## **Supplementary Online Content**

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This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1.** Participant Characteristics of Analytic Sample Compared to the Excluded Sample With Missing Mental Health Symptom Data, The PRIDE Study, April 1, 2020 – June 1, 2023.

Participant characteristics         Analytic Sample         with Missing Outcome           Individuals, No.         8733         2109           States, No.*         45         45           Age, median (IQR), years         32.5 (26.0-45.0)         33.3 (26.3-45.6)           Gender Identity, No. (%)*         364 (4.2)         54 (2.6)           Agender         364 (4.2)         54 (2.6)           Cisgender man         1464 (16.8)         320 (15.2)           Cisgender woman         2342 (26.8)         540 (25.6)           Genderqueer         1490 (17.1)         318 (15.1)           Man         2237 (25.6)         503 (23.9)           Non-binary         2414 (27.6)         534 (25.3)           Questioning         580 (6.6)         119 (5.6)           Transgender man         1266 (14.5)         296 (14.0)           Transgender woman         532 (6.1)         124 (5.9)           Two-spirit         126 (1.4)         44 (27.1)           Woman         2417 (27.7)         609 (28.9)           Another gender identities         5004 (57.3)         1058 (50.2)           Gender groups, No. (%)**         2         (52.2)         481 (22.8)           Cisgender man         2024 (23.2)         481 (22.			Exclude Sample
Participant characteristics         Analytic Sample         Outcome           Individuals, No.         8733         2109           States, No.9         45         45           Age, median (IQR), years         32.5 (26.0-45.0)         33.3 (26.3-45.6)           Gender Identity, No. (%)*         364 (4.2)         54 (2.6)           Agender         364 (4.2)         54 (2.6)           Cisgender woman         2342 (26.8)         540 (25.6)           Genderqueer         1490 (17.1)         318 (15.1)           Man         2237 (25.6)         503 (23.9)           Non-binary         2414 (27.6)         534 (25.3)           Questioning         580 (6.6)         119 (5.6)           Transgender man         1266 (14.5)         296 (14.0)           Transgender woman         532 (6.1)         124 (5.9)           Two-spirit         126 (1.4)         44 (2.1)           Woman         2417 (27.7)         609 (28.9)           Another gender identity         764 (8.7)         146 (6.9)           Selected multiple gender identities         5004 (57.3)         1058 (50.2)           Gender-diverse AFAB         2198 (25.2)         499 (23.7)           Gender-diverse AFAB         2198 (25.2)         499 (23.7)			
Individuals, No. States, No.	Participant characteristics	Analytic Sample	
States, No.®         45         45           Age, median (IQR), years         32.5 (26.0-45.0)         33.3 (26.3-45.6)           Gender Identity, No. (%)b         364 (4.2)         54 (2.6)           Agender         364 (4.2)         54 (2.6)           Cisgender man         1464 (16.8)         320 (15.2)           Cisgender woman         2342 (26.8)         540 (25.6)           Genderqueer         1490 (17.1)         318 (15.1)           Man         2237 (25.6)         503 (23.9)           Non-binary         2414 (27.6)         534 (25.3)           Questioning         580 (6.6)         119 (5.6)           Transgender man         1266 (14.5)         296 (14.0)           Transgender woman         532 (6.1)         124 (5.9)           Two-spirit         126 (1.4)         44 (2.1)           Woman         2417 (27.7)         609 (28.9)           Another gender identitity         764 (8.7)         146 (6.9)           Selected multiple gender identities         5004 (57.3)         1058 (50.2)           Gender groups, No. (%)°         (%)°         (%)°           Cisgender man         2024 (23.2)         481 (22.8)           Cisgender woman         2355 (27.0)         614 (29.1)			
Age, median (IQR), years       32.5 (26.0-45.0)       33.3 (26.3-45.6)         Gender Identity, No. (%) <sup>b</sup> 364 (4.2)       54 (2.6)         Agender       364 (4.2)       54 (2.6)         Cisgender man       1464 (16.8)       320 (15.2)         Cisgender woman       2342 (26.8)       540 (25.6)         Genderqueer       1490 (17.1)       318 (15.1)         Man       2237 (25.6)       503 (23.9)         Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%) <sup>c</sup> Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AFAB       321 (3.7)       87 (4.1)         Transgender man			
