

#### **Health Forum**

### Rapid synthesis appendices

### **Appendices**

- 1) Methodological details (Appendix 1)
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# policies and practices

Health impacts of 2SLGBTQI+ social

### **18 December 2024**

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### **Appendix 1: Methodological details**

#### Background to the rapid synthesis

This rapid synthesis mobilizes both global and local research evidence about a question submitted to the McMaster Health Forum's Rapid Response program. Whenever possible, the rapid synthesis summarizes evidence drawn from existing evidence syntheses and from single research studies in areas not covered by existing evidence syntheses and/or if existing evidence syntheses are old or the science is moving fast. A systematic review is a summary of studies addressing a clearly formulated question that uses systematic and explicit methods to identify, select and appraise research studies, and to synthesize data from the included studies. The rapid synthesis does <u>not</u> contain recommendations, which would have required the authors to make judgments based on their personal values and preferences.

The Forum produces timely and demand-driven contextualized evidence syntheses such as this one that address pressing health and social system issues faced by decision-makers (see our website for more details and examples - <a href="https://www.mcmasterforum.org/find-domestic-evidence/contextualized-es">www.mcmasterforum.org/find-domestic-evidence/contextualized-es</a>). This includes evidence syntheses produced within:

- days (e.g., rapid evidence profiles or living evidence profiles)
- weeks (e.g., rapid syntheses that at a minimum include a policy analysis of the best-available evidence which can be requested in a 10-, 30-, 60- or 90-business-day timeframe)
- months (e.g., full evidence syntheses or living evidence syntheses with updates and enhancements over time)

This rapid synthesis was prepared over a 30-business day timeframe and involved the following steps:

- submission of a question from a policymaker or stakeholder (in this case, the Public Health Agency of Canada (PHAC)
- 2) engaging subject-matter experts
- 3) identifying, selecting, appraising and synthesizing relevant research evidence about the guestion
- 4) drafting the rapid synthesis in such a way as to present concisely and in accessible language the research evidence.

#### **Engaging subject matter experts**

At the beginning of each rapid synthesis and throughout its development, we engage one or more subject-matter experts who help us to scope the question and ensure relevant context is taken into account in the summary of the evidence.

#### Identification, selection, quality appraisal and synthesis of evidence

For this rapid synthesis, we searched PubMed, Web of Science and BioRxiv for:

- 1) evidence syntheses
- 2) protocols for evidence syntheses that are underway
- 3) single studies.

We engaged a library scientist from the Health Information Research Unit at McMaster University to conduct keyword searches in PubMed, Web of Science and BioRxiv and identify potentially relevant documents using the terms 'social policy,' 'legislation,' 2SLGBTQI+ identities, 'health outcomes' (including mental health, alcohol/substance use, suicidality, STIs, gender-based violence, etc.), 'primary care' and related terms. All searches were done in French and English. The full search strategy, including the returned number of results for each database, can be made available upon request.

Covidence software was used to manage citation and full-text screening. A final inclusion assessment was performed by the lead authors of the rapid synthesis, with disagreements resolved by consensus or with the input of a third reviewer on the team. Our team used a dedicated virtual channel to discuss and iteratively refine inclusion/exclusion criteria throughout the process, which provided a running list of considerations that all members could consult during the first stages of assessment.

For each included evidence synthesis, we documented the dimension of the organizing framework with which it aligns, key findings, living status, methodological quality (using AMSTAR), last year the literature was searched (as an indicator of how recently it was conducted), availability of GRADE profile, and equity considerations using PROGRESS+.

Two reviewers independently appraised the methodological quality of evidence syntheses that were deemed to be highly relevant using the first version of the AMSTAR tool. Two reviewers independently appraised each synthesis, and disagreements were resolved by consensus with a third reviewer if needed. AMSTAR rates overall methodological quality on a scale of 0 to 11, where 11/11 represents a review of the highest quality. High-quality evidence syntheses are those with scores of eight or higher out of a possible 11, medium-quality evidence syntheses are those with scores between four and seven, and low-quality evidence syntheses are those with scores less than four. It is important to note that the AMSTAR tool was developed to assess evidence syntheses focused on clinical interventions, so not all criteria apply to those pertaining to health-system arrangements or implementation strategies. Furthermore, we apply the AMSTAR criteria to evidence syntheses addressing all types of questions, not just those addressing questions about effectiveness, and some of these evidence syntheses addressing other types of questions are syntheses of qualitative studies. While AMSTAR does not account for some of the key attributes of syntheses of qualitative studies, such as whether and how citizens and subject-matter experts were involved, researchers' competency, and how reflexivity was approached, it remains the best general quality-assessment tool of which we're aware. Where the denominator is not 11, an aspect of the tool was considered not relevant by the raters. In comparing ratings, it is therefore important to keep both parts of the score (i.e., the numerator and denominator) in mind. For example, an evidence synthesis that scores 8/8 is generally of comparable quality to another scoring 11/11; both ratings are considered 'high scores.' A high score signals that readers of the evidence synthesis can have a high level of confidence in its findings. A low score, on the other hand, does not mean that the evidence synthesis should be discarded, merely that less confidence can be placed in its findings and that it needs to be examined closely to identify its limitations. (Lewin S. Oxman AD, Lavis JN, Fretheim A. SUPPORT Tools for evidence-informed health Policymaking (STP): 8. Deciding how much confidence to place in a systematic review. Health Research Policy and Systems 2009; 7 (Suppl1):S8).

