

SUPPLEMENTARY TABLE S7. THE ASSOCIATION BETWEEN HEALTH WORKERS' TRAINING, PERCEPTIONS OF COWORKER ATTITUDES, AND STIGMATIZING ATTITUDES WITH FOUR STIGMA OUTCOMES FOR YOUNG WOMEN WHO BECOME PREGNANT BEFORE MARRIAGE

Variable	Categories	<i>I would be ashamed if a young woman in my family became pregnant before marriage</i>			<i>Other people deserve access to health services more than young women who become pregnant before marriage</i>			<i>If I had a choice, I would prefer not to provide services to young women who become pregnant before marriage</i>			<i>Young women who become pregnant before marriage engage in irresponsible behaviors</i>		
		n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]
Training on infection control ^a	No	158/342 (46.2)	1	0.635	53/342 (15.5)	1	0.616	16/342 (4.7)	1	0.726	167/342 (48.8)	1	0.340
	Yes	458/1011 (45.3)	0.93 (0.70–1.24)		172/1011 (17.0)	1.08 (0.79–1.47)		55/1011 (5.4)	1.11 (0.62–2.00)		473/1011 (46.8)	0.89 (0.71–1.13)	
	Missing	37/79 (46.8)			18/79 (22.8)			6/79 (7.6)			33/79 (41.8)		
My coworkers sometimes treat people living with HIV poorly ^b	Strongly disagree	207/539 (38.4)	1	<0.001	64/539 (11.9)	1	<0.001	17/539 (3.2)	1	<0.001	197/539 (36.5)		<0.001
	Disagree	302/659 (45.8)	1.34 (1.06–1.70)		108/659 (16.4)	1.43 (1.02–2.01)		30/659 (4.6)	1.43 (0.79–2.58)		336/659 (51.0)	1.79 (1.42–2.26)	
	Agree	108/171 (63.2)	2.70 (2.02–3.61)		55/171 (32.2)	3.44 (2.32–5.11)		20/171 (11.7)	3.93 (2.11–7.32)		102/171 (59.6)	2.48 (1.70–3.61)	
	Strongly agree	19/35 (54.3)	1.75 (0.79–3.87)		12/35 (34.3)	3.82 (2.15–6.79)		6/35 (17.1)	6.17 (3.08–12.36)		23/35 (65.7)	3.04 (1.43–6.45)	
My coworkers sometimes talk badly about PLHIV ^c	Missing	17/28 (60.7)			4/28 (14.3)			4/28 (14.3)			15/28 (53.6)		
	Strongly disagree	104/295 (35.3)	1	<0.001	32/295 (10.8)	1	<0.001	8/295 (2.7)	1	<0.001	100/295 (33.9)	1	<0.001
	Disagree	297/668 (44.5)	1.41 (1.06–1.86)		90/668 (13.5)	1.27 (0.85–1.91)		24/668 (3.6)	1.36 (0.90–2.05)		299/668 (44.8)	1.50 (1.13–2.00)	
	Agree	180/337 (53.4)	2.01 (1.56–2.59)		86/337 (25.5)	2.77 (2.00–3.84)		32/337 (9.5)	3.73 (2.00–6.96)		189/337 (56.1)	2.36 (1.64–3.41)	
I would be ashamed if someone in my family had HIV ^d	Strongly agree	67/112 (59.8)	2.56 (1.58–4.15)		29/112 (25.9)	2.81 (1.73–4.57)		13/112 (11.6)	4.68 (2.61–8.39)		77/112 (68.8)	4.01 (2.78–5.79)	
	Missing	5/20 (25.0)			6/20 (30.0)			0/20 (0.0)			8/20 (40.0)		
	Strongly disagree	278/718 (38.7)	1	<0.001	92/718 (12.8)	1	<0.001	20/718 (2.8)	1	<0.001	295/718 (41.1)	1	<0.001