Gender Identity, No. (%) <sup>b</sup> 364 (4.2)         54 (2.6)           Cisgender man         1464 (16.8)         320 (15.2)           Cisgender woman         2342 (26.8)         540 (25.6)           Genderqueer         1490 (17.1)         318 (15.1)           Man         2237 (25.6)         503 (23.9)           Non-binary         2414 (27.6)         534 (25.3)           Questioning         580 (6.6)         119 (5.6)           Transgender man         1266 (14.5)         296 (14.0)           Transgender woman         532 (6.1)         124 (5.9)           Two-spirit         126 (1.4)         44 (2.1)           Woman         2417 (27.7)         609 (28.9)           Another gender identity         764 (8.7)         146 (6.9)           Selected multiple gender identities         5004 (57.3)         1058 (50.2)           Gender groups, No. (%) <sup>c</sup> Cisgender woman         2024 (23.2)         481 (22.8)           Cisgender woman         2024 (23.2)         481 (22.8)           Cisgender-diverse AFAB         2198 (25.2)         499 (23.7)           Gender-diverse AFAB         321 (3.7)         87 (4.1)           Transgender woman         1294 (14.8)         298 (14.1)           Transgender woman	· · · · · · · · · · · · · · · · · · ·		
Agender Cisgender man Cisgender woman Cisgender woman Cisgender woman Cisgender woman Cenderqueer 1440 (17.1) Man 2237 (25.6) Non-binary Cuestioning Transgender man 1266 (14.5) Transgender woman 1266 (14.4) Transgender woman 1266 (14.4) Transgender woman 1266 (14.5) Toler (14.0) Transgender woman 1266 (14.5) Tenster (14.0) Two-spirit 126 (1.4) Woman 12417 (27.7) Cop (28.9) Another gender identity Toler (14.7) Toler (15.3) Toler (15.4) Toler		0=10 (=010 1010)	(2010 (2010 1010)
Cisgender man       1464 (16.8)       320 (15.2)         Cisgender woman       2342 (26.8)       540 (25.6)         Genderqueer       1490 (17.1)       318 (15.1)         Man       2237 (25.6)       503 (23.9)         Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       (%)°         Cisgender woman       2024 (23.2)       481 (22.8)         Cisgender woman       2024 (23.2)       481 (22.8)         Cisgender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       (%)°         Asexual	• • • • • • • • • • • • • • • • • • • •	364 (4.2)	54 (2.6)
Cisgender woman       2342 (26.8)       540 (25.6)         Genderqueer       1490 (17.1)       318 (15.1)         Man       2237 (25.6)       503 (23.9)         Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       ***         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       ***         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)		` ,	
Genderqueer       1490 (17.1)       318 (15.1)         Man       2237 (25.6)       503 (23.9)         Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AFAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       2872 (32.9)       652 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       303 (34.7)       727 (34.5)		` ,	` ,
Man       2237 (25.6)       503 (23.9)         Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       ***         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       ***         Asexual       1063 (12.2)       190 (9.0)         Bisexual       287 (23.9)       652 (30.9)         Gay       3301 (34.7)       727 (34.5)         Lesbian       2154 (24.7) <t< td=""><td></td><td>` ,</td><td>` ,</td></t<>		` ,	` ,
Non-binary       2414 (27.6)       534 (25.3)         Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       2       481 (22.8)         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       2872 (32.9)       652 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)	•	` ,	` ,
Questioning       580 (6.6)       119 (5.6)         Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       2       481 (22.8)         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       2872 (32.9)       652 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)      <		` ,	` ,
Transgender man       1266 (14.5)       296 (14.0)         Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       8       1058 (50.2)         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       8         Sexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning <t< td=""><td></td><td>` ,</td><td>` ,</td></t<>		` ,	` ,
Transgender woman       532 (6.1)       124 (5.9)         Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual			
Two-spirit       126 (1.4)       44 (2.1)         Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       2024 (23.2)       481 (22.8)         Cisgender man       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)			, ,
