

Supplemental S3. Descriptive statistics of sample

Variable	No TGD Primary Care (n=31)	Provides TGD Primary Care (n=150)	No GAC (n=95)	GAC (n=86)	Total (n=181)
<i>Categorical variables</i>					<i>n (%)</i>
What medical degree did you obtain?					
MD	27 (87.10)	129 (86.00)	79 (83.16)	77 (89.53)	156 (86.19)
Other	4 (12.90)	21 (14.00)	16 (16.84)	9 (10.47)	25 (13.81)
Have you participated in any type of education or training in TGD patient care?					
Yes	18 (58.06)	103 (68.67)	54 (56.84)	67 (77.91)	121 (66.85)
No	10 (32.26)	30 (20.00)	31 (32.63)	9 (10.47)	40 (22.10)
No, but I plan to	3 (9.68)	17 (11.33)	10 (10.53)	10 (11.63)	20 (11.05)
Are there TGD patients at your practice site?					
Yes	19 (61.29)	147 (98.00)	80 (84.21)	86 (100.00)	166 (91.71)
No	4 (12.90)	2 (1.33)	6 (6.32)	0 (0.00)	6 (3.31)
Not sure	8 (25.81)	0 (0.00)	8 (8.42)	0 (0.00)	8 (4.42)
No response	0 (0.00)	1 (0.67)	1 (1.05)	0 (0.00)	1 (0.55)
Do you or any of your practice forms/electronic health record (EHR) explicitly ask patients for their gender identity?					
Yes	24 (77.42)	132 (88.00)	78 (82.11)	78 (90.70)	156 (86.19)
No	5 (16.13)	11 (7.33)	10 (10.53)	6 (6.98)	15 (8.84)
Not sure	2 (6.45)	7 (4.67)	7 (7.37)	2 (2.33)	9 (4.97)
Do you or any of your practice forms/EHR explicitly ask patients for their pronouns?					
Yes	16 (51.61)	114 (76.00)	59 (62.11)	71 (82.56)	130 (71.82)
No	10 (32.26)	19 (12.67)	18 (18.95)	11 (12.79)	29 (16.02)
Not sure	5 (6.13)	17 (11.33)	18 (18.95)	4 (4.65)	22 (12.15)
Have you or any of your practice locations made any efforts to be more inclusive toward TGD patients (such as language on forms, restroom adjustments, staff training, etc.)?					
Yes	19 (61.29)	121 (80.67)	63 (66.32)	77 (89.53)	140 (77.35)
No	7 (22.58)	13 (8.67)	16 (16.84)	4 (4.65)	20 (11.05)