For each identified single study, we documented the dimension of the organizing framework with which it aligns, study characteristics (publication date, jurisdiction studied, methods used), declarative title and key findings, and equity considerations using PROGRESS+. We then used this extracted information to develop a synthesis of the key findings from the included syntheses and primary studies.

We do not exclude documents based on the language of a document. However, we are not able to extract key findings from documents that are written in languages other than Chinese, English, French, Portuguese or Spanish. We provide any documents that do not have content available in these languages in an appendix containing documents excluded at the final stages of reviewing. We excluded documents that did not directly address the research questions and the relevant organizing framework. All of the information provided in the appendix tables was taken into account by the authors in describing the findings in the rapid synthesis.

#### Additional evidence searches of grey literature sources

For additional context on the research questions, we searched relevant government and stakeholder websites, including ILGA World, WHO, and the UN Independent Expert on sexual orientation and gender identity. IGLA World is the International Lesbian, Gay, Bisexual, Trans, and Intersex Association, an evidence-based global advocacy group and an ECOSOC consultant for the UN on 2SLGBTQI+ human rights. Their database compiles laws and news about SOGIESC issues around the globe. WHO resources on SOGIESC health considerations, as well as the Independent Experts' reports in the last 10 years were also consulted. In Canada, a similar approach was used, which involved searching the websites of Egale (the leading 2SLGBTQI+ advocacy and education organization in Canada), Community-Based Research Centre (a Vancouver research centre focused on the diversity of gender and sexualities), and a special collection of publications on 2SLGBTQI+ policy/health called *Advancing 2S/LGBTQ+ Health Equity: A Call for Structural Action*. The selection of relevant government and stakeholder websites was informed by recommendations from subject matter experts to ensure the searches were comprehensive. These resources, as well as returned searches that did not meet the inclusion criteria, have been listed in Appendix 5 as valuable contextual information.

# Appendix 2: Key findings from highly relevant evidence documents on 2SLGBTQI+ social policies and practices

2SLGBTQI+ social policy intervention	Key findings from evidence documents
Human rights legislation	Awareness of protective legislation in Washington State, United States (U.S.) (e.g., Washington Law
	Against Discrimination) decreased the likelihood of depression and anxiety symptoms in transgender
	individuals, especially if they were not concerned about losing their rights.(1)
	<ul> <li>Human rights standards in corrections policies in both Australia and New Zealand have not adequately</li> </ul>
	accounted for gender-based discrimination and human rights violations, which have been linked to
	increased risks of mental illness, self-harm, and suicide among incarcerated transgender people. The
	findings suggest that protective human rights legislation can positively regulate health outcomes but can
	also contribute to worsening population health outcomes if they are too restrictive or not inclusive of
	transgender individuals at all.(2)
Same-sex legislation	The social stigma associated with a lack of marriage equality in New Zealand and Australia had
	detrimental health impacts on LGBTI people, including higher rates of depression, anxiety, and suicide
	among LGBTI adolescents and reduced mental health in LGBTI adults.(3) (low-quality evidence
	synthesis)
	After same-sex marriage was legalised in Australia through the 2017 Marriage Law, one 2020 study    Study
	highlighted the significant improvement in mental health outcomes in LGBTQ+ people following approval of the legislation when compared to the mental distress observed while the legislation was being
	debated.(4)
	• The legalisation of same-sex marriage in the U.K. in 2014 appeared to improve the physical functioning
	of ethnic minority LGB+ individuals relative to ethnic heterosexual and British white LGB+ individuals
	over the span of five years, suggesting that same-sex marriage legislation may address racial health
	inequalities within this population.(5)
	After same-sex marriage was legalized in all U.S. states, stigma-related concerns among sexual
	minority women were significantly higher among participants who identified as single and as
	gueer/something else, and family support, which differed by race and ethnicity, was predictive of self-
	perceived health and lower odds of depression.(6)
	Same-sex marriage legislation was associated with a statistically significant decline in suicide attempts
	in high school students in the U.S. identifying as sexual minorities.(7)
	• Legalisation of same-sex marriage in the U.S. was reported to significantly reduce rates of syphilis, HIV,
	and AIDS, with the reductions driven by increased relationship commitment, greater societal tolerance,
	reduced risky behaviours, and expanded access to antiretroviral therapies.(8)

