

Appendix 1 (as supplied by the authors): Supplemental tables

Supplemental Table S1. Population demographics of Indigenous air access only communities in Northern Ontario by year, sex, and age group

	2012	2013	2014	2015	2016	Mean
Total	21488	21957	22414	22829	23257	22389
Male						
0-4	*1023(9.3%)	1015(9.1%)	995(8.7%)	931(8%)	918(7.7%)	976.4
5-9	1276(11.6%)	1302(11.6%)	1345(11.8%)	1394(12%)	1399(11.8%)	1343.2
10-14	1227(11.2%)	1246(11.1%)	1274(11.1%)	1299(11.2%)	1335(11.3%)	1276.2
15-19	1207(11%)	1203(10.7%)	1200(10.5%)	1199(10.3%)	1198(10.1%)	1201.4
20-24	1124(10.2%)	1145(10.2%)	1157(10.1%)	1156(9.9%)	1187(10%)	1153.8
25-29	916(8.3%)	972(8.7%)	997(8.7%)	1052(9%)	1106(9.3%)	1008.6
30-34	766(7%)	778(6.9%)	823(7.2%)	848(7.3%)	871(7.3%)	817.2
35-39	717(6.5%)	723(6.4%)	718(6.3%)	718(6.2%)	731(6.2%)	721.4
40-44	601(5.5%)	612(5.5%)	636(5.6%)	660(5.7%)	666(5.6%)	635
45-49	603(5.5%)	617(5.5%)	621(5.4%)	615(5.3%)	592(5%)	609.6
50-54	437(4%)	469(4.2%)	493(4.3%)	526(4.5%)	557(4.7%)	496.4
55-59	318(2.9%)	342(3.1%)	355(3.1%)	391(3.4%)	405(3.4%)	362.2
60-64	233(2.1%)	237(2.1%)	249(2.2%)	261(2.2%)	287(2.4%)	253.4
65+	536(4.9%)	552(4.9%)	571(5%)	592(5.1%)	614(5.2%)	573
Total	10984(100%)	11213(100%)	11434(100%)	11642(100%)	11866(100%)	11427.8
Female						
0-4	944(9%)	926(8.6%)	921(8.4%)	895(8%)	859(7.5%)	909.0
5-9	1240(11.8%)	1272(11.8%)	1309(11.9%)	1325(11.8%)	1351(11.9%)	1299.4
10-14	1138(10.8%)	1178(11%)	1205(11%)	1208(10.8%)	1220(10.7%)	1189.8
15-19	1120(10.7%)	1099(10.2%)	1093(10%)	1123(10%)	1150(10.1%)	1117.0
20-24	1075(10.2%)	1125(10.5%)	1134(10.3%)	1151(10.3%)	1129(9.9%)	1122.8
25-29	861(8.2%)	879(8.2%)	916(8.3%)	954(8.5%)	1032(9.1%)	928.4
30-34	801(7.6%)	795(7.4%)	814(7.4%)	826(7.4%)	823(7.2%)	811.8
35-39	655(6.2%)	695(6.5%)	704(6.4%)	729(6.5%)	765(6.7%)	709.6
40-44	638(6.1%)	628(5.8%)	636(5.8%)	631(5.6%)	646(5.7%)	635.8
45-49	558(5.3%)	582(5.4%)	589(5.4%)	609(5.4%)	602(5.3%)	588.0
50-54	412(3.9%)	445(4.1%)	481(4.4%)	504(4.5%)	523(4.6%)	473.0
55-59	269(2.6%)	305(2.8%)	336(3.1%)	362(3.2%)	384(3.4%)	331.2
60-64	218(2.1%)	218(2%)	232(2.1%)	234(2.1%)	251(2.2%)	230.6
65+	575(5.5%)	597(5.6%)	610(5.6%)	636(5.7%)	656(5.8%)	614.8
Total	10504(100%)	10744(100%)	10980(100%)	11187(100%)	11391(100%)	10961.2

\*Number of people on reserve (Percentage in a given year)

