       | 150,209 |
| 2012/13      | 82,119  | 168,205     | 83,389        | 140,735 |
| 2013/14      | 82,362  | 164,136     | 92,670        | 158,157 |
| 2014/15      | 115,859 | 230,116     | 101,402       | 193,701 |
| 2015/16      | 113,830 | 202,563     | 85,402        | 163,697 |
| 2016/17      | 117,610 | 199,125     | 68,169        | 168,495 |
| 2017/18      | 119,925 | 202,295     | 73,093        | 155,895 |
| 2018/19      | 124,096 | 185,603     | 91,494        | 145,589 |
| p-values*    | 0.0565  | 0.0057      | 0.0164        | 0.0047  |

\* Bolded p-values indicate a statistically significant change over time (p<0.01).

#### Appendix Table 3.1: Continued

| Years in     |         | Average ESN | I by Provider |         |
|--------------|---------|-------------|---------------|---------|
| Practice and | Urt     | ban         | Ru            | ıral    |
| Fiscal Year  | Female  | Male        | Female        | Male    |
| 11-15 Years  |         |             |               |         |
| 2005/06      | 137,014 | 176,944     | 69,121        | 171,928 |
| 2006/07      | 136,767 | 177,766     | 112,553       | 146,373 |
| 2007/08      | 146,176 | 163,629     | 108,747       | 164,858 |
| 2008/09      | 125,976 | 174,275     | 103,680       | 151,899 |
| 2009/10      | 112,413 | 173,669     | 125,760       | 137,493 |
| 2010/11      | 112,850 | 172,129     | 103,341       | 137,159 |
| 2011/12      | 106,904 | 174,676     | 106,898       | 141,524 |
| 2012/13      | 104,873 | 184,565     | 122,433       | 133,414 |
| 2013/14      | 98,529  | 187,265     | 116,812       | 148,647 |
| 2014/15      | 119,782 | 219,456     | 132,280       | 196,810 |
| 2015/16      | 95,309  | 169,650     | 99,321        | 160,826 |
| 2016/17      | 97,905  | 157,197     | 124,072       | 172,200 |
| 2017/18      | 95,750  | 183,327     | 84,127        | 195,041 |
| 2018/19      | 94,246  | 180,986     | 91,853        | 200,136 |
| p-values*    | <.0001  | 0.4990      | 0.7476        | 0.0469  |
| 16-20 Years  |         |             |               |         |
| 2005/06      | 125,054 | 182,019     | 92,764        | 190,834 |
| 2006/07      | 110,248 | 191,696     | 66,116        | 188,669 |
| 2007/08      | 114,455 | 186,450     | 76,241        | 162,302 |
| 2008/09      | 140,293 | 176,745     | 71,669        | 168,757 |
| 2009/10      | 135,923 | 210,494     | 96,216        | 169,360 |
| 2010/11      | 137,121 | 187,864     | 67,062        | 165,334 |
| 2011/12      | 143,074 | 180,095     | 94,463        | 159,465 |
| 2012/13      | 137,035 | 173,380     | 115,558       | 146,572 |
| 2013/14      | 119,687 | 156,592     | 114,545       | 139,041 |
| 2014/15      | 129,519 | 208,999     | 128,542       | 169,798 |
| 2015/16      | 109,353 | 181,520     | 138,968       | 155,003 |
| 2016/17      | 96,221  | 184,486     | 126,859       | 151,166 |
| 2017/18      | 96,446  | 171,354     | 107,702       | 149,633 |
| 2018/19      | 88,833  | 187,290     | 101,265       | 163,328 |
| p-values*    | 0.0383  | 0.5766      | 0.0046        | 0.0084  |

\* **Bolded** p-values indicate a statistically significant change over time (p<0.01).

