

Appendix 1 (as supplied by the authors)

Table S1: Physician Categorization and Characteristics for 2014		
	PT	FT
GP Counts & Characteristics		
Count	1076	2106
Gender – M (%)	466 (43.3)	1429 (67.9)
Years Since Graduation (sd)	20.49 (12.9)	22.40 (11.5)
International Medical Graduate (%)	185 (17.2)	779 (37.1)
Service Days		
Service Days with 10 patient min (sd)	79.23 (41.1)	200.45 (38.7)
Service Days with 20 patient min (sd)	43.62 (38.0)	155.82 (62.6)
Service Days with any patients (sd)	117.57 (55.5)	221.91 (41.5)
Average Service Days per week with 10 patient min	1.7	4.4
Average Service Days per week with any patients	2.6	4.8
Days <10 Patients (sd)	38.3 (47.6)	21.5 (23.0)
Weekend Days with 10+ (sd)	12.8 (13.8)	20.9 (19.7)
Weekend Days with 20+ (sd)	10.0 (12.9)	16.6 (18.4)
Annual Gross Revenue (Median and Interquartile Range)		
<i>Annual Gross Revenue (Median and Interquartile Range)</i>	\$142729 (84956, 212661)	\$364815 (271859, 486201)
Panel Characteristics and Patient Volume		
Panel Size (sd)	362.5 (282.4)	1234.6 (680.8)
Percentage of Claims from Panel (sd)	45.5 (24.5)	68.6 (21.5)
Average Patient Volume (sd)	18.8 (10.6)	28.7 (11.8)
GP Practice Location By Zone		
<i>Zone 1 (%)</i>	53 (4.9)	172 (8.2)
<i>Zone 2 (%)</i>	476 (44.2)	746 (35.4)
<i>Zone 3 (%)</i>	98 (9.1)	275 (13.1)
<i>Zone 4 (%)</i>	326 (30.3)	714 (33.9)
<i>Zone 5 (%)</i>	99 (9.2)	191 (9.1)
<i>Unknown Zone</i>	24 (2.2)	8 (0.4)
GP Practice Location By Urban-Rural Continuum		
URBAN (%)	92 (8.6)	247 (11.7)
METRO (%)	660 (61.3)	1106 (52.5)
MODERATE METRO INFLUENCE (%)	85 (7.9)	284 (13.5)
MODERATE URBAN INFLUENCE (%)	5 (0.5)	22 (1.0)
RURAL (%)	146 (13.6)	314 (14.9)
RURAL CENTRE AREA (%)	38 (3.5)	87 (4.1)
RURAL REMOTE	25 (2.3)	38 (1.8)
Unknown	25 (2.3)	8 (0.4)

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Table S2: Physician Categorization and Characteristics for 2013		
	PT	FT
GP Counts & Characteristics		
Count	1036	1985
Gender – M (%)	450 (43.4)	1352 (68.1)
Years Since Graduation (sd)	20.2 (12.4)	22.4 (11.1)
International Medical Graduate (%)	180 (17.4)	751 (37.9)
Service Days		
Service Days with 10 patient min (sd)	77.69 (41.4)	201.41 (38.3)
Service Days with 20 patient min (sd)	40.96 (37.0)	154.85 (63.8)
Service Days with any patients (sd)	118.40 (58.2)	224.65 (41.1)
Average Service Days per week with 10 patient min	1.7	4.4
Average Service Days per week with any patients	2.6	4.9
Days <10 Patients (sd)	40.7 (49.7)	23.25 (23.3)
Weekend Days with 10+ (sd)	12.1 (13.5)	20.44 (19.8)
Weekend Days with 20+ (sd)	9.2 (12.2)	16.07 (18.5)
Annual Gross Revenue (Median and Interquartile Range)		
<i>Annual Gross Revenue (Median and Interquartile Range)</i>	\$140996 (80205, 212944)	\$361149 (274084, 475085)
Panel Characteristics and Patient Volume		
Panel Size (sd)	362.7 (2721.0)	1276.9 (694.6)
Percentage of Claims from Panel (sd)	45.9 (24.6)	69.13 (21.1)
Average Patient Volume (sd)	18.4 (10.4)	28.28 (11.6)
GP Practice Location By Zone		
<i>Zone 1 (%)</i>	55 (5.3)	167 (8.4)
<i>Zone 2 (%)</i>	445 (43.0)	680 (34.3)
<i>Zone 3 (%)</i>	94 (9.1)	262 (13.2)
<i>Zone 4 (%)</i>	319 (30.8)	677 (34.1)
<i>Zone 5 (%)</i>	91 (8.8)	192 (9.7)
<i>Unknown Zone</i>	32 (3.1)	7 (0.4)
GP Practice Location By Urban-Rural Continuum		
URBAN (%)	86 (8.3)	240 (12.1)
METRO (%)	614 (59.3)	1039 (52.3)
MODERATE METRO INFLUENCE (%)	87 (8.4)	255 (12.8)
MODERATE URBAN INFLUENCE (%)	4 (0.4)	25 (1.3)
RURAL (%)	151 (14.6)	293 (14.8)
RURAL CENTRE AREA (%)	41 (4.0)	87 (4.4)
RURAL REMOTE	21 (2.0)	39 (2.0)
Unknown	32 (3.1)	7 (0.4)