	Disagree	307/629 (48.8)	1.49 (1.24–1.79)		115/629 (18.3)	1.50 (1.14–1.96)		30/629 (4.8)	1.70 (1.16–2.51)		327/629 (52.0)	1.54 (1.26–1.88)	
	Agree	33/40 (82.5)	7.38 (3.68–14.80)		17/40 (42.5)	4.81 (2.76–8.39)		14/40 (35.0)	18.04 (9.63–33.80)		26/40 (65.0)	2.57 (1.23–5.38)	
PLHIV engage in irresponsible behaviors ^e	Strongly agree	30/38 (78.9)	5.82 (2.82–12.02)		18/38 (47.4)	6.20 (2.81–13.70)		12/38 (31.6)	15.56 (7.51–32.23)		22/38 (57.9)	1.98 (0.87–4.55)	
	Missing	5/7 (71.4)			1/7 (14.3)			1/7 (14.3)			3/7 (42.9)		
	Strongly disagree	147/355 (41.4)	1	<0.001	43/355 (12.1)	1	<0.001	11/355 (3.1)	1	<0.001	114/355 (32.1)	1	<0.001
	Disagree	263/650 (40.5)	0.93 (0.70–1.24)		92/650 (14.2)	1.20 (0.77–1.87)		24/650 (3.7)	1.20 (0.70–2.07)		304/650 (46.8)	1.81 (1.32–2.49)	
	Agree	173/306 (56.5)	1.74 (1.19–2.55)		79/306 (25.8)	2.49 (1.79–3.48)		31/306 (10.1)	3.39 (1.84–6.25)		183/306 (59.8)	3.02 (2.25–4.06)	
Other people deserve access to services more than PLHIV ^f	Strongly agree	63/105 (60.0)	1.93 (1.32–2.83)		26/105 (24.8)	2.39 (1.36–4.21)		11/105 (10.5)	3.53 (1.47–8.51)		65/105 (61.9)	3.22 (1.95–5.29)	
	Missing	7/16 (43.8)			3/16 (18.8)			0/16 (0.0)			7/16 (43.8)		
	Strongly disagree	194/501 (38.7)	1	<0.001	21/501 (4.2)	1	<0.001	7/501 (1.4)	1	<0.001	200/501 (39.9)	1	<0.001
	Disagree	271/589 (46.0)	1.33 (1.06–1.67)		67/589 (11.4)	2.87 (1.74–4.72)		23/589 (3.9)	2.77 (0.98–7.82)		281/589 (47.7)	1.36 (1.02–1.80)	
Prefer not to provide services to PLHIV ^g	Agree	134/232 (57.8)	2.18 (1.56–3.05)		110/232 (47.4)	20.35 (11.75–35.24)		34/232 (14.7)	11.70 (4.79–28.62)		139/232 (59.9)	2.28 (1.62–3.22)	
	Strongly agree	41/78 (52.6)	1.68 (1.20–2.37)		37/78 (47.4)	20.22 (10.56–38.72)		10/78 (12.8)	9.80 (3.34–28.81)		38/78 (48.7)	1.37 (0.88–2.15)	
	Missing	13/32 (40.6)			8/32 (25.0)			3/32 (9.4)			15/32 (46.9)		
	Strongly disagree	326/751 (43.4)	1	0.004	87/751 (11.6)	1	<0.001	13/751 (1.7)	1	<0.001	311/751 (41.4)	1	<0.001
	Disagree	268/584 (45.9)	1.08 (0.85–1.39)		112/584 (19.2)	1.79 (1.27–2.52)		34/584 (5.8)	3.46 (1.73–6.90)		301/584 (51.5)	1.50 (1.15–1.95)	
	Agree	30/52 (57.7)	1.77 (1.09–2.88)		27/52 (51.9)	7.99 (4.70–13.59)		20/52 (38.5)	34.11 (16.75–69.48)		34/52 (65.4)	2.70 (1.76–4.13)	
Strongly agree	26/39 (66.7)	2.36 (1.21–4.60)		16/39 (41.0)	5.24 (2.35–11.69)		10/39 (25.6)	18.64 (6.12–56.81)		23/39 (59.0)	1.89 (0.99–3.62)		
	Missing	3/6 (50.0)			1/6 (16.7)			0/6 (0.0)			4/6 (66.7)		

