Supplemental Online Content

Xie F, Yan J, Agarwal G, Ferron R. Economic analysis of mobile integrated health care delivered by emergency medical services paramedic teams. *JAMA Netw Open*. 2021;4(2):e210055. doi:10.1001/jamanetworkopen.2021.0055

eTable 1. Demographic Characteristics of the Emergency Calls Received 2016-2019
eTable 2. Emergency Calls Serviced by MIH and Propensity Score Matched Calls Serviced by Ambulance

This supplemental material has been provided by the authors to give readers additional information about their work.
Table 1. Demographic characteristics of the emergency calls received 2016-2019

|                         | 2018-19 (N=56,652) | 2017-18 (N=55,523) | 2016-17 (N=52,536) | p value |
|-------------------------|---------------------|---------------------|---------------------|---------|
| **Age, years**          |                     |                     |                     | < 0.01  |
| Mean (SD)               | 59.2 (24.9)         | 59.7 (24.8)         | 60.0 (24.8)         |         |
| **Gender**              |                     |                     |                     | 0.04    |
| Female                  | 29,555 (52.2%)      | 29,270 (52.7%)      | 27,644 (52.6%)      |         |
| Male                    | 26,699 (47.1%)      | 25,798 (46.5%)      | 24,497 (46.6%)      |         |
| NULL                    | 398 (0.7%)          | 455 (0.8%)          | 395 (0.8%)          |         |
| **City**                |                     |                     |                     | < 0.01  |
| FORT ERIE               | 3680 (6.5%)         | 3486 (6.3%)         | 3071 (5.8%)         |         |
| GLANBROOK               | 6 (0.0%)            | 4 (0.0%)            | 5 (0.0%)            |         |
| GRIMSDY                 | 2373 (4.2%)         | 2196 (4.0%)         | 2255 (4.3%)         |         |
| HALDIMAND               | 26 (0.0%)           | 21 (0.0%)           | 17 (0.0%)           |         |
| HAMILTON                | 18 (0.0%)           | 31 (0.1%)           | 34 (0.1%)           |         |
| LINCOLN                 | 1916 (3.4%)         | 2070 (3.7%)         | 1966 (3.7%)         |         |
| LONDON                  | 0 (0.0%)            | 8 (0.0%)            | 0 (0.0%)            |         |
| NIAGARA FALLS           | 12871 (22.7%)       | 12654 (22.8%)       | 12208 (23.2%)       |         |
| NIAGARA-O-T-LT          | 2007 (3.5%)         | 2037 (3.7%)         | 1984 (3.8%)         |         |
| PELHAM                  | 1347 (2.4%)         | 1286 (2.3%)         | 1254 (2.3%)         |         |
| PORT COLBORNE           | 2420 (4.3%)         | 2430 (4.4%)         | 2233 (4.5%)         |         |
| ST CATHARINES           | 19973 (35.3%)       | 19614 (35.3%)       | 18327 (34.9%)       |         |
| STONEY CREEK            | 76 (0.1%)           | 76 (0.1%)           | 95 (0.2%)           |         |