#### Appendix Table 3.1: Continued

| Years in     |         | Average ESM | l by Provider |         |
|--------------|---------|-------------|---------------|---------|
| Practice and | Urk     | ban         | Ru            | iral    |
| Fiscal Year  | Female  | Male        | Female        | Male    |
| 20+ Years    |         |             |               |         |
| 2005/06      | 102,334 | 189,623     | 52,676        | 152,793 |
| 2006/07      | 130,184 | 189,966     | 103,171       | 181,544 |
| 2007/08      | 127,930 | 174,404     | 98,135        | 179,896 |
| 2008/09      | 129,580 | 178,689     | 100,473       | 178,742 |
| 2009/10      | 135,588 | 173,039     | 90,455        | 176,775 |
| 2010/11      | 123,769 | 174,174     | 96,561        | 169,447 |
| 2011/12      | 124,249 | 167,009     | 78,432        | 170,833 |
| 2012/13      | 122,589 | 163,887     | 78,518        | 163,528 |
| 2013/14      | 125,926 | 162,497     | 80,162        | 173,188 |
| 2014/15      | 152,633 | 202,437     | 110,100       | 201,850 |
| 2015/16      | 126,719 | 164,512     | 88,497        | 167,162 |
| 2016/17      | 120,449 | 155,206     | 69,429        | 157,702 |
| 2017/18      | 113,411 | 160,838     | 98,992        | 138,494 |
| 2018/19      | 113,347 | 150,494     | 91,830        | 146,518 |
| p-values*    | 0.9172  | 0.0156      | 0.7275        | 0.1537  |

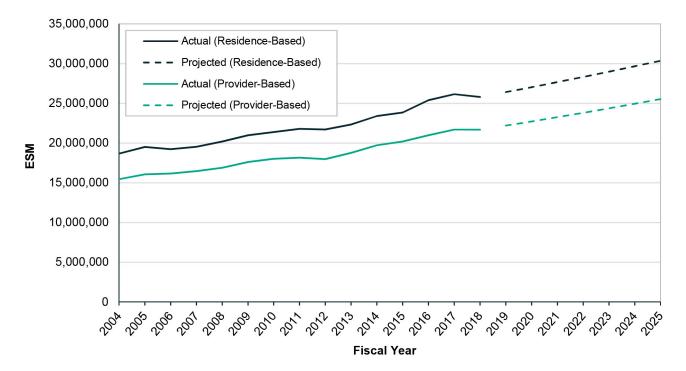
\* **Bolded** p-values indicate a statistically significant change over time (p<0.01).

## Appendix 4: Equivalent Services Measure (ESM) Projections by Health Region and My Health Team

### **Health Region**

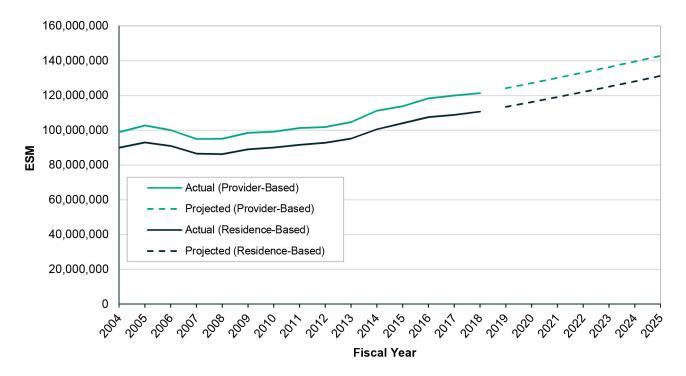
Appendix Table 4.1: Actual and Projected Equivalent Services Measure (ESM) for Primary Care Provision in Southern Health-Santé Sud from 2004/05 to 2025/26

Family physicians and nurse practitioners



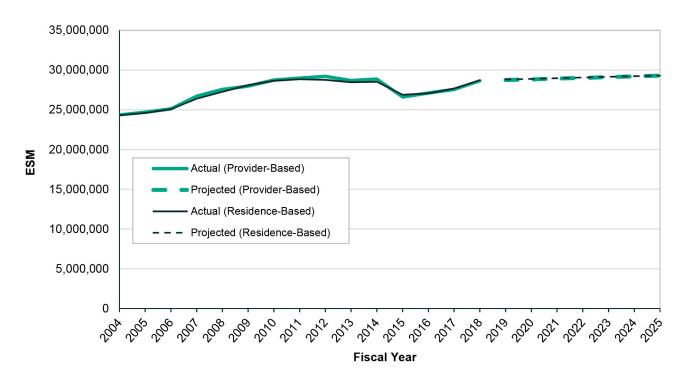
## Appendix Table 4.2: Actual and Projected Equivalent Services Measure (ESM) for Primary Care Provision in Winnipeg RHA from 2004/05 to 2025/26