2SLGBTQI+ social policy intervention	Ke	y findings from evidence documents
	•	Measures that assess the personal and LGBTQ community impact, stigma-related concerns and
		political and social environment resulting from legalized same-sex marriage among can be useful for
		tracking changes in health behaviours and perceptions related to same-sex marriage.(9)
Criminal code legislation amendments/Changes	•	Sexual and gender minority (SGM) people in the Netherlands, a country with more supportive SGM
to discriminatory policies		policies, reported fewer mental health concerns and substance use issues than SGM people in other,
		<u>less progressive countries</u> .(10) (low-quality evidence synthesis)
	•	In the U.S., affirming transgender-specific policies, such as explicit anti-bullying and anti-discrimination
		guidance and positive or neutral athlete guidance, were associated with reduced depressive symptoms
		and cigarette use among transgender adolescents.(11)
	•	More protective state-level policy environments in the U.S. were linked to higher reports of past-year
		discrimination among cisgender sexual minority people and gender-expansive gender minority people,
		suggesting that protective policies alone do not eliminate discrimination or victimization for sexual and
O and an affirmation to still after	<u> </u>	gender minority individuals.(12)
Gender-affirming legislation	•	Rejection of the 2020 Zan Bill that aimed to combat discrimination based on sex, gender, sexual
		orientation, gender identity, and disability by the Senate in October 2021 triggered feelings of fear,
		anxiety, and depression among LGBTQIAPK+ individuals, leading to worsened overall health outcomes.  There were also reports of increased levels of discrimination experienced after the bill was rejected,
		highlighting the sensitivity of health outcomes among the LGBTQIAPK+ population to changes in
		discriminatory policies.(13)
	•	A latent gender affirmation variable was created that aimed to represent all components of gender
		affirmation, and it was found that as a whole, gender affirmation can mitigate the association between
		discrimination and suicide/psychological distress, as well as encourage healthcare engagement (e.g.
		HIV testing).(14)
	•	Gender markers were associated with reduced gender-based mistreatment, anxiety, depression, and
		psychiatric distress, and the likelihood of having changed gender markers was impacted by education-
		level, completion of gender-affirming procedures (medical component), and transgender or non-binary
		identity.(15)
	•	A legal name change may reduce discrimination, social rejection, depressive symptoms, and social
		anxiety for transgender and gender diverse people, but it can also be mediated by sociodemographic
		factors (income).(16)
	•	Following the implementation of a gender identity non-discrimination law in Massachusetts that did not
		apply to public accommodations (such as healthcare settings), the likelihood of public accommodation
		discrimination was increased with visual gender non-conformity and was associated with greater
		emotional (e.g. depression) and physical symptoms, as well as increased difficulty receiving medical
	<u> </u>	<u>diagnoses and a decrease in healthcare utilization linked to fear and anxiety</u> .(17)

2SLGBTQI+ social policy intervention	Key findings from evidence documents
Development and implementation of	Supportive school practices and policies is associated with better psychosocial outcomes in both
2SLGBTQI+-focused strategic policy directions	heterosexual and sexually diverse adolescents and staff. (18)
or action plans	State-level non-discrimination policies were associated with reductions or no change in suicidality and
	mental health hospitalizations among gender minority individuals, suggesting these policies may help
	reduce barriers to care and mitigate discrimination.(19)
	<ul> <li>State level policy that provides protection on sexual orientation can improve HIV outcomes, including</li> </ul>
	diagnoses, late diagnoses, and AIDS mortality.(20)
Access to/restrictions on gender-affirming	<ul> <li>Access to care for Veterans navigating gender-affirming surgery in the U.S. was hindered by both</li> </ul>
procedures or therapies	structural and personal barriers, including limited availability of surgeons and gaps in mental health/post-
	operative care (structural), as well as lack of caregiving support and insufficient awareness of resources
	(personal). Updates to the medical benefits package for Veterans were recommended to increase
	accessibility of gender-affirming procedures/therapies.(21)
Lifting of bans on 2SLGBTQI+ people in the	Prior to 1992 when discrimination of sexual minorities was no longer legally sanctioned in the Canadian
military	military, women who identified as lesbian were forced to adopt cognitive and behavioural coping
	strategies (e.g., presenting themselves as heterosexual, numbing themselves with alcohol) after being
	subject to relentless military surveillance and interrogations; these coping strategies led to short- and
	long-term health effects, including stress, depression, physical exhaustion, substance abuse, and social
Characterizations in valuing moultiple conict	isolation.(22)
Structural stigma involving multiple social policies and practices	Structural stigma affects how a person shapes their identity and the resources available to them in that     federal and state policies office time religious prostings health agree and the indicate and the
policies and practices	federal and state policies affecting religious practices, healthcare, employment, media, and the judicial system can have a direct and significant impact on the physical and mental health outcomes of
	2SLGBTQI+ populations.(23) (medium-quality evidence synthesis)
	<ul> <li>Sexual minorities living in U.S. states with higher levels of structural stigma experienced greater strain in</li> </ul>
	friendships and family relationships, and higher levels of loneliness when facing discrimination while for
	those in states with more supportive policies, these negative effects were significantly reduced.(24)
	State-level structural transphobia in the U.S., in the form of discriminatory laws and policies, is
	associated with greater psychological distress, suicidal thoughts, suicide plans, and suicide attempts in
	transgender adults.(25)
	Sexual minority men in U.S. states with high structural stigma and increased right and protection-limited
	policies had significantly higher physiological stress levels compared to sexual minority men in low
	structural stigma states, but no association was found for sexual minority women.(26)
	• Higher state-level structural stigma, including lack of sexual orientation-inclusive state laws, is
	associated with higher levels of internalized and externalized stigma symptoms for LGB youth, whereas
	this association is not seen in U.S. states with low levels of state-level structural stigma.(27)