| THOROLD                 | 2086 (3.7%)         | 1996 (3.6%)         | 1908 (3.6%)         |         |
| WAINFLEET               | 507 (0.9%)          | 484 (0.9%)          | 493 (0.9%)          |         |
| WELLAND                 | 6485 (11.4%)        | 6284 (11.3%)        | 5869 (11.3%)        |         |
| WEST LINCOLN            | 861 (1.5%)          | 846 (1.5%)          | 822 (1.6%)          |         |
| **Month**               |                     |                     |                     | < 0.01  |
| Jan                     | 4,773 (8.4%)        | 4,838 (8.7%)        | 4,520 (8.6%)        |         |
| Feb                     | 4,238 (7.5%)        | 4,336 (7.8%)        | 3,869 (7.4%)        |         |
| Mar                     | 4,838 (8.5%)        | 4,765 (8.6%)        | 4,340 (8.3%)        |         |
| Apr                     | 4,675 (8.3%)        | 4,471 (8.1%)        | 4,178 (8.0%)        |         |
| May                     | 4,754 (8.4%)        | 4,825 (8.7%)        | 4,378 (8.3%)        |         |
| Jun                     | 4,743 (8.4%)        | 4,590 (8.3%)        | 4,595 (8.7%)        |         |
| Jul                     | 5,036 (8.9%)        | 4,860 (8.8%)        | 4,642 (8.8%)        |         |
| Aug                     | 4,947 (8.7%)        | 4,622 (8.3%)        | 4,779 (9.1%)        |         |
| Sep                     | 4,669 (8.2%)        | 4,624 (8.3%)        | 4,302 (8.2%)        |         |
| Oct                     | 4,609 (8.1%)        | 4,660 (8.4%)        | 4,314 (8.2%)        |         |
| Nov                     | 4,586 (8.1%)        | 4,368 (7.9%)        | 3,993 (7.6%)        |         |
| Dec                     | 4,784 (8.4%)        | 4,564 (8.2%)        | 4,626 (8.8%)        |         |
| **Priority Description**|                     |                     |                     | < 0.01  |
| 1 (MOH 4)               | 2,001 (3.5%)        | 2,178 (3.9%)        | 1,952 (3.7%)        |         |
| 2 (MOH 4)               | 22,430 (39.6%)      | 22,524 (40.6%)      | 22,339 (42.5%)      |         |
| 2T                      | 252 (0.4%)          | 0 (0.0%)            | 0 (0.0%)            |         |
| 3 (MOH 3)               | 17,743 (31.3%)      | 16,510 (29.7%)      | 14,958 (28.5%)      |         |
| 3T EMERG TRANSFER       | 1,537 (2.7%)        | 1,701 (3.1%)        | 1,528 (2.9%)        |         |
| 4 (MOH 2)               | 1,187 (2.1%)        | 843 (1.5%)          | 962 (1.8%)          |         |
| 4T SCHEDULED TRANSFER   | 1,288 (2.3%)        | 1,272 (2.3%)        | 861 (1.6%)          |         |
| 5 (MOH 1)               | 10,112 (17.8%)      | 10,398 (18.7%)      | 9,851 (18.8%)       |         |
| 5T NON-URGENT TRANSFER  | 94 (0.2%)           | 79 (0.1%)           | 74 (0.1%)           |         |