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SUPPLEMENTARY TABLE S7. (CONTINUED)

Variable	Categories	<i>I would be ashamed if a young woman in my family became pregnant before marriage</i>			<i>Other people deserve access to health services more than young women who become pregnant before marriage</i>			<i>If I had a choice, I would prefer not to provide services to young women who become pregnant before marriage</i>			<i>Young women who become pregnant before marriage engage in irresponsible behaviors</i>		
		n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]
I would be ashamed if a woman in my family sold sex ^h	Strongly disagree	23/84 (27.4)	1	<0.001	11/84 (13.1)	1	0.469	7/84 (8.3)	1	0.432	23/84 (27.4)	1	<0.001
	Disagree	51/225 (22.7)	0.76 (0.46–1.27)		32/225 (14.2)	1.06 (0.62–1.82)		11/225 (4.9)	0.56 (0.18–1.75)		71/225 (31.6)	1.19 (0.77–1.84)	
	Agree	295/625 (47.2)	2.36 (1.66–3.36)		111/625 (17.8)	1.38 (0.83–2.29)		37/625 (5.9)	0.67 (0.30–1.48)		309/625 (49.4)	2.57 (1.53–4.33)	
	Strongly agree	278/474 (58.6)	3.79 (2.59–5.53)		87/474 (18.4)	1.45 (0.78–2.73)		22/474 (4.6)	0.53 (0.23–1.21)		264/474 (55.7)	3.34 (2.00–5.57)	
Women who sell sex engage in irresponsible behaviors ⁱ	Missing	6/24 (25.0)			2/24 (8.3)			0/24 (0.0)			6/24 (25.0)		
	Strongly disagree	31/87 (35.6)	1	<0.001	12/87 (13.8)	1	0.625	2/87 (2.3)	1	0.573	15/87 (17.2)	1	<0.001
	Disagree	78/255 (30.6)	0.83 (0.53–1.32)		39/255 (15.3)	1.11 (0.49–2.50)		15/255 (5.9)	2.59 (0.68–9.83)		62/255 (24.3)	1.63 (0.75–3.53)	
	Agree	354/732 (48.4)	1.74 (1.04–2.93)		130/732 (17.8)	1.30 (0.59–2.86)		40/732 (5.5)	2.34 (0.65–8.46)		385/732 (52.6)	5.59 (3.12–10.00)	
Other people deserve access to services more than women who sell sex ^j	Strongly agree	180/310 (58.1)	2.67 (1.49–4.78)		56/310 (18.1)	1.35 (0.66–2.77)		18/310 (5.8)	2.54 (0.63–10.31)		198/310 (63.9)	9.22 (5.04–16.86)	
	Missing	10/48 (20.8)			6/48 (12.5)			2/48 (4.2)			13/48 (27.1)		