Not sure	5 (16.13)	15 (10.00)	16 (16.84)	4 (4.65)	20 (11.05)
No response	0 (0.00)	1 (0.67)	0 (0.00)	1 (1.16)	1 (0.55)
How is TGD care in your practice communicated and/or marketed to patients and the community? (Multiple Selection)					
It is readily and widely advertised in the community	1 (3.23)	16 (10.67)	5 (5.26)	12 (13.95)	17 (9.39)
It is known by word of mouth in the community/region	2 (6.45)	85 (56.67)	26 (27.37)	61 (70.93)	87 (48.07)
Our advertising materials make note of non-discriminatory practice and treatment of patients.	7 (22.58)	61 (40.67)	27 (28.42)	41 (47.67)	68 (37.57)
There is no mention of TGD care in our advertising materials	10 (32.26)	33 (22.00)	31 (32.63)	12 (13.95)	43 (23.76)
Not sure	12 (38.71)	19 (12.67)	23 (24.21)	8 (9.30)	31 (17.13)
Do you personally provide primary care (including chronic disease management and/or age-and organ-appropriate preventive screens) to TGD patients?					
Yes	0 (0.00)	150 (100.00)	66 (69.47)	84 (97.67)	150 (82.87)
No, but I would like to in the future	8 (25.81)	0 (0.00)	7 (7.37)	1 (1.16)	8 (4.42)
No, but I refer them to someone who can	9 (29.03)	0 (0.00)	8 (8.42)	1 (1.16)	9 (4.97)
No, and I have no interest in it	4 (12.90)	0 (0.00)	4 (4.21)	0 (0.00)	4 (2.21)
I have no TGD patients	10 (32.26)	0 (0.00)	10 (10.53)	0 (0.00)	10 (5.52)
Why do you not provide primary care to TGD patients? (Multiple Selection) ^a					
I have no TGD patients	3 (9.68)				15 (48.39)
I have not had sufficient training	6 (19.35)				6 (19.35)
I do not feel comfortable treating TGD patients	3 (9.68)				3 (9.68)
Providing primary care for TGD patients is against my personal beliefs	1 (3.23)				1 (3.23)
I have legal concerns related to TGD care	1 (3.23)				1 (3.23)
Other	10 (32.26)				10 (32.26)
Do you personally provide gender-affirming care to TGD patients?					
Yes	2 (6.45)	84 (56.00)	0 (0.00)	86 (100.00)	86 (47.51)
No, but I would like to in the future	4 (12.90)	17 (11.33)	21 (22.11)	0 (0.00)	21 (11.60)
No, but I refer them to someone who can	10 (32.26)	38 (25.33)	48 (50.53)	0 (0.00)	48 (26.52)
No, and I have no interest in it	7 (22.58)	10 (6.67)	17 (17.89)	0 (0.00)	17 (9.39)
I have no TGD patients	8 (25.81)	1 (0.67)	9 (9.47)	0 (0.00)	9 (4.97)

Why do you not provide gender-affirming care to TGD patients? (Multiple selection)^b

I have no TGD patients	15 (15.79)	15 (15.79)
I have not had sufficient training	50 (52.63)	50 (52.63)
I do not feel comfortable treating TGD patients	8 (8.42)	8 (8.42)
Providing care for TGD patients is against my personal beliefs	15 (15.79)	15 (15.79)
I have legal concerns related to TGD care	2 (2.11)	2 (2.11)
Other	20 (21.05)	20 (21.05)

Choose your age group:

29 or under	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
30-35	7 (22.58)	28 (18.67)	18 (18.95)	17 (19.77)	35 (19.34)
36-45	10 (32.26)	61 (40.67)	34 (35.79)	37 (43.02)	71 (39.23)
46-55	3 (9.68)	34 (22.67)	20 (21.05)	17 (19.77)	37 (20.44)
56-65	3 (9.68)	21 (14.00)	14 (14.74)	10 (11.63)	24 (13.26)
66-75	5 (16.13)	6 (4.00)	6 (6.32)	5 (5.81)	11 (6.08)
76+	2 (6.45)	0 (0.00)	2 (2.11)	0 (0.00)	2 (1.10)
Prefer not to answer	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)

Which of the following describes your race/ethnicity?

Asian	4 (12.90)	12 (8.00)	8 (8.42)	8 (9.30)	16 (8.84)
Black	1 (3.23)	11 (7.33)	8 (8.42)	4 (4.65)	12 (6.63)
Hispanic/Latino	1 (3.23)	3 (2.00)	4 (4.21)	0 (0.00)	4 (2.21)
White	17 (54.84)	118 (78.67)	65 (68.42)	70 (81.40)	135 (74.59)
Other or Biracial	4 (12.90)	5 (3.33)	5 (5.26)	4 (4.65)	9 (4.97)
No response	4 (12.90)	1 (0.67)	5 (5.26)	0 (0.00)	5 (2.76)

Which of the following describes your current gender identity?

Cisgender man, or man who is not transgender	19 (61.29)	55 (36.67)	49 (51.58)	25 (29.07)	74 (40.88)
Cisgender woman, or woman who is not transgender	9 (29.03)	92 (61.33)	42 (44.21)	59 (68.60)	101 (55.80)
Transgender or gender diverse (all categories)	0 (0.00)	2 (1.33)	0 (0.00)	2 (2.33)	2 (1.10)
No response	3 (9.68)	1 (0.67)	4 (4.21)	0 (0.00)	4 (2.21)

What are your pronouns?