© 2021 Xie F et al. JAMA Network Open.
| 8 (MOH 8) | 8 (0.0%) | 18 (0.0%) | 11 (0.0%) |
### eTable 2: Emergency calls serviced by MIH and propensity score matched calls serviced by ambulance

|                  | MIH 2018-19 (N=1740) | MIH 2018-19 (N=1740) | MIH 2017-18 (N=1740) | MIH 2016-17 (N=1739) | p value |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------|
| **Age**          | 0.82                  | 0.82                  | 0.82                  | 0.82                  |         |
| Mean (SD)        | 57.9 (24.1)           | 57.3 (25.1)           | 57.3 (25.6)           | 58.0 (25.2)           |         |
| **Sex**          | 0.75                  | 0.75                  | 0.75                  | 0.75                  |         |
| Female           | 896 (51.5%)           | 870 (50.0%)           | 892 (51.3%)           | 918 (52.8%)           |         |
| Male             | 798 (45.9%)           | 825 (47.4%)           | 808 (46.4%)           | 775 (44.6%)           |         |
| Not recorded     | 46 (2.6%)             | 45 (2.6%)             | 40 (2.3%)             | 46 (2.6%)             |         |
| **City**         | 0.78                  | 0.78                  | 0.78                  | 0.78                  |         |
| Fort Erie        | 47 (2.7%)             | 43 (2.5%)             | 49 (2.8%)             | 48 (2.8%)             |         |
| Grimsby          | 33 (1.9%)             | 22 (1.3%)             | 45 (2.6%)             | 33 (1.9%)             |         |
| Haldimand        | 0 (0.0%)              | 0 (0.0%)              | 1 (0.1%)              | 0 (0.0%)              |         |
| Lincoln          | 33 (1.9%)             | 28 (1.6%)             | 25 (1.4%)             | 39 (2.2%)             |         |
| Niagara Falls    | 366 (21.0%)           | 380 (21.8%)           | 393 (22.6%)           | 381 (21.9%)           |         |
| Niagara-On-The-Lake | 55 (3.2%)       | 64 (3.7%)             | 60 (3.4%)             | 63 (3.6%)             |         |
| Pelham           | 26 (1.5%)             | 23 (1.3%)             | 21 (1.2%)             | 25 (1.4%)             |         |
| Port Colborne    | 14 (0.8%)             | 13 (0.7%)             | 20 (1.1%)             | 11 (0.6%)             |         |
| St Catharines    | 908 (52.2%)           | 884 (50.8%)           | 872 (50.1%)           | 880 (50.6%)           |         |
| Thorold          | 108 (6.2%)            | 114 (6.6%)            | 102 (5.9%)            | 119 (6.8%)            |         |
| Wainfleet        | 0 (0.0%)              | 1 (0.1%)              | 0 (0.0%)              | 1 (0.1%)              |         |
| Welland          | 144 (8.3%)            | 160 (9.2%)            | 147 (8.4%)            | 136 (7.8%)            |         |
| West Lincoln     | 6 (0.3%)              | 8 (0.5%)              | 5 (0.3%)              | 3 (0.2%)              |         |
| **Month**        | 0.77                  | 0.77                  | 0.77                  | 0.77                  |         |
| Jan              | 144 (8.3%)            | 135 (7.8%)            | 129 (7.4%)            | 132 (7.6%)            |         |
| Feb              | 155 (8.9%)            | 155 (8.9%)            | 127 (7.3%)            | 172 (9.9%)            |         |
| Mar              | 135 (7.8%)            | 159 (9.1%)            | 149 (8.6%)            | 130 (7.5%)            |         |
| Apr              | 193 (11.1%)           | 189 (10.9%)           | 189 (10.9%)           | 195 (11.2%)           |         |
| May              | 215 (12.4%)           | 200 (11.5%)           | 190 (10.9%)           | 197 (11.3%)           |         |
| Jun              | 220 (12.6%)           | 215 (12.4%)           | 239 (13.7%)           | 216 (12.4%)           |         |
| Jul              | 116 (6.7%)            | 129 (7.4%)            | 124 (7.7%)            | 126 (7.2%)            |         |
| Aug              | 114 (6.6%)            | 96 (5.5%)             | 115 (6.6%)            | 119 (6.8%)            |         |
| Sep              | 76 (4.4%)             | 70 (4.0%)             | 81 (4.7%)             | 82 (4.7%)             |         |
| Oct              | 100 (5.7%)            | 114 (6.6%)            | 104 (6.0%)            | 101 (5.8%)            |         |
| Nov              | 139 (8.0%)            | 123 (7.1%)            | 148 (8.5%)            | 140 (8.1%)            |         |
| Dec              | 133 (7.6%)            | 155 (8.9%)            | 135 (7.8%)            | 129 (7.4%)            |         |
| **Priority Description** | 0.14              | 0.14              | 0.14              | 0.14              |         |
| 1 (MOH 4)        | 50 (2.9%)             | 47 (2.7%)             | 37 (2.1%)             | 57 (3.3%)             |         |
| 2 (MOH 4)        | 91 (5.2%)             | 86 (4.9%)             | 88 (5.1%)             | 93 (5.3%)             |         |
| 3 (MOH 3)        | 775 (44.5%)           | 813 (46.7%)           | 785 (45.1%)           | 781 (44.9%)           |         |
| 4 (MOH 2)        | 105 (6.0%)            | 102 (6.0%)            | 109 (6.2%)            | 99 (5.7%)             |         |
| 5 (MOH 1)        | 718 (41.3%)           | 690 (39.7%)           | 721 (41.4%)           | 708 (40.7%)           |         |
| 8 (MOH 8)        | 1 (0.1%)              | 0 (0.0%)              | 0 (0.0%)              | 1 (0.1%)              |         |

© 2021 Xie F et al. JAMA Network Open.