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Table S3: Physician Categorization and Characteristics for 2012		
	PT	FT
GP Counts & Characteristics		
Count	965	1935
Gender – M (%)	417 (43.2)	1344 (69.5)
Years Since Graduation (sd)	19.7 (11.9)	22.3 (10.9)
International Medical Graduate (%)	179 (18.6)	724 (37.5)
Service Days		
Service Days with 10 patient min (sd)	77.6 (41.7)	200.9 (36.8)
Service Days with 20 patient min (sd)	42.0 (37.3)	156.0 (62.0)
Service Days with any patients (sd)	118.1 (56.8)	224.9 (40.5)
Average Service Days per week with 10 patient min	1.69	4.4
Average Service Days per week with any patients	2.57	4.9
Days <10 Patients (sd)	40.5 (47.8)	24.0 (23.4)
Weekend Days with 10+ (sd)	12.6 (13.6)	20.2 (19.0)
Weekend Days with 20+ (sd)	9.9 (12.6)	15.8 (17.8)
Annual Gross Revenue (Median and Interquartile Range)		
<i>Annual Gross Revenue (Median and Interquartile Range)</i>	\$139752 (80689, 211515)	\$362759 (278583, 470629)
Panel Characteristics and Patient Volume		
Panel Size (sd)	368.5 (277.2)	1287.5 (681.5)
Percentage of Claims from Panel (sd)	45.3 (24.5)	68.9 (21.2)
Average Patient Volume (sd)	18.7 (10.7)	28.6 (11.6)
GP Practice Location By Zone		
<i>Zone 1 (%)</i>	55 (5.7)	157 (8.1)
<i>Zone 2 (%)</i>	408 (42.3)	667 (34.5)
<i>Zone 3 (%)</i>	83 (8.6)	255 (13.2)
<i>Zone 4 (%)</i>	301 (31.2)	654 (33.8)
<i>Zone 5 (%)</i>	92 (9.5)	195 (10.1)
<i>Unknown Zone</i>	26 (2.7)	7 (0.4)
GP Practice Location By Urban-Rural Continuum		
<i>URBAN (%)</i>	84 (8.7)	232 (12.0)
<i>METRO (%)</i>	577 (59.8)	990 (51.2)
<i>MODERATE METRO INFLUENCE (%)</i>	84 (8.7)	260 (13.4)
<i>MODERATE URBAN INFLUENCE (%)</i>	5 (0.5)	22 (1.1)
<i>RURAL (%)</i>	131 (13.6)	299 (15.5)
<i>RURAL CENTRE AREA (%)</i>	35 (3.6)	85 (4.4)
<i>RURAL REMOTE</i>	23 (2.4)	40 (2.1)
<i>Unknown</i>	26 (2.7)	7 (0.4)