He/Him	19 (61.29)	54 (36.00)	48 (50.53)	25 (29.07)	73 (40.33)
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She/her	8 (25.81)	93 (62.00)	41 (43.16)	60 (69.77)	101 (55.80)
They/them	0 (0.00)	1 (0.67)	0 (0.00)	1 (1.16)	1 (0.55)
No response	4 (12.90)	2 (1.33)	6 (6.32)	0 (0.00)	6 (3.31)
Which of the following describes your sexual orientation?					
Straight/heterosexual	27 (87.10)	127 (84.67)	84 (88.42)	70 (81.40)	154 (85.08)
LGB+	1 (3.23)	22 (14.67)	7 (7.37)	16 (18.60)	23 (12.71)
No response	3 (9.68)	1 (0.67)	4 (4.21)	0 (0.00)	4 (2.21)
How would you describe yourself politically?					
Extremely conservative	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)
Conservative	5 (16.13)	11 (7.33)	12 (12.63)	4 (4.65)	16 (8.84)
Leaning conservative	1 (3.23)	8 (5.33)	9 (9.47)	0 (0.00)	9 (4.97)
Moderate	6 (19.35)	17 (11.33)	18 (18.95)	5 (5.81)	23 (12.71)
Leaning liberal	5 (16.13)	19 (12.67)	13 (13.68)	11 (12.79)	24 (13.26)
Liberal	7 (22.58)	65 (43.33)	27 (28.42)	45 (52.33)	72 (39.78)
Extremely liberal	4 (12.90)	26 (17.33)	10 (10.53)	20 (23.26)	30 (16.57)
No response	2 (6.45)	4 (2.67)	5 (5.26)	1 (1.16)	6 (3.31)
Do you have at least one acquaintance, peer, colleague, friend, or family member who identifies as TGD (not including patients)?					
No	9 (29.03)	37 (24.67)	28 (29.47)	18 (20.93)	56 (30.94)
Yes	22 (70.97)	111 (74.00)	66 (69.47)	67 (77.91)	133 (73.48)
Prefer not to answer	0 (0.00)	2 (1.33)	1 (1.05)	1 (1.16)	2 (1.10)
What is your present religion, if any?					
Christian	14 (45.16)	73 (48.67)	52 (54.74)	35 (40.70)	87 (48.07)
Agnostic/Atheist/Nothing in particular	9 (29.03)	59 (39.33)	28 (29.47)	40 (46.51)	68 (37.57)
Other religion or multiple religions	8 (25.81)	16 (10.67)	14 (14.74)	10 (11.63)	24 (13.26)
No response	0 (0.00)	2 (1.33)	1 (1.05)	1 (1.16)	2 (1.10)
If you selected "Christian," what denomination do you identify with? ^c					
Baptist	4 (12.90)	9 (6.00)	11 (11.58)	2 (2.33)	13 (14.61)
Orthodox	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Protestant	5 (16.13)	39 (26.00)	23 (24.21)	21 (24.42)	44 (49.44)
Roman Catholic	2 (6.45)	9 (6.00)	6 (6.32)	5 (5.81)	11 (12.36)
Other	3 (9.68)	18 (12.00)	14 (14.74)	7 (8.14)	21 (23.60)