2SLGBTQI+ social policy intervention	Key findings from evidence documents
	Factors such as state policies and ethnic density can positively or negatively influence the daily
	experiences of Latino sexual minority men in the U.S., with interaction between friend support and the
	size of the Latino population being associated with increased problematic alcohol use while partner
	support combined with supportive LGBTQ+ policies was associated with reduced problematic
	drinking.(28)
	<ul> <li>In addition to reducing discriminatory laws and policies, interventions that strengthen community</li> </ul>
	resilience may help mitigate adverse mental health impacts of structural stigma in sexual and gender
	minorities (SGM) populations in the U.S.(29)
	European environments with lower structural stigma (e.g. supportive country-level attitudes toward)
	sexual minorities, protective human rights legislation and/or a lack of discriminatory legislation) were
	associated with better 2SLGBTQI+ mental health outcomes, such as lower reported rates of depression
	and suicidality. Larger effects were observed with longer exposure to these low-stigma environments,
	even with previous exposure to high-stigma countries. (30)
	Improvements in country-level structural stigma in 28 European countries over seven years were
	associated with increased life satisfaction among sexual minority individuals (especially in countries with
	higher initial stigma), with those in relationships reporting greater improvements in life satisfaction. (31)
	While addressing restrictive policies may have some impact on the health of 2SLGBTQI+ populations,     shanging religious along may not be analyzed to improve mostal health autoomas among several minerities.
	changing policies alone may not be enough to improve mental health outcomes among sexual minorities
	who have experienced structural stigma.(32)
	More protective state-level policies were linked to higher reports of past-year discrimination among     signander sexual minority people and gender expansive gender minority people, but protective policies.
	cisgender sexual minority people and gender-expansive gender minority people, but protective policies alone do not eliminate discrimination or victimization for sexual and gender minority.(12)
	aione do not eliminate discrimination or victimization for sexual and gender minority (12)

# Appendix 3: Detailed data extractions from each identified evidence synthesis

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Living status	Quality (AMSTAR)	Last year literature searched	Availability of GRADE profile	Equity considerations
Key social-policy interventions     Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups     Level of policy intervention     Provincial/state     Federal/national     2SLGBTQI+ group(s) affected     Two Spirit     Lesbian     Gay     Bisexual     Transgender     Queer/questioning     Intersex     Asexual     Non-binary     Gender fluid     Health-related outcomes     Access to health services	<ul> <li>Structural stigma is associated with adverse health effects by affecting the resources available to LGBTQ+ groups through their environment; additional research is needed to better understand these mechanisms and how they can be mitigated (23)</li> <li>This study explored the consequences of LGBTQ+ structural stigma and identified that federal and state policies affecting religious practices, healthcare, employment, media, and the judicial system directly affect the health of the LGBTQ+ populations</li> <li>The evidence synthesis identified several associations between objective measures of structural stigma (primarily at the national or state level) and mental, behavioural and physical health outcomes</li> <li>There is insufficient research quantifying or exploring the mechanisms on how structural stigma at all levels, including within local institutions and organisations, directly and indirectly affect the health of LGBTQ+ people and what measures of structural stigma need to be developed that are specific for LGBTQ+ subgroups</li> <li>Possible mechanisms include internalized stigma, hesitancy or fear in seeking healthcare services, biopsychosocial risk factors (social isolation), earning capacity, and family structures</li> </ul>	High	No	5/9 (AMSTAR rating by McMaster Health Forum)	Not stated	No	Gender/sex
Key social-policy interventions     Same-sex marriage legislation     Level of policy intervention     Provincial/state     Federal/national     2SLGBTQI+ group(s) affected     Two Spirit     Lesbian     Gay     Bisexual     Transgender	The legalization of same-sex marriage in New Zealand and Australia was associated with better physical and mental health outcomes among LGBTI individuals.(3)  Marriage influences positive health outcomes including less distress for same-sex and heterosexual married couples  The social stigma associated with a lack of marriage equality has detrimental health impacts  Stigma against LGBTI people is reflected in higher rates of depression, anxiety, and suicide among LGBTI adolescents in addition to reduced mental health in LGBTI adults  Higher rates of psychiatric disorders were observed among lesbian, gay, and bisexual adults in U.S. states that banned same-sex marriage	High	No	1/9 (AMSTAR rating by McMaster Health Forum)	2015	No	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Living status	Quality (AMSTAR)	Last year literature searched	Availability of GRADE profile	Equity considerations
<ul> <li>Intersex</li> <li>Health-related outcomes</li> <li>Anxiety or severe         psychological distress</li> <li>Depression</li> <li>Self-reported mental and         physical health</li> <li>Suicide ideation attempt</li> <li>Death by suicide</li> <li>Sexually transmitted and         blood-borne infections         (STBBI)</li> </ul>	Higher incidence of HIV and syphilis was also observed						
Key social-policy interventions     Criminal code legislation amendments     Changes to discriminatory policies     Level of policy intervention     Federal/national     2SLGBTQI+ group(s) affected     Lesbian     Gay     Bisexual     Transgender     Age groups/generations     Elder adults (75+)     Older adults (60-75)     Ages 30-59     Young adults (18-29)     Under 18     Health-related outcomes     Anxiety or severe psychological distress     depression     Self-reported mental and physical health     Substance use	In the Netherlands, a sexual and gender minority (SGM)-friendly country, SGM people report fewer mental health concerns and substance use issues than SGM people in other less progressive countries, although they still experience higher rates compared to heterosexual individuals. (10)  The review examined the factors that contribute to sexual and gender minority (SGM) mental health concerns and substance use in Netherlands, which has a long history of SGM supportive policies  The review found that there is some evidence suggesting that SGM people in the Netherlands report fewer mental health concerns and lower substance use compared to SGM people in less progressive countries  However, mental health concerns and substance use was higher overall in SGM people compared to heterosexual people  The researchers highlight the need for more research for underrepresented population groups to provide guidance to improve the health of SGM people	High	No	3/9 (AMSTAR rating by McMaster Health Forum)	2022	No	Gender/sex