Woman       2417 (27.7)       609 (28.9)         Another gender identity       764 (8.7)       146 (6.9)         Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       2024 (23.2)       481 (22.8)         Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       322 (32.9)       652 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)     <			
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Selected multiple gender identities       5004 (57.3)       1058 (50.2)         Gender groups, No. (%)°       Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)°       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)		` ,	, ,
Gender groups, No. (%)°       2024 (23.2)       481 (22.8)         Cisgender man       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       303 (12.2)       190 (9.0)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	•	` ,	
Cisgender man       2024 (23.2)       481 (22.8)         Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%) <sup>b</sup> 342 (32.9)       652 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)			,
Cisgender woman       2355 (27.0)       614 (29.1)         Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%) <sup>b</sup> 362 (30.9)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	• • • • •	2024 (23.2)	481 (22.8)
Gender-diverse AFAB       2198 (25.2)       499 (23.7)         Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%) <sup>b</sup> 303 (12.2)       190 (9.0)         Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	•	` ,	` ,
Gender-diverse AMAB       321 (3.7)       87 (4.1)         Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%) <sup>b</sup> 1063 (12.2)       190 (9.0)         Asexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	•	` ,	` ,
Transgender man       1294 (14.8)       298 (14.1)         Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       1063 (12.2)       190 (9.0)         Asexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Gender-diverse AMAB	` ,	` ,
Transgender woman       541 (6.2)       130 (6.2)         Sexual Orientation, No. (%)b       1063 (12.2)       190 (9.0)         Asexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Transgender man		
Sexual Orientation, No. (%)b       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)		` ,	, ,
Asexual       1063 (12.2)       190 (9.0)         Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	· · · · · · · · · · · · · · · · · · ·	,	,
Bisexual       2872 (32.9)       652 (30.9)         Gay       3031 (34.7)       727 (34.5)         Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Asexual	1063 (12.2)	190 (9.0)
Lesbian       2154 (24.7)       572 (27.1)         Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Bisexual		
Pansexual       1655 (19.0)       403 (19.1)         Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Gay	3031 (34.7)	727 (34.5)
Queer       4065 (46.5)       923 (43.8)         Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Lesbian	2154 (24.7)	572 (27.1)
Questioning       332 (3.8)       73 (3.5)         Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Pansexual	1655 (19.0)	403 (19.1)
Same-gender loving       609 (7.0)       144 (6.8)         Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Queer	4065 (46.5)	923 (43.8)
Straight/Heterosexual       197 (2.3)       53 (2.5)         Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Questioning	332 (3.8)	73 (3.5)
Two-spirit       72 (0.8)       27 (1.3)         Another sexual orientation       466 (5.3)       86 (4.1)	Same-gender loving		
Another sexual orientation 466 (5.3) 86 (4.1)	Straight/Heterosexual	197 (2.3)	53 (2.5)
` /		72 (0.8)	27 (1.3)
	Another sexual orientation	466 (5.3)	86 (4.1)
1002 (40.0)	Selected multiple orientations	4610 (52.8)	1032 (48.9)
Ethnoracial Identity, No. (%) <sup>b</sup>	Ethnoracial Identity, No. (%) <sup>b</sup>		
American Indian or Alaska Native 311 (3.6) 94 (4.5)	American Indian or Alaska Native	311 (3.6)	94 (4.5)
Asian 467 (5.3) 121 (5.7)	Asian	467 (5.3)	121 (5.7)
Black, African American or African 413 (4.7) 139 (6.6)	Black, African American or African	413 (4.7)	139 (6.6)
Hispanic, Latino or Spanish 646 (7.4) 205 (9.7)	Hispanic, Latino or Spanish	646 (7.4)	205 (9.7)
Middle Eastern or North African 133 (1.5) 31 (1.5)		133 (1.5)	31 (1.5)
Native Hawaiian or other Pacific Islander 25 (0.3) 4 (0.2)	Native Hawaiian or other Pacific Islander	` ,	
White 7884 (90.3) 1827 (86.6)	White	7884 (90.3)	1827 (86.6)