How spiritual do you consider yourself to be?					
Not spiritual	5 (16.13)	40 (26.67)	18 (18.95)	27 (31.40)	45 (24.86)
Slightly spiritual	7 (22.58)	27 (18.00)	13 (13.68)	21 (24.42)	34 (18.78)
Moderately spiritual	7 (22.58)	44 (29.33)	30 (31.58)	21 (24.42)	51 (28.18)
Very spiritual	11 (35.48)	35 (23.33)	30 (31.58)	16 (18.60)	46 (25.41)
No response	1 (3.23)	4 (2.67)	4 (4.21)	1 (1.16)	5 (2.76)
Urban code of residence					
Metro - Counties in metro areas of 1 million or more	12 (38.71)	42 (28.00)	34 (35.79)	20 (23.26)	54 (29.83)
Metro - Counties in metro areas of 250,000 to 1 million population	11 (35.48)	75 (50.00)	39 (41.05)	47 (54.65)	86 (47.51)
Metro - Counties in metro areas of fewer than 250,000	1 (3.23)	5 (3.33)	3 (3.16)	3 (3.49)	6 (3.31)
Non-metro - Urban population of 20,000 or more, adjacent to a metro area	4 (12.90)	4 (2.67)	7 (7.37)	1 (1.16)	8 (4.42)
Non-metro - Urban population of 20,000 or more, not adjacent to a metro area	2 (6.45)	9 (6.00)	4 (4.21)	7 (8.14)	11 (6.08)
Non-metro - Urban population of 5,000 to 20,000, adjacent to a metro area	0 (0.00)	6 (4.00)	4 (4.21)	2 (2.33)	6 (3.31)
Non-metro - Urban population of 5,000 to 20,000, not adjacent to a metro area	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Non-metro - Urban population of fewer than 5,000, adjacent to a metro area	0 (0.00)	3 (2.00)	1 (1.05)	2 (2.33)	3 (1.66)
Non-metro - Urban population of fewer than 5,000, not adjacent to a metro area	0 (0.00)	5 (3.33)	1 (1.05)	4 (4.65)	5 (2.76)
No response	1 (3.23)	1 (0.67)	2 (2.11)	0 (0.00)	2 (1.10)
Managed Medicaid region of residence					
1	7 (22.58)	36 (24.00)	15 (15.79)	28 (32.56)	43 (23.76)
2	4 (12.90)	32 (21.33)	24 (25.26)	12 (13.95)	36 (19.89)
3	6 (19.35)	27 (18.00)	19 (20.00)	14 (16.28)	33 (18.23)
4	8 (25.81)	37 (24.67)	24 (25.26)	21 (24.42)	45 (24.86)
5	4 (12.90)	11 (7.33)	9 (9.47)	6 (6.98)	15 (8.29)
6	1 (3.23)	6 (4.00)	2 (2.11)	5 (5.81)	7 (3.87)

No response	1 (3.23)	1 (0.67)	2 (2.11)	0 (0.00)	2 (1.10)
Urban code of practice					
Metro - Counties in metro areas of 1 million or more	10 (32.26)	32 (21.33)	28 (29.47)	14 (16.28)	42 (23.20)
Metro - Counties in metro areas of 250,000 to 1 million population	9 (29.03)	75 (50.00)	37 (38.95)	47 (54.65)	84 (45.41)
Metro - Counties in metro areas of fewer than 250,000	6 (19.35)	27 (18.00)	14 (14.74)	19 (22.09)	33 (18.23)
Non-metro - Urban population of 20,000 or more, adjacent to a metro area	2 (6.45)	1 (0.67)	2 (2.11)	1 (1.16)	3 (1.66)
Non-metro - Urban population of 20,000 or more, not adjacent to a metro area	1 (3.23)	5 (3.33)	3 (3.16)	3 (3.49)	6 (3.31)
Non-metro - Urban population of 5,000 to 20,000, adjacent to a metro area	0 (0.00)	5 (3.33)	4 (4.21)	1 (1.16)	5 (2.76)
Non-metro - Urban population of 5,000 to 20,000, not adjacent to a metro area	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Non-metro - Urban population of fewer than 5,000, adjacent to a metro area	2 (6.45)	3 (2.00)	4 (4.21)	1 (1.16)	5 (2.76)
Non-metro - Urban population of fewer than 5,000, not adjacent to a metro area	0 (0.00)	1 (0.67)	1 (1.05)	0 (0.00)	1 (0.55)
No response	1 (3.23)	1 (0.67)	2 (2.11)	0 (0.00)	2 (1.10)
Managed Medicaid region of practice					
1	3 (9.68)	15 (10.00)	9 (9.47)	9 (10.47)	18 (9.94)
2	3 (9.68)	30 (20.00)	21 (22.11)	12 (13.95)	33 (18.23)
3	5 (16.13)	40 (26.67)	22 (23.16)	23 (26.74)	45 (24.86)
4	15 (48.39)	47 (31.33)	35 (36.84)	27 (31.40)	62 (34.25)
5	3 (9.68)	11 (7.33)	5 (5.26)	9 (10.47)	14 (7.73)
6	1 (3.23)	6 (4.00)	1 (1.05)	6 (6.98)	7 (3.87)
Which of these best describes your current board status (with either the American Board of Family Medicine, American Osteopathic Board of Family Physicians, or other)?					
No response	1 (3.23)	1 (0.67)	2 (2.11)	0 (0.00)	2 (1.10)