# Appendix 4: Detailed data extractions from each identified single study

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Same-sex marriage legislation</li> <li>Level of policy intervention</li> <li>Federal/national</li> <li>2SLGBTQI+ group(s) affected</li> <li>Two Spirit</li> </ul>	In the U.K., same-sex marriage legislation appeared to improve the physical functioning of ethnic minority LGB+ individuals relative to ethnic heterosexual and British white LGB+ individuals over the span of five years, indicating that same-sex marriage legislation can have positive health impacts on ethnic LGB+ individuals and address racial health inequalities within this population(5)  The Marriage Act, which legalised same-sex marriage, came into effect in England and Wales on 29 March 2014 and subsequently, same-sex marriage was legalized in Scotland (December 2014) and North Ireland (January 2020)  Data was collected between 2011 and 2019 involving participants ages 16 years and older who identified as heterosexual, gay, bisexual or other  Treatment group: ethnic minority, non-heterosexual (LGB+) individuals  Control groups: 1) ethnic minority heterosexual individuals, 2) British white LGB+ individuals  Overall, same-sex marriage legislation was shown to improve the physical health of the treatment group relative to the two control groups over the span of five years, but there were no differences observed in longstanding illness and psychological distress  The researchers concluded that the health improvements observed likely reflected the immediate effects of legal recognition and societal shifts in LGBTQ+ acceptance	High	Publication date: September 2024  Jurisdiction studied: United Kingdom  Methods used: Quasiexperimental study	Race/ethnicit y/culture/ language     Gender/sex
<ul> <li>Same-sex marriage legislation</li> </ul>	Measures that assess the personal and LGBTQ community impact, stigma-related concerns and political and social environment resulting from legalized same-sex marriage among sexual minority women can be useful	High	Publication date: June 2021  Jurisdiction studied: United States	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
2SLGBTQI+ group(s) affected     Lesbian     Gay     Bisexual     Transgender     Queer/questioning      Other priority groups affected     Gender modality     Transgender men and women     Non-binary     Racialized communities	for tracking changes in health behaviours and perceptions related to same- sex marriage(9)  This study aimed to develop the psychometric properties of measures to assess how legalized same-sex marriage has impacted sexual minority women (SMW)  Psychometric properties of measures were assessed in a sample of 446 SMW from a parent study of 732 participants 18 years or older who identified as lesbian, bisexual, queer or female were included  Item development was informed by in-depth interviews and a national online survey  Based on interviews and survey results, five domains were developed, and psychometric properties of these domains were assessed: 1) personal impact, 2) couple impact, 3) stigma-related concerns, 4) LGBTQ community impact, 5) political and social environment  The strongest scales measured perceived personal impact of legalized same-sex marriage and concerns about structural stigma, i.e. personal impact, stigma-related concerns, and political and social environmental scales		Methods used: Qualitative interviews and survey	
<ul> <li>Key social-policy interventions         <ul> <li>Same-sex marriage legislation</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Federal/national</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> <li>Intersex</li> </ul> </li> <li>Other priority groups affected         <ul> <li>Gender modality</li> <li>Transgender men and women</li> <li>Non-binary</li> <li>Racialized communities</li> <li>Age groups/generations</li> <ul> <li>Elder adults (75+)</li> <li>Older adults (60-75)</li> <li>Ages 30-59</li> <li>Young adults (18-29)</li> </ul> </ul></li> <li>Health-related outcomes</li> </ul>	Following the legalization of same-sex marriage in the U.S., the perception of sexual minority women differed by relationship status and sexual identity with stigma-related concerns reportedly being significantly higher among participants who identified as single and as queer/something else, and family support, which differed by race and ethnicity, being predictive of self-perceived health and lower odds of depression(6)  This study examined the perceptions of the impact of legalized same-sex marriage among sexual minority women after same-sex marriage was legalized in all U.S. states by a 2015 Supreme Court ruling  Study survey participants (n=446) were recruited from a parent study of 732 SMW focusing on a number of health outcomes (same survey group as study above)  Among survey participants, perceptions differed by relationship and sexual identity across the six socio-ecological domains developed, i.e. 1) personal impact, 2) couple impact, 3) stigma-related concerns, 4) family support, 5) work/school impact, 6) social climate towards LGBTQ community  Family support differed by race and ethnicity and was predictive of self-perceived health and lower odds of depression  Stigma-related concerns were significantly higher among participants who identified as single and as queer/something else, and were associated with greater odds of depression	High	Publication date: September 2021  Jurisdiction studied: United States  Methods used: Qualitative survey	Gender/sex     Race/ethnicit y/culture/ language