	Strongly disagree	174/449 (38.8)	1	<0.001	19/449 (4.2)	1	<0.001	9/449 (2.0)	1	<0.001	167/449 (37.2)	1	<0.001
	Disagree	350/757 (46.2)	1.34 (1.13–1.59)		78/757 (10.3)	2.53 (1.51–4.22)		29/757 (3.8)	1.88 (0.94–3.75)		369/757 (48.7)	1.59 (1.29–1.95)	
Prefer not to provide services to women who sell sex ^k	Agree	97/168 (57.7)	2.09 (1.47–2.99)		108/168 (64.3)	39.85 (20.93–75.86)		29/168 (17.3)	9.61 (3.91–23.62)		103/168 (61.3)	2.62 (1.91–3.60)	
	Strongly agree	24/44 (54.5)	1.92 (1.00–3.72)		32/44 (72.7)	60.21 (34.84–104.03)		10/44 (22.7)	14.31 (7.58–26.99)		28/44 (63.6)	3.02 (1.91–4.76)	
	Missing	8/14 (57.1)			6/14 (42.9)			0/14 (0.0)			6/14 (42.9)		
	Strongly disagree	231/546 (42.3)	1	0.021	61/546 (11.2)	1	<0.001	10/546 (1.8)	1	<0.001	212/546 (38.8)	1	<0.001
I would be ashamed if a man in my family had sex with other men ^l	Disagree	350/764 (45.8)	1.14 (0.95–1.36)		122/764 (16.0)	1.47 (1.09–1.98)		33/764 (4.3)	2.37 (1.05–5.37)		387/764 (50.7)	1.61 (1.35–1.91)	
	Agree	49/85 (57.6)	1.81 (1.23–2.66)		38/85 (44.7)	6.12 (3.56–10.53)		23/85 (27.1)	18.90 (10.48–34.08)		51/85 (60.0)	2.33 (1.60–3.39)	
	Strongly agree	17/27 (63.0)	2.27 (0.94–5.47)		18/27 (66.7)	15.40 (7.13–33.27)		11/27 (40.7)	34.38 (15.88–74.43)		19/27 (70.4)	3.80 (2.16–6.70)	
	Missing	6/10 (60.0)			4/10 (40.0)			0/10 (0.0)			4/10 (40.0)		
I would be ashamed if a man in my family had sex with other men ^l	Strongly disagree	26/82 (31.7)	1	<0.001	12/82 (14.6)	1	0.597	4/82 (4.9)	1	0.915	22/82 (26.8)	1	<0.001
	Disagree	56/233 (24.0)	0.70 (0.41–1.19)		35/233 (15.0)	1.02 (0.52–2.02)		11/233 (4.7)	0.99 (0.31–3.21)		64/233 (27.5)	1.04 (0.50–2.20)	
	Agree	265/555 (47.7)	1.95 (1.08–3.54)		101/555 (18.2)	1.26 (0.55–2.86)		34/555 (6.1)	1.24 (0.41–3.69)		271/555 (48.8)	2.58 (1.49–4.47)	
	Strongly agree	299/534 (56.0)	2.73 (1.54–4.84)		93/534 (17.4)	1.20 (0.55–2.66)		27/534 (5.1)	1.01 (0.33–3.15)		308/534 (57.7)	3.69 (2.20–6.19)	
Missing	7/28 (25.0)			2/28 (7.1)			1/28 (3.6)			8/28 (28.6)			