Another ethnoracial identity	179 (2.0)	47 (2.2)
Selected multiple ethnoracial identities	1117 (12.8)	291 (13.8)
Annual household income, No. (%)		
\$0-20,000	1200 (13.7)	149 (7.1)
\$20,001-50,000	2025 (23.2)	221 (10.5)
\$50,001-100,000	2352 (26.9)	233 (11.0)
\$100,000+	2639 (30.2)	292 (13.8)
Missing	517 (5.9)	1214 (57.6)
Living in a state with Medicaid expansion in 2020, No. (%)	6803 (77.9)	1624 (77.0)

AQ, annual questionnaire; IQR, interquartile range; AFAB, assigned female at birth; AMAB, assigned male at birth

<sup>&</sup>lt;sup>a</sup> "States" refer to all 50 US states and the District of Columbia (Washington, DC). Six states were not represented in our sample due to missing data: Hawaii, Mississippi, Montana, North Dakota, South Dakota, and Wyoming.

<sup>&</sup>lt;sup>b</sup> Percentages may sum to greater than 100% as participants may select more than one response category.

<sup>&</sup>lt;sup>c</sup> Gender groups reflect how participants identified when prompted to select one out of several mutually exclusive gender identity categories.

**eTable 2.** List of "Exposed" and "Comparison" States Based on Enactment of Anti-Gender Minority Policies From June 1, 2020 to June 1, 2023 Used in the Primary Difference-in-Differences Model.

Enacted during the Annual Questionnaire (AQ) 2020 <sup>a</sup> administration period [June 1, 2020 – June 30, 2021]	Comparison states
Alabama, Arkansas, Idaho, Tennessee, West Virginia	Alaska, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Illinois, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, Wisconsin
Enacted during the AQ 2021 administration period [July 1, 2021 – May 31, 2022]	Comparison states
Arizona, Florida, Indiana, Iowa, Kentucky, Louisiana, Oklahoma, South Carolina, Texas, Utah	Alaska, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Illinois, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, Wisconsin

<sup>&</sup>lt;sup>a</sup> While Idaho enacted their first anti-gender minority policy in March 2020, they were included in the AQ 2020 "treatment" or exposed group for the primary analysis. Sensitivity analyses examined how robust estimates were after excluding participants residing in Idaho from models.

**eTable 3.** GAD-7, PHQ-9, and PCL-6 Scores Across Survey Year and by Policy Exposure Group Among *Sexual and Gender Minority* Participants in The PRIDE Study, April 2020 – June 2023.

		AQ 2020-enacted, AQ 2021-effective policies	AQ 2021-enacted, AQ 2022-effective policies	Comparison states
Individuals, No.	•	314	1470	6949
States, No.a		5	10	30
Mental Health	AQ administration	Mara Madian OD	Mana Madian OD	Mean, Median,
Symptoms	period	Mean, Median, SD	Mean, Median, SD	SD
GAD-7	2019	6.72, 5, 6.13	7.42, 7, 5.68	6.87, 6, 5.46
	2020	7.17, 7, 5.44	7.26, 6, 5.42	7.14, 6, 5.53
	2021	7.00, 5, 5.89	6.62, 6, 5.37	6.08, 5, 5.26
	2022	7.30, 6, 6.24	7.34, 7, 5.60	6.21, 5, 5.33
PHQ-9	2019	8.43, 8, 5.94	9.13, 8.5, 6.43	7.87, 7, 5.98
	2020	9.01, 8, 6.64	9.01, 8, 6.32	8.74, 8, 6.36
	2021	8.86, 7, 6.78	8.26, 7, 6.33	7.45, 6, 6.03
	2022	9.23, 8.5, 6.91	8.68, 8, 6.30	7.51, 6, 6.07
PCL-6	2019	13.97, 13, 5.46	14.55, 14, 5.23	13.96, 13, 5.20
	2020	14.38, 13, 5.34	14.53, 14, 5.25	14.58, 14, 5.49
	2021	14.30, 13, 5.92	13.95, 13, 5.47	13.49, 13, 5.28
	2022	14.84, 14, 6.44	14.52, 14, 5.52	13.60, 13, 5.37

AQ, annual questionnaire; GAD-7, Generalized Anxiety Disorder scale; PCL-6, Posttraumatic Stress Disorder Checklist; PHQ-9, Patient Health Questionnaire; SD, standard deviation. a "States" refer to all 50 US states and the District of Columbia (Washington, DC).