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Table S4: Physician Categorization and Characteristics for 2011		
	PT	FT
GP Counts & Characteristics		
Count	868	1895
Gender – M (%)	379 (43.7)	1299 (68.5)
Years Since Graduation (sd)	19.2 (11.6)	21.9 (10.7)
International Medical Graduate (%)	171 (19.7)	707 (37.4)
Service Days		
Service Days with 10 patient min (sd)	77.1 (41.7)	202.0 (36.8)
Service Days with 20 patient min (sd)	41.5 (36.7)	157.2 (62.3)
Service Days with any patients (sd)	117.4 (57.8)	226.5 (40.9)
Average Service Days per week with 10 patient min	1.67	4.39
Average Service Days per week with any patients	2.55	4.92
Days <10 Patients (sd)	40.4 (48.0)	24.5 (24.0)
Weekend Days with 10+ (sd)	12.3 (13.5)	19.9 (18.8)
Weekend Days with 20+ (sd)	9.1 (12.2)	15.5 (17.5)
Annual Gross Revenue (Median and Interquartile Range)		
<i>Annual Gross Revenue (Median and Interquartile Range)</i>	\$139589 (77699, 207823)	\$358810 (271079, 469551)
Panel Characteristics and Patient Volume		
Panel Size (sd)	365.3 (281.7)	1289.93 (678.7)
Percentage of Claims from Panel (sd)	45.0 (24.6)	68.85 (21.0)
Average Patient Volume (sd)	18.8 (10.8)	28.69 (11.8)
GP Practice Location By Zone		
<i>Zone 1 (%)</i>	46 (5.3)	152 (8.0)
<i>Zone 2 (%)</i>	368 (42.4)	650 (34.3)
<i>Zone 3 (%)</i>	80 (9.2)	253 (13.4)
<i>Zone 4 (%)</i>	255 (29.4)	629 (33.2)
<i>Zone 5 (%)</i>	84 (9.7)	204 (10.8)
<i>Unknown Zone</i>	35 (4.0)	7 (0.4)
GP Practice Location By Urban-Rural Continuum		
<i>URBAN (%)</i>	83 (9.6)	226 (11.9)
<i>METRO (%)</i>	511 (58.9)	946 (49.9)
<i>MODERATE METRO INFLUENCE (%)</i>	69 (7.9)	255 (13.5)
<i>MODERATE URBAN INFLUENCE (%)</i>	3 (0.3)	22 (1.2)
<i>RURAL (%)</i>	118 (13.6)	312 (16.5)
<i>RURAL CENTRE AREA (%)</i>	28 (3.2)	84 (4.4)
<i>RURAL REMOTE</i>	21 (2.4)	43 (2.3)
<i>Unknown</i>	35 (4.0)	7 (0.4)

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Table S5: Descriptives of Very Low Volume Physicians Included in Analysis (2015 Fiscal Year)							
	Averaged < 5 patients per day	Averaged < 10 patients per day	Had Less than 5 service days with 10+ patients	Had Less than 10 service days with 10+ patients	Had Less than 15 service days with 10+ patients	Had Less than 20 service days with 10+ patients	Had Less than 30 service days with 10+ patients
GP Count (%)	28	199	48	83	107	136	201
Gender – M (%)	14 (50.0)	90 (45.2)	25 (52.1)	43 (51.8)	56 (52.3)	64 (47.1)	93 (46.3)
Years Since Graduation (sd)	28.7 (9.5)	26.2 (12.9)	25.2 (14.0)	23.2 (13.7)	22.6 (13.9)	20.9 (13.8)	20.9 (13.6)
Service Days per year with 10 patient min (sd)	5.4 (7.6)	37.41 (33.33)	2.23 (1.2)	4.0 (2.5)	5.8 (4.0)	8.3(6.0)	13.3 (10.0)
Service Days per year with 20 patient min (sd)	0.2 (0.7)	3.4 (6.9)	0.71 (1.2)	1.36 (2.2)	2.16 (3.1)	2.9 (4.2)	4.3 (6.2)
Service Days per year with any patients (sd)	148.0 (71.9)	143.4 (71.4)	76.7 (77.8)	63.8 (73.1)	60.2 (69.7)	58.4 (65.1)	67.4 (70.3)
Annual Gross Revenue (Median and Interquartile Range)	\$106,952 (25210, 174974)	\$104907 (49737, 161926)	\$18229 (5443, 106054)	\$16190 (7109, 49737)	\$20216 (9738, 49737)	\$23232 (12904, 50002)	\$35400 (17140, 75098)