Family physicians and nurse practitioners



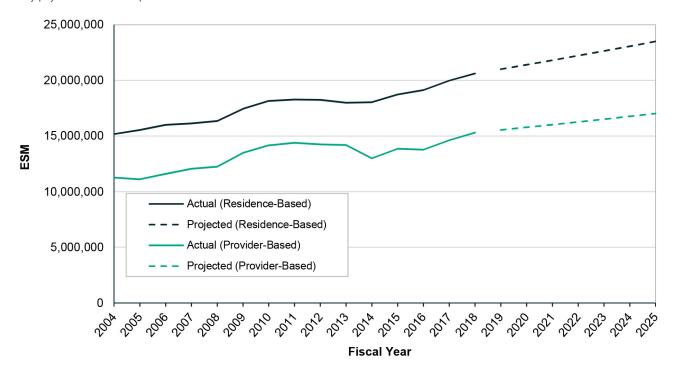
Appendix Table 4.3: Actual and Projected Equivalent Services Measure (ESM) for Primary Care Provision in Prairie Mountain Health from 2004/05 to 2025/26

Family physicians and nurse practitioners



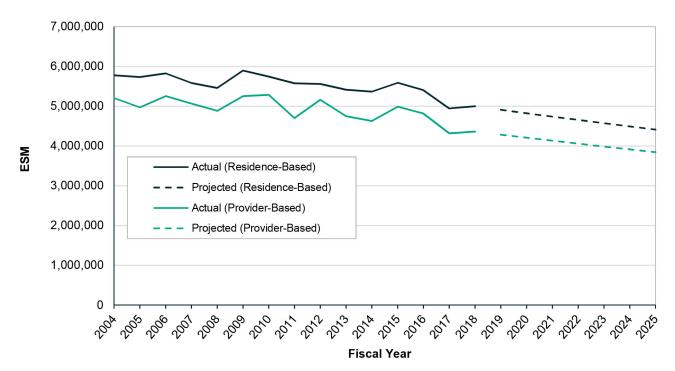
Appendix Table 4.4: Actual and Projected Equivalent Services Measure (ESM) for Primary Care Provision in Interlake-Eastern RHA from 2004/05 to 2025/26

Family physicians and nurse practitioners

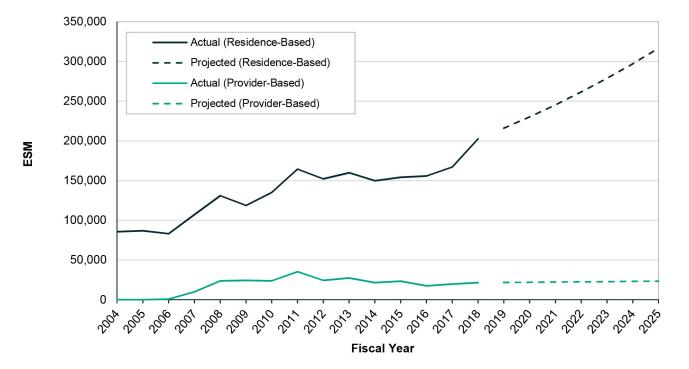


Appendix Table 4.5: Actual and Projected Equivalent Services Measure (ESM) for Primary Care Provision in Northern Health Region from 2004/05 to 2025/26

Family physicians and nurse practitioners







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Appendix Table 4.1: Actual and Projected Primary Care Equivalent Services Measure Based on Provider Location by Health Region and My Health Team, 2018/19-2025/26