**eTable 4.** GAD-7, PHQ-9, and PCL-6 Scores Across Survey Year and by Policy Exposure Group Among *Gender Minority* Participants in The PRIDE Study, April 2020 – June 2023.

		AQ 2020-enacted, AQ 2021-effective policies	AQ 2021-enacted, AQ 2022-effective policies	Comparison states
Individuals, No		167	709	3478
States, No.a		5	10	30
Mental Health	AQ administration			
Symptoms	period	Mean, Median, SD	Mean, Median, SD	Mean, Median, SD
GAD-7	2019	8.31, 7, 7.02	8.78, 8, 5.79	8.28, 7, 5.56
	2020	8.77, 9, 5.46	8.58, 8, 5.64	8.49, 8, 5.59
	2021	8.41, 7, 6.00	7.88, 7, 5.37	7.47, 6, 5.46
	2022	8.62, 7, 6.16	8.26, 7, 5.49	7.66, 7, 5.50
PHQ-9	2019	10.59, 10.5, 5.97	10.98, 10, 6.37	9.66, 9, 6.12
	2020	11.00, 10.5, 6.83	10.25, 10, 6.52	10.47, 10, 6.40
	2021	10.40, 9, 6.67	9.85, 9, 6.45	9.22, 8, 6.24
	2022	10.48, 10, 7.00	9.61, 9, 6.15	9.18, 8, 6.26
PCL-6	2019	15.28, 14, 5.77	15.97, 16, 5.19	15.57, 15, 5.21
	2020	15.94, 15, 5.78	15.97, 16, 5.09	16.21, 16, 5.35
	2021	15.71, 15, 5.78	15.52, 15, 5.33	15.20, 14, 5.30
	2022	16.24, 16, 6.31	15.97, 15, 5.19	15.36, 15, 5.39

AQ, annual questionnaire; GAD-7, Generalized Anxiety Disorder scale; PCL-6, Posttraumatic Stress Disorder Checklist; PHQ-9, Patient Health Questionnaire; SD, standard deviation. <sup>a</sup> "States" refer to all 50 US states and the District of Columbia (Washington, DC).

**eTable 5.** Results From Sensitivity Analyses Among Sexual and Gender Minority and Gender Minority Participants in The PRIDE Study, April 2020 – June 2023.

	Mental Health	Sexual and Gender Minority Participants	Gender Minority Participants
	<b>Symptoms</b>	Coef (95% CI)	Coef (95% CI)
		n = 8733	n = 4354
Two-way Fixed Effects	GAD-7	0.51 (0.21, 0.81)	0.39 (-0.01, 0.78)
	PHQ-9	0.29 (-0.16, 0.74)	0.17 (-0.49, 0.85)
	PCL-6	0.35 (0.05, 0.66)	0.35 (-0.02, 0.72)
		n = 8693	n = 4330
Excluding Idaho from AQ	GAD-7	0.77 (0.13, 1.40)	0.46 (-0.40, 1.32)
2020 exposure group	PHQ-9	0.56 (-0.17, 1.28)	-0.06 (-1.12, 1.00)
	PCL-6	0.76 (0.16, 1.36)	0.58 (-0.25, 1.41)
		n = 8733	n = 4354
Never- & not-yet-	GAD-7	0.76 (0.13, 1.39)	0.48 (-0.38, 1.34)
exposed included in	PHQ-9	0.56 (-0.17, 1.28)	-0.05 (-1.12, 1.03)
comparison group	PCL-6	0.73 (0.11, 1.35)	0.56 (-0.28, 1.39)

AQ, annual questionnaire; CI, confidence interval; GAD-7, Generalized Anxiety Disorder scale; PCL-6, Posttraumatic Stress Disorder Checklist; PHQ-9, Patient Health Questionnaire.