**Supplemental Table S2. Demographics of medical transports by year, sex, and age group**

	2012	2013	2014	2015	2016	Mean
Total	2051	2141	2169	2032	2145	
<b>Male</b>						
0-4	*176(19.8%)	140(14.8%)	190(20%)	136(15.1%)	182(18.9%)	164.8
5-9	38(4.3%)	36(3.8%)	32(3.4%)	43(4.8%)	30(3.1%)	35.8
10-14	47(5.3%)	39(4.1%)	43(4.5%)	36(4%)	58(6%)	44.6
15-19	85(9.6%)	51(5.4%)	52(5.5%)	46(5.1%)	58(6%)	58.4
20-24	73(8.2%)	87(9.2%)	67(7.1%)	77(8.5%)	66(6.9%)	74.0
25-29	64(7.2%)	74(7.8%)	67(7.1%)	53(5.9%)	62(6.4%)	64.0
30-34	54(6.1%)	52(5.5%)	51(5.4%)	46(5.1%)	50(5.2%)	50.6
35-39	47(5.3%)	63(6.7%)	38(4%)	55(6.1%)	51(5.3%)	50.8
40-44	56(6.3%)	57(6%)	52(5.5%)	39(4.3%)	44(4.6%)	49.6
45-49	45(5.1%)	59(6.2%)	76(8%)	72(8%)	57(5.9%)	61.8
50-54	37(4.2%)	44(4.7%)	50(5.3%)	66(7.3%)	66(6.9%)	52.6
55-59	29(3.3%)	38(4%)	40(4.2%)	56(6.2%)	61(6.3%)	44.8
60-64	32(3.6%)	36(3.8%)	42(4.4%)	26(2.9%)	46(4.8%)	36.4
65+	104(11.7%)	169(17.9%)	147(15.5%)	152(16.8%)	132(13.7%)	140.8
Unknown	2(0.2%)	1(0.1%)	2(0.2%)	0(0%)	0(0%)	1.0
Total	889	946	949	903	963	
<b>Female</b>						
0-4	101(8.8%)	136(11.5%)	127(10.5%)	104(9.3%)	129(11%)	119.4
5-9	26(2.3%)	34(2.9%)	32(2.6%)	21(1.9%)	21(1.8%)	26.8
10-14	54(4.7%)	43(3.6%)	69(5.7%)	90(8%)	107(9.1%)	72.6
15-19	168(14.7%)	118(10%)	93(7.7%)	110(9.8%)	143(12.2%)	126.4
20-24	131(11.5%)	155(13.1%)	154(12.7%)	136(12.2%)	128(10.9%)	140.8
25-29	111(9.7%)	104(8.8%)	92(7.6%)	104(9.3%)	101(8.6%)	102.4
30-34	96(8.4%)	108(9.1%)	96(7.9%)	74(6.6%)	98(8.4%)	94.4
35-39	48(4.2%)	59(5%)	60(5%)	58(5.2%)	60(5.1%)	57
40-44	48(4.2%)	55(4.6%)	57(4.7%)	52(4.6%)	45(3.8%)	51.4
45-49	56(4.9%)	56(4.7%)	59(4.9%)	66(5.9%)	63(5.4%)	60
50-54	58(5.1%)	56(4.7%)	80(6.6%)	59(5.3%)	49(4.2%)	60.4
55-59	45(3.9%)	55(4.6%)	53(4.4%)	41(3.7%)	49(4.2%)	48.6
60-64	61(5.3%)	45(3.8%)	52(4.3%)	26(2.3%)	32(2.7%)	43.2
65+	136(11.9%)	154(13%)	182(15.1%)	176(15.7%)	147(12.5%)	159
Unknown	5(0.4%)	6(0.5%)	2(0.2%)	2(0.2%)	0(0%)	3
Total	1144	1184	1208	1119	1172	
<b>Unknown</b>						
Sex	18	11	12	10	10	

\*Number of transports(Percentage in a given year)