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> <li>Alcohol use disorder/heavy drinking</li> <li>Substance use</li> <li>Suicide ideation attempt</li> <li>Death by suicide</li> <li>Sexually transmitted and blood-borne infections (STBBI)</li> <li>Key social-policy interventions</li> </ul>	Participants who perceived having increased work/school supports after legalized same-sex marriage had greater odds of alcohol use disorder  Gender affirmation on the structural and interpersonal level was	High	Publication date: July 2020	Gender/sex
<ul> <li>Rey social-policy interventions</li> <li>Level of policy intervention</li> <li>Municipal</li> <li>Provincial/state</li> <li>Federal/national</li> <li>2SLGBTQI+ group(s) affected</li> <li>Two Spirit</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> <li>Intersex</li> <li>Asexual</li> <li>Non-binary</li> <li>Gender fluid</li> <li>Age groups/generations</li> <li>Elder adults (75+)</li> <li>Older adults (60-75)</li> <li>Ages 30-59</li> <li>Young adults (18-29)</li> <li>Health-related outcomes</li> <li>Access to health services</li> <li>Primary care</li> <li>Mental health care</li> <li>Unmet healthcare needs</li> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> <li>Substance use</li> <li>Suicide ideation attempt</li> </ul>	significantly associated with higher odds of past-year HIV testing and healthcare engagement and lower odds of past-year psychological distress and suicidal ideation(14)  Using data captured in a 2015 U.S. Transgender survey, this study assessed the impacts of attaining certain aspects of gender affirmation on health  The survey included 27,715 participants who were 18 years or older, identified as transgender, non-binary, genderqueer, and other identities on the transgender spectrum, and resided in 50 states, the District of Columbia, Puerto Rico, U.S. military bases overseas, Samoa, and Guam  Given that gender affirmation may encompass multiple domains, such as legal documentation, surgery, familial support, and hormonal therapy, the study created a latent gender affirmation variable and tested whether this construct is associated with psychological and behavioural health outcomes  Results showed that gender affirmation mitigated the association between discrimination and suicide		Jurisdiction studied: United States  Methods used: Mixed methods – qualitative survey, literature search	• Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Death by suicide</li> <li>Sexually transmitted and blood-borne infections (STBBI)</li> </ul>				
<ul> <li>Key social-policy interventions</li> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> <li>Level of policy intervention</li> <li>Provincial/state</li> <li>2SLGBTQI+ group(s) affected</li> <li>Transgender</li> <li>Other priority groups affected</li> <li>Gender modality         <ul> <li>Transgender men and women</li> <li>People living in rural/remote communities</li> </ul> </li> <li>Health-related outcomes</li> <li>Access to health services         <ul> <li>Primary care</li> <li>Mental health care</li> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> <li>Suicide ideation attempt</li> <li>Death by suicide</li> <li>Self-harm</li> </ul> </li> </ul>	<ul> <li>State-level non-discrimination policies were associated with reductions or no change in suicidality and mental health hospitalizations among gender minority individuals, suggesting these policies may help reduce barriers to care and mitigate discrimination(19)</li> <li>Suicidality significantly decreased in the first year after policy implementation for the 2014, 2015, and 2016 policy cohorts, with reductions persisting into the second year for the 2014 cohort</li> <li>However, no significant changes in suicidality were observed for the 2013 policy cohort across four years post-implementation</li> <li>Across cohorts, mental health hospitalization rates either decreased or remained stable for individuals living in states with non-discrimination policies compared to those in comparison states</li> <li>Policy cohorts included 2013: the District of Columbia and 6 states (California, Colorado, Connecticut, Delaware, Oregon, and Vermont; 2014: Massachusetts, New York, and Washington; 2015: Illinois, Minnesota, Nevada, and Rhode Island; 2016: Hawaii, Maryland, Michigan, Montana, and Pennsylvania</li> <li>Comparison states had a higher percentage of gender minority individuals living in rural areas (10% vs 4-7%)</li> </ul>	High	Publication date: 2020  Jurisdiction studied: U.S.  Methods used: Quasiexperimental – cohort study using difference-indifferences	Gender/sex
<ul> <li>Key social-policy interventions         <ul> <li>Changes to discriminatory policies</li> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> <li>Other</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected</li> <li>Transgender</li> <li>Other priority groups affected</li> <li>Gender modality         <ul> <li>Transgender men and women</li> </ul> </li> <li>Age groups/generations         <ul> <li>Under 18</li> </ul> </li> <li>Health-related outcomes</li> </ul>	Affirming transgender-specific policies, such as explicit anti-bullying and anti-discrimination guidance and positive or neutral athlete guidance, were associated with reduced depressive symptoms and cigarette use among transgender adolescents, highlighting their protective role in improving health outcomes(11)  Transgender adolescents comprised 1.7% of the sample and were more likely than cisgender adolescents to report adverse health outcomes, including depression, suicidal ideation, and substance use  States with explicit transgender guidance in antidiscrimination laws were linked to lower odds of depressive symptoms among transgender adolescents  Transgender adolescents in states with positive or neutral athlete guidance were less likely to report cigarette use in the past 30 days	High	Publication date: 2023  Jurisdiction studied: U.S.  Methods used: Observational, comparative cross-sectional study	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Depression</li> <li>Alcohol use disorder/heavy drinking</li> <li>Substance use</li> <li>Suicide ideation attempt</li> <li>Self-harm</li> </ul>		Ţ.		
Key social-policy interventions     Same-sex marriage legislation     Level of policy intervention     Provincial/state     2SLGBTQI+ group(s) affected     Lesbian     Gay     Health-related outcomes	Legal access to same-sex marriage in the United States significantly reduced rates of syphilis, HIV, and AIDS, with the reductions driven by increased relationship commitment, greater societal tolerance, reduced risky behaviors, and expanded access to antiretroviral therapies, yielding substantial public health and economic benefits(8)  • Men who have sex with men experience the most significant health improvements, particularly in reduced AIDS rates, due to increased partner commitment and access to preventive care  • Marriage equality legislation fosters societal tolerance, encouraging safer partner search behaviors and reducing stigma around seeking preventive care, benefiting both men who have sex with women and women who have sex with men  • Cost savings from reduced STI prevalence are substantial, with HIV-related savings estimated at \$6.2 billion annually and AIDS-related savings at \$1.1 billion in lifetime medical costs  • The economic and health benefits of marriage equality policies may be understated, as additional analysis suggests even greater positive impacts than initially estimated	High	Publication date: 2023  Jurisdiction studied: U.S.  Methods used: Quasiexperimental, longitudinal difference-in-differences	Gender/sex