| Health Kegion     Actual     2018     2019     2018     2018     2018     2019     2019     2019     2019     2019     2019     2019     2019     2019     2019     2019     2019     2018     2014   | 2019     2020       2019     2020       6,179,115     6,325,022       1,584,856     1,622,279       8,553,573     8,755,548       4,028,067     4,123,181       1,852,209     1,895,946 | 2021<br>6,474,375        | Projected<br>2022 | 2023        | 2024        | 2025        |
|--|---|--------------------------|-------------------|-------------|-------------|-------------|
| 2018     th-Santé Sud   6,068,045     (1,556,368   8,399,822     Santé   1,556,368     Santé   1,556,368     Santé   1,818,916     santé   1,3,694,174     inteath   1,520,899     in Health   4,596,254     and   4,640,661   |   | <b>2021</b><br>6,474,375 | 2022              | 2023        | 2024        | 2025        |
| th-Santé Sud   6,068,045     1,556,368   8,399,822     8,399,822   3,955,662     8,399,822   3,955,662     Santé   1,818,916     anscona   18,855,106     oniface   23,094,899     ver Heights   24,352,792     siniboine South   13,694,174     Inkster   19,219,471     oint Douglas   21,219,877     in Health   4,596,254     in Health   4,596,254  |   | 6,474,375                |                   |             |             |             |
| 6,068,045   1,556,368   8,399,822   8,399,822   8,399,822   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,954,174   13,694,174   13,694,174   13,694,174   Inkster 13,694,174   Inkster 13,694,174   Inkster 13,694,174   Inkster 13,219,471   Inkster 19,219,471   Inkster 19,219,471   Inkster 19,219,471   Inkster 19,219,471   Inkster 19,219,471   Inkster 19,219,471   In Health 4,596,254   In Health 4,596,254   |   | 6,474,375                |                   |             |             |             |
| 1,556,368   8,399,822   8,399,822   8,399,822   8,399,822   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,662   3,955,106   1,818,916   23,094,899   oniface   23,094,899   ver Heights   24,352,792   siniboine South   13,694,174   Inkster   19,219,471   oint Douglas   21,219,877   in Health   4,596,254   12,220,899   12,220,899   4,640,661   |   |                          | 6,627,255         | 6,783,745   | 6,943,930   | 7,107,897   |
| 8,399,822     8,395,662     3,955,662     3,955,662     3,955,662     anscona     1,818,916     anscona     1,818,916     anscona     anscona     1,818,916     anscona     1,818,916     anscona     1,818,916     anscona     18,855,106     anscona     19,471     anscona     19,219,471     anscona     19,219,471     anscona  |   | 1,660,586                | 1,699,798         | 1,739,935   | 1,781,020   | 1,823,076   |
| 3,955,662   3,955,662     Santé   1,818,916     anscona   1,818,916     anscona   18,855,106     oniface   23,094,899     ver Heights   24,352,792     siniboine South   13,694,174     Inkster   19,219,471     oint Douglas   21,219,877     in Health   4,596,254     in Health   12,220,899  |   | 8,962,293                | 9,173,921         | 9,390,545   | 9,612,285   | 9,839,260   |
| Santé 1,818,916   anscona 18,855,106   anscona 18,855,106   niface 23,094,899   ver Heights 24,352,792   siniboine South 13,694,174   linkster 19,219,471   oint Douglas 21,219,877   in Health 4,596,254   in Health 12,220,899   4,640,661 4,640,661   |   | 4,220,542                | 4,320,202         | 4,422,215   | 4,526,638   | 4,633,525   |
| anscona 18,855,106   aniface 23,094,899   ver Heights 24,352,792   siniboine South 13,694,174   Inkster 19,219,471   oint Douglas 21,219,877   in Health 4,596,254   12,220,899 4,640,661  |   | 1,940,715                | 1,986,541         | 2,033,449   | 2,081,465   | 2,130,615   |
