

**Table S1** Sample characteristics by behavioral health integration areas, 2019

Variable	Acute inpatient	Primary care	Emergency room	Extended care	Difference b/t areas
Organizational controls					
Ownership					$\chi^2=44.4, P<0.001$
Private, not-for-profit, n (%)	1 (0.26)	40 (10.6)	247 (65.2)	91 (24.0)	
Public, not-for-profit, n (%)	22 (1.4)	85 (5.3)	1,089 (67.3)	423 (26.1)	
For-profit, n (%)	6 (3.4)	2 (1.1)	143 (80.8)	26 (24.8)	
System affiliation					$\chi^2=20.6, P<0.001$
Member of system, n (%)	22 (1.4)	73 (4.5)	1,120 (69.6)	394 (24.5)	
Independent, n (%)	7 (1.2)	54 (9.5)	359 (63.4)	146 (25.8)	
Teaching status					$\chi^2=19.6, P<0.001$
Teaching hospital, n (%)	14 (1.2)	51 (4.2)	819 (67.5)	330 (27.2)	
Non-teaching hospital, n (%)	15 (1.6)	76 (7.9)	660 (68.7)	210 (21.9)	
Contract management					$\chi^2=2.7, P=0.10$
Contract managed, n (%)	0 (0.0)	9 (5.0)	117 (64.6)	55 (30.4)	
Not contract managed, n (%)	29 (1.5)	118 (5.9)	1,362 (68.3)	485 (24.3)	
Clinically Integrated Network					$\chi^2=18.0, P<0.001$
Clinically Integrated Network, n (%)	15 (1.2)	54 (4.5)	803 (66.6)	333 (27.6)	
Not a Clinically Integrated Network, n (%)	14 (1.4)	73 (7.5)	676 (69.7)	207 (21.3)	
# of beds					$\chi^2=69.4, P<0.001$
6–99, n (%)	10 (1.2)	82 (9.7)	570 (67.6)	181 (21.5)	
100–299, n (%)	13 (1.7)	33 (4.3)	546 (70.4)	184 (23.7)	
300–499, n (%)	6 (1.9)	8 (2.5)	220 (69.6)	82 (26.0)	
500 or more, n (%)	0 (0.0)	4 (1.7)	143 (59.6)	93 (38.8)	
Sole community provider status					$\chi^2=1.6, P=0.67$
Sole community Provider, n (%)	2 (1.3)	7 (4.7)	108 (72.5)	32 (21.5)	
Not sole community provider, n (%)	27 (1.3)	120 (5.9)	1,371 (67.7)	508 (25.1)	
% of revenue from capitation, mean (SD)	0 (0.0)	2.5 (9.4)	1.8 (8.5)	3.3 (14.8)	F=2.8, P=0.04
Community controls					
Geographic location					$\chi^2=28.9, P<0.001$
Rural hospital, n (%)	2 (0.7)	27 (9.9)	176 (64.5)	68 (24.9)	
Suburban, n (%)	9 (2.1)	39 (9.2)	286 (67.1)	92 (21.6)	
Urban hospital, n (%)	18 (1.2)	61 (4.1)	1,017 (68.9)	380 (25.8)	
Medicare managed care penetration, mean (SD)	34.9 (16.4)	28.1 (14.3)	30.6 (13.6)	31.5 (14.9)	F=2.9, P=0.04
Percent minority, mean (SD)	18.4 (14.4)	14.4 (14.3)	19.7 (15.2)	18.9 (14.6)	F=4.9, P=0.002
Percent over 65, mean (SD)	17.8 (3.7)	18.6 (4.5)	17.1 (4.1)	17.2 (4.0)	F=5.8, P<0.001
Percent below federal poverty level, mean (SD)	14.8 (5.5)	13.1 (4.8)	13.5 (5.0)	13.0 (4.4)	F=2.7, P=0.05
Herfindahl-Hirschman index, mean (SD)	0.55 (0.34)	0.70 (0.31)	0.58 (0.35)	0.58 (0.35)	F=4.6, P=0.003
Mental health professional shortage area					$\chi^2=12.5, P=0.051$
County not MH HPSA, n (%)	3 (2.1)	9 (6.2)	101 (69.7)	32 (22.1)	
Partial county is MH HPSA, n (%)	12 (1.6)	56 (7.6)	503 (68.5)	163 (22.2)	
Whole county is MH HPSA, n (%)	14 (1.1)	62 (4.8)	875 (67.5)	345 (26.6)	
Health status of community	0.01 (0.43)	-0.13 (0.45)	-0.05 (0.44)	-0.09 (0.42)	F=2.5, P=0.06
N	4,460			4,364	

Statistically significant difference at  $P<0.05$  between areas of integration. MH HPSA, mental health professional shortage area.