Key social-policy interventions     Human rights legislation     Criminal code legislation amendments     Same-sex marriage legislation     Changes to discriminatory policies     Gender-affirming legislation     Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups      Level of policy intervention     Federal/national     2SLGBTQI+ group(s) affected     Gay     Bisexual      Other priority groups affected     Immigrants and refugees     Health-related outcomes     Depression	Lower structural stigma in country of birth or a receiving country is associated with significantly reduced depression and suicidality among sexual minority men, highlighting the importance of legal protections and social attitudes in shaping mental health outcomes(30)  • Structural stigma was measured as a composite index of 15 laws and policies related to sexual orientation (e.g., legal discrimination, recognition, and protection), as well as country-level attitudes toward sexual minorities  • The link between higher structural stigma and increased depression and suicidality appeared to be mediated through internalized homonegativity and social isolation.  • Sexual minority men who had moved from high- to low-stigma countries experienced lower levels of psychosocial risk factors, such as concealment and internalized homonegativity  • Longer exposure (≥5 years) to lower stigma environments was associated with significantly better mental health outcomes compared to more recent arrivals	High	Publication date: 2021  Jurisdiction studied: International (48 countries)  Methods used: Observational – longitudinal survey data	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul><li>Suicide ideation attempt</li><li>Self-harm</li></ul>		_		
Key social-policy interventions     Criminal code legislation amendments     (e.g., laws focused on decriminalization, conversion therapy and hate-crime)     Changes to discriminatory policy     Same-sex marriage legislation     Multiple or cross-cutting social policies that affect structural stigma towards     2SLGBTQI+ groups     Level of policy intervention     Federal/national     2SLGBTQI+ group(s) affected     Lesbian     Gay     Bisexual     Health-related outcomes     Anxiety or severe psychological distress	<ul> <li>Changing discriminatory policies alone may not be enough to improve mental health outcomes among sexual minorities, highlighting the need to also address broader sources of stigma beyond legal policies (32)</li> <li>Sexual minorities (individuals reporting same-sex or both-sex attraction) experience higher levels of anxiety symptoms compared to those with opposite-sex attraction</li> <li>There was no significant interaction effect between structural stigma (e.g., marriage inequality, criminalization of same-sex acts) and sexual orientation on GAD symptoms</li> <li>However, differential concealment of sexual orientation or stigma from non-policy sources may explain the lack of observed interaction effects</li> </ul>	High	Publication date: 2021  Jurisdiction studied: International  Methods used: Observational, cross- sectional study	Gender/sex
Key social-policy interventions     Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans     Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups     Level of policy intervention     Provincial/state     2SLGBTQI+ group(s) affected     Two Spirit     Lesbian     Gay     Bisexual     Transgender     Queer/questioning     Intersex     Asexual     Non-binary     Gender fluid     Other priority groups affected     Gender modality	In addition to reducing discriminatory laws and policies, interventions that strengthen community resilience may help mitigate adverse mental health impacts of structural stigma, such as suicidality, in sexual and gender minorities (SGM) populations(29)  Structural stigma, particularly in the form of discriminatory laws like transgender sports bans, is linked to increased suicidality in SGM individuals  Community resilience significantly moderated the relationship between familiarity with transgender sports bans and suicidality (p = 0.0002)  Individual resilience did not significantly moderate this relationship (p = 0.0664)	High	Publication date: 2022  Jurisdiction studied: United States  Methods used: Observational, cross- sectional survey	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
Dimension of organizing framework  ■ Transgender men and women ■ Non-binary ● Health-related outcomes ○ Substance use ○ Suicide ideation attempt ○ Self-harm  ■ Key social-policy interventions ○ Criminal code legislation amendments ○ Same-sex marriage legislation ○ Changes to discriminatory policies ○ Gender-affirming legislation ○ Lifting of bans of 2SLGBTQI+ people in military service ○ Legal right to adopt children ○ Tax or employment benefits for same-sex partners ○ Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans ○ Access to/restrictions on gender-affirming procedures or therapies ○ Multiple or cross-cutting social policies that affect structural stigma towards	State structural transphobia, in the form of discriminatory laws and policies, is associated with greater psychological distress, suicidal thoughts, suicide plans, and suicide attempts in transgender adults living in the United States(25)  This study explored the relationship between structural transphobia and psychological stress in transgender adults  Structural transphobia includes discriminatory laws and policies  The types of laws investigated included relationships and parental recognition, non-discrimination, religion, youth laws, healthcare, criminal justice, and identity documentation  Higher levels of state-level transphobia were associated with greater psychological distress, suicidal thoughts, suicide plans, and suicide attempts	Relevance rating  High	Publication date: 28 September 2022  Jurisdiction studied: United States  Methods used: Cross-sectional	Equity considerations  • Gender/sex
2SLGBTQI+ groups  Level of policy intervention Provincial/state  2SLGBTQI+ group(s) affected Transgender  Other priority groups affected Gender modality Transgender men and women  Health-related outcomes Anxiety or severe psychological distress Depression Self-reported mental and physical health Suicide ideation attempt Death by suicide Self-harm		I I Sank	Dublication date: 7 May	
<ul> <li>Key social-policy interventions</li> <li>Gender-affirming legislation</li> <li>Level of policy intervention</li> </ul>	Legal gender affirmation and name change is associated with less societal stigma and may indirectly prevent against psychological distress(16)	High	Publication date: 7 May 2024	Gender/sex     Socioeconom ic status