| 18,855,106   23,094,899   23,094,899   hts 24,352,792   South 13,694,174   19,219,471 19,219,877   glas 21,219,877   12,220,899 12,220,899   12,220,899 4,640,661  |   |                          |                   |             |             |             |
| 23,094,899<br>hts 24,352,792<br>South 13,694,174<br>19,219,471<br>19,219,877<br>21,219,877<br>4,596,254<br>12,220,899<br>12,220,899<br>4,640,661   | 19,437,376 19,895,760   | 20,364,954               | 20,845,213        | 21,336,797  | 21,839,975  | 22,355,018  |
| nts     24,352,792       South     13,694,174       South     13,504,174       19,219,471     19,219,471       glas     21,219,877       4,596,254     12,220,899       12,220,899     4,640,661   | 808,100 24,369,557  | 24,944,254               | 25,532,505        | 26,134,628  | 26,750,950  | 27,381,808  |
| South 13,694,174 19,219,471 19,219,471 19,219,877 19,21,219,877 19,21,219,877 12,220,899 12,220,899 12,220,899 4,640,661 19,220,899 12,54 14,540,561 12,220,899 12,520,500 12,520 120 12,520 1200 12,520 10 | 25,104,838 25,696,876   | 26,302,875               | 26,923,165        | 27,558,083  | 28,207,975  | 28,873,192  |
| 19,219,471<br>glas 21,219,877<br>4,596,254<br>12,220,899<br>4,640,661  | 14,117,068 14,449,985   | 14,790,754               | 15,139,558        | 15,496,588  | 15,862,038  | 16,236,106  |
| glas 21,219,877<br>4,596,254<br>12,220,899<br>4,640,661  | 812,993 20,280,235  | 20,758,496               | 21,248,036        | 21,749,120  | 22,262,021  | 22,787,017  |
| 4,596,254<br>12,220,899<br>4,640,661   | 21,875,175 22,391,048   | 22,919,087               | 23,459,579        | 24,012,817  | 24,579,102  | 25,158,741  |
| 4,596,254   01 12,220,899   4,640,661  |   |                          |                   |             |             |             |
| 12,220,899<br>4,640,661  | 4,601,638 4,616,254   | 4,630,916                | 4,645,624         | 4,660,379   | 4,675,182   | 4,690,031   |
| 4,640,661  | 12,235,215 12,274,076   | 12,313,060               | 12,352,168        | 12,391,401  | 12,430,758  | 12,470,240  |
|  | 4,646,097 4,660,854   | 4,675,657                | 4,690,508         | 4,705,406   | 4,720,351   | 4,735,344   |
| North 7,254,337 7,262  | 7,262,835 7,285,903   | 7,309,044                | 7,332,259         | 7,355,547   | 7,378,909   | 7,402,346   |
| Interlake-Eastern RHA  |   |                          |                   |             |             |             |
| East 4,908,999 4,948   | 4,948,212 5,023,725   | 5,100,390                | 5,178,225         | 5,257,248   | 5,337,476   | 5,418,930   |
| <b>South</b> 4,031,532 4,06:   | 4,063,736 4,125,751   | 4,188,713                | 4,252,635         | 4,317,533   | 4,383,421   | 4,450,314   |
| Mid 3,036,117 3,060  | 3,060,370 3,107,073   | 3,154,489                | 3,202,628         | 3,251,502   | 3,301,122   | 3,351,499   |
| West 3,390,482 3,41  | 3,417,565 3,469,719   | 3,522,669                | 3,576,427         | 3,631,006   | 3,686,417   | 3,742,674   |
| North 59,253 56  | 59,726 60,638   | 61,563                   | 62,503            | 63,456      | 64,425      | 65,408      |
| Northern Health Region*  |   |                          |                   |             |             |             |
| Southeast 2,423,352 2,41   | 2,417,165 2,373,780   | 2,331,173                | 2,289,332         | 2,248,242   | 2,207,889   | 2,168,260   |
| Southwest 1,683,527 1,679  | 1,679,229 1,649,089   | 1,619,490                | 1,590,422         | 1,561,876   | 1,533,842   | 1,506,312   |
| North 188,053 187  | 187,573 184,206   | 180,900                  | 177,653           | 174,464     | 171,333     | 168,258     |
| Churchill & No-zone 21,394 2 <sup>-</sup>  | 21,667 21,936   | 22,208                   | 22,484            | 22,763      | 23,046      | 23,332      |
| Manitoba**   | 437,334 198,676,619   | 201,969,593              | 205,317,147       | 208,720,185 | 212,179,627 | 215,696,408 |