Board certification entry/re-entry	0 (0.00)	1 (0.67)	1 (1.05)	0 (0.00)	1 (0.55)
Board certification or entry withdrawn	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)
Board certified	29 (93.55)	149 (99.33)	92 (96.84)	86 (100.00)	178 (98.34)
Board eligible	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)
What is your current employment status?					
Employment by a government organization	3 (9.68)	11 (7.33)	7 (7.37)	7 (8.14)	14 (7.73)
Employment by a hospital/hospital-owned medical group	16 (15.61)	62 (41.33)	46 (48.42)	32 (37.21)	78 (43.09)
Employment by a non-hospital, non-governmental, non-profit organization	1 (3.23)	30 (20.00)	11 (11.58)	20 (23.26)	31 (17.13)
Employment by a physician-owned group	1 (3.23)	15 (10.00)	8 (8.42)	8 (9.30)	16 (8.84)
Practice owner/partner/associate or independent contractor	7 (22.58)	28 (18.67)	18 (18.95)	17 (19.77)	35 (19.34)
Other	3 (9.68)	4 (2.67)	5 (5.26)	2 (2.33)	7 (3.87)
Is your practice:					
Solo	6 (19.35)	13 (8.67)	10 (10.53)	9 (10.47)	19 (10.50)
2-5 physicians	9 (29.03)	50 (33.33)	36 (37.89)	23 (26.74)	59 (32.60)
6-10 physicians	5 (16.13)	28 (18.67)	17 (17.89)	16 (18.60)	33 (18.23)
11-21 physicians	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
22-30 physicians	7 (22.58)	17 (11.33)	16 (16.84)	8 (9.30)	24 (13.26)
31-100 physicians	2 (6.45)	33 (22.00)	12 (12.63)	23 (26.74)	35 (19.34)
101 or more physicians	2 (6.45)	9 (6.00)	4 (4.21)	7 (8.14)	11 (6.08)
What is your primary practice's position regarding Medicaid?					
Does not accept	3 (9.68)	23 (15.33)	8 (8.42)	18 (20.93)	26 (14.34)
Limits the number of these patients	1 (3.23)	16 (10.67)	6 (6.32)	11 (12.79)	17 (9.39)
Does not limit number of these patients	24 (77.42)	108 (72.00)	76 (80.00)	56 (65.12)	132 (72.93)
Not sure	2 (6.45)	3 (2.00)	4 (4.21)	1 (1.16)	5 (2.76)
No response	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)
What is your primary practice's position regarding Medicare?					
Does not accept	3 (9.68)	18 (12.00)	8 (8.42)	13 (15.12)	21 (11.60)
Limits the number of these patients	0 (0.00)	0 (0.00)	2 (2.11)	7 (8.14)	9 (4.97)
Does not limit number of these patients	27 (87.10)	123 (82.00)	84 (88.42)	66 (76.74)	150 (82.87)
Not sure	1 (3.23)	9 (6.00)	1 (1.05)	0 (0.00)	1 (0.55)