(continued)

SUPPLEMENTARY TABLE S7. (CONTINUED)

Variable	Categories	<i>I would be ashamed if a young woman in my family became pregnant before marriage</i>			<i>Other people deserve access to health services more than young women who become pregnant before marriage</i>			<i>If I had a choice, I would prefer not to provide services to young women who become pregnant before marriage</i>			<i>Young women who become pregnant before marriage engage in irresponsible behaviors</i>		
		n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]	n/N (%) [*]	aOR (95% CIs) [†]	p _w [‡]
MSM engage in irresponsible behaviors ^m	Strongly disagree	35/93 (37.6)	1	<0.001	14/93 (15.1)	1	0.153	5/93 (5.4)	1	0.910	20/93 (21.5)	1	<0.001
	Disagree	97/321 (30.2)	0.75 (0.49–1.16)		46/321 (14.3)	0.94 (0.48–1.85)		15/321 (4.7)	0.87 (0.26–2.93)		94/321 (29.3)	1.56 (0.67–3.63)	
	Agree	329/644 (51.1)	1.73 (1.19–2.52)		113/644 (17.5)	1.16 (0.69–1.96)		35/644 (5.4)	0.96 (0.34–2.71)		352/644 (54.7)	4.44 (2.27–8.69)	
	Strongly agree	169/295 (57.3)	2.20 (1.52–3.19)		59/295 (20.0)	1.38 (0.83–2.28)		18/295 (6.1)	1.11 (0.37–3.35)		189/295 (64.1)	6.42 (3.09–13.34)	
	Missing	23/79 (29.1)			11/79 (13.9)			4/79 (5.1)			18/79 (22.8)		
Other people deserve access to services more than MSM ⁿ	Strongly disagree	183/457 (40.0)	1	<0.001	23/457 (5.0)	1	<0.001	7/457 (1.5)	1	<0.001	172/457 (37.6)	1	<0.001
	Disagree	331/735 (45.0)	1.21 (0.97–1.51)		65/735 (8.8)	1.76 (1.04–2.97)		30/735 (4.1)	2.65 (1.45–4.84)		358/735 (48.7)	1.55 (1.24–1.95)	
	Agree	101/159 (63.5)	2.59 (1.88–3.58)		110/159 (69.2)	42.66 (19.34–94.06)		28/159 (17.6)	13.00 (4.52–37.35)		93/159 (58.5)	2.34 (1.58–3.47)	
	Strongly agree	30/57 (52.6)	1.56 (1.00–2.42)		33/57 (57.9)	25.14 (13.40–47.17)		9/57 (15.8)	11.55 (3.73–35.80)		42/57 (73.7)	4.39 (2.30–8.38)	
	Missing	8/24 (33.3)			12/24 (50.0)			3/24 (12.5)			8/24 (33.3)		
Prefer not to provide services to MSM ^o	Strongly disagree	204/505 (40.4)	1	<0.001	56/505 (11.1)	1	<0.001	10/505 (2.0)	1	<0.001	190/505 (37.6)	1	<0.001
	Disagree	358/778 (46.0)	1.22 (0.97–1.53)		121/778 (15.6)	1.43 (0.94–2.18)		27/778 (3.5)	1.71 (0.78–3.76)		397/778 (51.0)	1.68 (1.34–2.12)	
	Agree	57/87 (65.5)	2.78 (1.70–4.55)		44/87 (50.6)	8.06 (4.04–16.09)		28/87 (32.2)	22.55 (9.96–51.05)		48/87 (55.2)	2.04 (1.44–2.90)	
	Strongly agree	29/48 (60.4)	2.08 (1.17–3.71)		18/48 (37.5)	4.76 (2.93–7.72)		11/48 (22.9)	14.34 (4.69–43.85)		34/48 (70.8)	3.79 (1.95–7.37)	
	Missing	5/14 (35.7)			4/14 (28.6)			1/14 (7.1)			4/14 (28.6)		

*Proportion of health workers responding strongly agree or agree.

[†]The aOR for sex is adjusted for age group; the aOR for age group is adjusted for sex; the aOR for all other predictor variables is adjusted for sex and age group.

[‡]A *p* value of <0.05 indicates that the predictor creates a statistically significant improvement in the fit of the model.

[§]Infection control and universal precautions (including postexposure prophylaxis and waste management).

^{||}My coworkers sometimes treat people living with HIV poorly when providing them.

[¶]My coworkers sometimes talk badly about people thought to be living with HIV.

^{||}I would be ashamed if a woman in my family was PLHIV.

[¶]PLHIV engage in irresponsible behaviors.

^{||}Other people deserve access to health services more than PLHIV.

[¶]If I had a choice, I would prefer not to provide services to PLHIV.

^{||}I would be ashamed if a woman in my family was a woman who sells sex.

[¶]Women who sell sex engage in irresponsible behaviors.

^{||}Other people deserve access to health services more than women who sell sex.

[¶]If I had a choice, I would prefer not to provide services to women who sell sex.

^{||}I would be ashamed if a member of my family was a man who has sex with men.

^mMSM engage in irresponsible behaviors.

ⁿOther people deserve access to health services more than MSM.

^oIf I had a choice, I would prefer not to provide services to MSM.

aOR, adjusted odds ratio; CIs, confidence intervals; MSM, men who have sex with men; *n*, number of individuals reporting the four stigmas within groups; *N*, total number of individuals within groups; PLHIV, people living with HIV; *p_w*, *p* value of the Wald test.

p-Values marked in bold indicate numbers that are significant on the 95% confidence limit.