Appendix Table 4.2: Actual and Projected Primary Care Equivalent Services Measure Provided in the Patient's Area of Residence by Health Region and My Health Team, 2018/19-2025/26

| Loolth Dovion              |             |             |             | Equivalent Services Measure | vices measure |             |             |             |
|----------------------------|-------------|-------------|-------------|-----------------------------|---------------|-------------|-------------|-------------|
| nealth region              | Actual      |             |             |                             | Projected     |             |             |             |
|                            | 2018        | 2019        | 2020        | 2021                        | 2022          | 2023        | 2024        | 2025        |
| Southern Health-Santé Sud  |             |             |             |                             |               |             |             |             |
| East                       | 7,782,037   | 7,963,696   | 8,150,854   | 8,342,410                   | 8,538,468     | 8,739,134   | 8,944,515   | 9,154,723   |
| Mid                        | 4,520,168   | 4,625,684   | 4,734,394   | 4,845,659                   | 4,959,538     | 5,076,094   | 5,195,389   | 5,317,488   |
| West                       | 7,668,457   | 7,847,465   | 8,031,891   | 8,220,651                   | 8,413,848     | 8,611,585   | 8,813,969   | 9,021,109   |
| North                      | 5,837,895   | 5,974,171   | 6,114,572   | 6,258,273                   | 6,405,351     | 6,555,886   | 6,709,958   | 6,867,651   |
| Mon Équipe Santé*          | ,           |             | ı           | 1                           | 1             | 1           | 1           |             |
| Winnipeg RHA               |             |             |             |                             |               |             |             |             |
| River East/Transcona       | 20,417,533  | 21,022,132  | 21,539,902  | 22,070,424                  | 22,614,012    | 23,170,989  | 23,741,684  | 24,326,435  |
| St Vital/St Boniface       | 20,251,298  | 20,850,975  | 21,364,529  | 21,890,731                  | 22,429,894    | 22,982,336  | 23,548,385  | 24,128,375  |
| Fort Garry/River Heights   | 20,817,861  | 21,434,315  | 21,962,236  | 22,503,160                  | 23,057,407    | 23,625,304  | 24,207,189  | 24,803,405  |
| St James/Assiniboine South | 14,409,978  | 14,836,683  | 15,202,106  | 15,576,530                  | 15,960,176    | 16,353,271  | 16,756,047  | 17,168,744  |
| Seven Oaks/Inkster         | 16,472,249  | 16,960,022  | 17,377,742  | 17,805,751                  | 18,244,302    | 18,693,654  | 19,154,074  | 19,625,833  |
| Downtown/Point Douglas     | 17,796,977  | 18,323,977  | 18,775,292  | 19,237,722                  | 19,711,542    | 20,197,032  | 20,694,479  | 21,204,178  |
| Prairie Mountain Health    |             |             |             |                             |               |             |             |             |
| South                      | 6,338,814   | 6,362,924   | 6,380,750   | 6,398,625                   | 6,416,551     | 6,434,527   | 6,452,554   | 6,470,631   |
| Brandon                    | 9,321,923   | 9,357,379   | 9,383,594   | 9,409,882                   | 9,436,244     | 9,462,680   | 9,489,190   | 9,515,774   |
| Mid                        | 5,691,540   | 5,713,188   | 5,729,193   | 5,745,244                   | 5,761,339     | 5,777,480   | 5,793,666   | 5,809,897   |
| North                      | 7,359,893   | 7,387,886   | 7,408,584   | 7,429,339                   | 7,450,153     | 7,471,024   | 7,491,955   | 7,512,943   |
| Interlake-Eastern RHA      |             |             |             |                             |               |             |             |             |
| East                       | 5,204,270   | 5,278,660   | 5,378,378   | 5,479,980                   | 5,583,501     | 5,688,978   | 5,796,447   | 5,905,946   |
| South                      | 6,905,717   | 7,004,427   | 7,136,747   | 7,271,565                   | 7,408,931     | 7,548,891   | 7,691,496   | 7,836,794   |
| Mid                        | 3,642,821   | 3,694,892   | 3,764,691   | 3,835,809                   | 3,908,270     | 3,982,101   | 4,057,326   | 4,133,972   |
| West                       | 4,461,036   | 4,524,802   | 4,610,279   | 4,697,371                   | 4,786,108     | 4,876,521   | 4,968,643   | 5,062,504   |
| North                      | 502,445     | 509,627     | 519,254     | 529,063                     | 539,058       | 549,241     | 559,617     | 570,188     |
| Northern Health Region**   |             |             |             |                             |               |             |             |             |
| Southeast                  | 2,725,398   | 2,710,977   | 2,663,077   | 2,616,022                   | 2,569,800     | 2,524,394   | 2,479,790   | 2,435,974   |
| Southwest                  | 1,714,092   | 1,705,022   | 1,674,896   | 1,645,302                   | 1,616,231     | 1,587,674   | 1,559,621   | 1,532,064   |
| North                      | 496,651     | 494,023     | 485,294     | 476,719                     | 468,296       | 460,022     | 451,894     | 443,909     |
| Churchill & No-zone        | 94,590      | 215,998     | 230,231     | 245,401                     | 261,571       | 278,807     | 297,178     | 316,760     |
| Manitoba***                | 192,250,864 | 195,437,334 | 198,676,619 | 201,969,593                 | 205,317,147   | 208,720,185 | 212,179,627 | 215,696,408 |

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Based on projected decline in service needs in Northern Health Region during 2019/20-2025/26. A conservative approach of no change in service needs assumes that the number of providers does not change after 2018/19. Based on the Equivalent Services Measure for providers working in the geographical area of each My Health Team.

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Appendices for: Revisiting Primary Care Provider Projection Models