What is your primary practice's position regarding self-pay?					
Does not accept	0 (0.00)	5 (3.33)	2 (2.11)	3 (3.49)	5 (2.76)
Limits the number of these patients	1 (3.23)	7 (4.67)	4 (4.21)	4 (4.65)	8 (4.42)
Does not limit number of these patients	28 (90.32)	132 (88.00)	85 (89.47)	75 (87.21)	160 (88.40)
Not sure	2 (6.45)	6 (4.00)	4 (4.21)	1 (1.16)	8 (4.42)
If yes to any of the above, what best describes your educator/teaching/precepting role?					
Adjunct faculty	9 (29.03)	17 (11.33)	15 (15.79)	11 (12.79)	26 (14.36)
Community-based preceptor	8 (25.81)	43 (28.67)	31 (32.63)	20 (23.26)	51 (28.18)
Core faculty	3 (9.68)	39 (26.00)	16 (16.84)	26 (30.23)	42 (23.20)
Other academic appointment	1 (3.23)	8 (5.33)	3 (3.16)	6 (6.98)	9 (4.97)
Other (please specify)	0 (0.00)	7 (4.67)	2 (2.11)	5 (5.81)	7 (3.87)
No response	10 (32.26)	36 (24.00)	28 (29.47)	18 (20.93)	46 (25.41)
In the past 3 years, which of the following have you been involved with in medical education/teaching/precepting?					
Both medical students and residents	14 (45.16)	87 (58.00)	46 (48.42)	55 (63.95)	101 (55.80)
Medical students	4 (12.90)	28 (18.67)	18 (18.95)	14 (16.28)	32 (17.68)
Residents	3 (9.68)	3 (2.00)	4 (4.21)	2 (2.33)	6 (3.31)
None	9 (29.03)	32 (21.33)	26 (27.37)	15 (17.44)	41 (22.65)
No response	1 (3.23)	0 (0.00)	1 (1.05)	0 (0.00)	1 (0.55)
How many years has it been since you completed family medicine residency (even if you later completed a fellowship or additional training)?					
Five or less	9 (29.03)	33 (22.00)	24 (25.26)	18 (20.93)	42 (23.20)
6 to 10	4 (12.90)	45 (30.00)	21 (22.11)	28 (32.56)	49 (27.07)
11 to 15	8 (25.81)	15 (10.00)	12 (12.63)	11 (12.79)	23 (12.71)
16 to 20	2 (6.45)	11 (7.33)	9 (9.47)	4 (4.65)	13 (7.18)
21 to 25	0 (0.00)	21 (14.00)	8 (8.42)	13 (15.12)	21 (11.60)
26 to 30	2 (6.45)	18 (12.00)	15 (15.79)	5 (5.81)	20 (11.05)
31 to 35	0 (0.00)	2 (1.33)	0 (0.00)	2 (2.33)	2 (1.10)
36 to 40	2 (6.45)	4 (2.67)	2 (2.11)	4 (4.65)	6 (3.31)
Over 40	4 (12.90)	1 (0.67)	4 (4.21)	1 (1.16)	5 (2.76)
<i>Continuous variables</i>					<i>M (SD)</i>

On a scale of 0-10 (0 being the least, 10 being the most), how welcoming would you rate your practice to TGD persons?	7.32 (2.18)	7.41 (1.74)	7.13 (1.94)	7.67 (1.63)	7.40 (1.81)
What is your comfort level in providing primary care to TGD patients?	7.61 (2.53)	8.71 (1.66)	7.81 (2.19)	9.30 (0.97)	8.54 (1.86)
What is your comfort level in providing gender affirming care to TGD patients?	4.08 (3.37)	6.12 (2.93)	3.76 (2.74)	7.78 (1.86)	5.82 (3.09)
What is your belief about family physicians providing primary care to TGD patients?	7.90 (2.72)	9.46 (1.27)	8.75 (2.05)	9.69 (0.96)	9.20 (1.69)
What is your belief about family physicians providing gender affirming care to TGD patients?	6.39 (2.74)	8.25 (2.48)	6.52 (2.80)	9.44 (1.22)	7.99 (2.59)