**Supplemental Table S3. Number of transports over the study period for selected groups of patients**

	Total transports over study period
Transfer of children 28 days to 1 year	643
Transfer of children under the age of 28 days	133
Transfer of adults 75-84	642
Transfer of adults 85+	162

Supplemental Table S4. Incidence of medical transport by year, sex, and age group

	2012	2013	2014	2015	2016	Mean
Male						
0-4	17.2	13.8	19.1	14.6	19.8	16.9
05-09	3.0	2.8	2.4	3.1	2.1	2.7
10-14	3.8	3.1	3.4	2.8	4.3	3.5
15-19	7.0	4.2	4.3	3.8	4.8	4.9
20-24	6.5	7.6	5.8	6.7	5.6	6.4
25-29	7.0	7.6	6.7	5.0	5.6	6.4
30-34	7.0	6.7	6.2	5.4	5.7	6.2
35-39	6.6	8.7	5.3	7.7	7.0	7.0
40-44	9.3	9.3	8.2	5.9	6.6	7.9
45-49	7.5	9.6	12.2	11.7	9.6	10.1
50-54	8.5	9.4	10.1	12.5	11.8	10.5
55-59	9.1	11.1	11.3	14.3	15.1	12.2
60-64	13.7	15.2	16.9	10.0	16.0	14.4
65+	19.4	30.6	25.7	25.7	21.5	24.6
Female						
0-4	10.7	14.7	13.8	11.6	15.0	13.2
05-09	2.1	2.7	2.4	1.6	1.6	2.1
10-14	4.7	3.7	5.7	7.5	8.8	6.1
15-19	15.0	10.7	8.5	9.8	12.4	11.3
20-24	12.2	13.8	13.6	11.8	11.3	12.5
25-29	12.9	11.8	10.0	10.9	9.8	11.1
30-34	12.0	13.6	11.8	9.0	11.9	11.6
35-39	7.3	8.5	8.5	8.0	7.8	8.0
40-44	7.5	8.8	9.0	8.2	7.0	8.1
45-49	10.0	9.6	10.0	10.8	10.5	10.2
50-54	14.1	12.6	16.6	11.7	9.4	12.9
55-59	16.7	18.0	15.8	11.3	12.8	14.9
60-64	28.0	20.6	22.4	11.1	12.7	19.0
65+	23.7	25.8	29.8	27.7	22.4	25.9

**Supplemental Table S5. Transports by accepting facility with greater than 50 transports**

Community	2012	2013	2014	2015	2016	Mean
Kingston - Kingston General Hospital	38(1.9%)	57(2.7%)	33(1.5%)	33(1.6%)	50(2.3%)	42.2
Moose Factory - Weeneebayko General Hospital	359(17.5%)	281(13.1%)	344(15.9%)	355(17.5%)	321(15%)	332
Out of Province - Manitoba	81(3.9%)	41(1.9%)	57(2.6%)	55(2.7%)	56(2.6%)	58
Sioux Lookout - Meno Ya Win Health Centre	1117(54.5%)	1291(60.3%)	1176(54.2%)	1024(50.4%)	1120(52.2%)	1145.6
Thunder Bay - Thunder Bay Regional Health Sciences Centre	271(13.2%)	239(11.2%)	272(12.5%)	288(14.2%)	291(13.6%)	272.2
Timmins - Timmins and District Hospital	35(1.7%)	78(3.6%)	67(3.1%)	66(3.2%)	68(3.2%)	62.8
Winnipeg - Children's Hospital	54(2.6%)	43(2%)	91(4.2%)	87(4.3%)	117(5.5%)	78.4
Winnipeg - Health Sciences Centre	38(1.9%)	26(1.2%)	49(2.3%)	58(2.9%)	44(2.1%)	43
Winnipeg - St. Boniface Hospital	9(0.4%)	5(0.2%)	12(0.6%)	18(0.9%)	17(0.8%)	12.2
Total	2002	2061	2101	1984	2084	

\*Number of transports(Percentage in a given year)