**Table S2** Sample characteristics by delivery system reform program, 2019

Variable	None	ACO only	Medical home only	Both ACO & medical home	Difference b/t programs <sup>1</sup>
<b>Organizational controls</b>					
Ownership					$\chi^2=627.0$ , $P<0.001$
Private, not-for-profit, n (%)	751 (78.5)	26 (2.7)	126 (13.2)	54 (5.6)	
Public, not-for-profit, n (%)	1,300 (47.4)	213 (7.8)	603 (22.0)	629 (22.9)	
For-profit, n (%)	608 (91.6)	24 (3.6)	24 (3.6)	8 (1.2)	
System affiliation					$\chi^2=437.4$ , $P<0.001$
Member of system, n (%)	1,449 (50.6)	231 (8.1)	549 (19.2)	637 (22.2)	
Independent, n (%)	1,210 (80.7)	32 (2.1)	204 (13.6)	54 (3.6)	
Teaching status					$\chi^2=256.9$ , $P<0.001$
Teaching hospital, n (%)	933 (48.4)	148 (7.7)	389 (20.2)	457 (23.7)	
Non-teaching hospital, n (%)	1,726 (70.8)	115 (4.7)	364 (14.9)	234 (9.6)	
Contract management					$\chi^2=3.8$ , $P=0.28$
Contract managed, n (%)	205 (63.1)	18 (5.5)	62 (19.1)	40 (12.3)	
Not contract managed, n (%)	2,454 (60.7)	245 (6.1)	691 (17.1)	651 (16.1)	
Clinically integrated network					$\chi^2=983.24$ , $P<0.001$
Clinically integrated network, n (%)	289 (19.1)	152 (10.0)	543 (35.8)	533 (35.1)	
Not a clinically integrated network, n (%)	2,370 (83.2)	111 (3.9)	210 (7.4)	158 (5.6)	
# of beds					$\chi^2=338.6$ , $P<0.001$
6–99, n (%)	1,564 (70.6)	106 (4.8)	337 (15.2)	209 (9.4)	
100–299, n (%)	808 (57.8)	74 (5.3)	253 (18.1)	264 (18.9)	
300–499, n (%)	208 (45.0)	49 (10.6)	99 (21.4)	106 (22.9)	
500 or more, n (%)	79 (27.3)	34 (11.8)	64 (22.2)	112 (38.8)	
Sole community provider status					$\chi^2=19.1$ , $P<0.001$
Sole community provider, n (%)	208 (68.9)	12 (4.0)	58 (19.2)	24 (8.0)	
Not sole community provider, n (%)	2,451 (60.3)	251 (6.2)	695 (17.1)	667 (16.4)	
% of revenue from capitation, mean (SD)	0.5 (3.5)	2.7 (6.8)	3.9 (15.7)	1.1 (5.3)	$F=24.5$ , $P<0.001$
<b>Community controls</b>					
Geographic location					$\chi^2=222.9$ , $P<0.001$
Rural hospital, n (%)	618 (77.2)	27 (3.4)	112 (14.0)	44 (5.5)	
Suburban, n (%)	688 (68.1)	46 (4.6)	176 (17.4)	101 (10.0)	
Urban hospital, n (%)	1,353 (53.0)	190 (7.4)	465 (18.2)	546 (21.4)	
Medicare managed care penetration, mean (SD)	28.7 (15.6)	32.8 (12.3)	31.3 (14.2)	32.4 (11.4)	$F=18.7$ , $P<0.001$
Percent minority, mean (SD)	18.6 (16.3)	18.2 (14.3)	17.5 (14.5)	21.5 (15.3)	$F=8.5$ , $P<0.001$
Percent over 65, mean (SD)	18.2 (4.7)	17.0 (3.8)	18.0 (4.2)	16.4 (3.9)	$F=31.7$ , $P<0.001$
Percent below federal poverty level, mean (SD)	14.9 (5.6)	13.7 (4.9)	13.7 (4.8)	12.3 (4.4)	$F=48.1$ , $P<0.001$
Herfindahl-Hirschman Index, mean (SD)	0.67 (0.34)	0.57 (0.34)	0.62 (0.35)	0.52 (0.33)	$F=35.6$ , $P<0.001$
Mental Health Professional Shortage Area					$\chi^2=200.1$ , $P<0.001$
County not MH HPSA, n (%)	115 (48.5)	15 (6.3)	50 (21.1)	57 (24.1)	
Partial county is MH HPSA, n (%)	1,342 (71.9)	81 (4.3)	284 (15.2)	160 (8.6)	
Whole county is HPSA hospital, n (%)	1,200 (53.1)	167 (7.4)	419 (18.5)	474 (21.0)	
Health status of community	0.05 (0.48)	–0.002 (0.42)	–0.05 (0.43)	–0.13 (0.42)	$F=30.9$ , $P<0.001$
N	4,460			4,364	

Statistically significant difference at  $P<0.05$  between areas of integration. MH HPSA, mental health professional shortage area.