<ul> <li>Provincial/state</li> <li>2SLGBTQl+ group(s) affected</li> <li>Transgender</li> <li>Gender fluid</li> <li>Other priority groups affected</li> <li>Gender modality</li> <li>Transgender men and women</li> <li>Health-related outcomes</li> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> </ul>	<ul> <li>This study examined the association between legal gender affirming care, psychological distress, and physical health in transgender and gender diverse people</li> <li>Data was collected between September 2019 to March 2020</li> <li>Legal gender affirmation was associated with less discrimination, social rejection, depressive symptoms, and social anxiety</li> <li>Income was associated with legal name change, as individuals with lower incomes were less likely to change their names</li> <li>The ability to change one's name may reduce marginalization and help individuals navigate legislation barriers in their environments</li> </ul>		Jurisdiction studied: United States  Methods used: Mixed methods	
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<ul> <li>Key social-policy interventions         <ul> <li>Same-sex marriage legislation</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Federal/national</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Two Spirit</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> <li>Intersex</li> <li>Asexual</li> <li>Non-binary</li> <li>Gender fluid</li> </ul> </li> <li>Other priority groups affected         <ul> <li>Age groups/generations</li> <li>Under 18</li> </ul> </li> <li>Health-related outcomes</li> <li>Suicide ideation attempt</li> </ul>	<ul> <li>Same-sex marriage legislation was associated with a statistically significant decline in suicide attempts in high school students identifying as sexual minorities, even two years post announcement(7)</li> <li>This study examined the association between same-sex marriage policies and adolescent suicide attempts</li> <li>This study used data from the Youth Risk Behaviour Surveillance System from January 1999 to December 2015</li> </ul>	High	Publication date: 1 April 2017  Jurisdiction studied: United States  Methods used: Cross-sectional	Gender/sex
<ul> <li>Key social-policy interventions</li> <li>Gender-affirming legislation</li> <li>Other</li> <li>Level of policy intervention</li> <li>Provincial/state</li> <li>2SLGBTQI+ group(s) affected</li> <li>Transgender</li> <li>Intersex</li> <li>Non-binary</li> <li>Gender fluid</li> </ul>	Medical gender affirmation can have a protective effect by reducing discrimination in public accommodations to improve long term health physical and mental health management(17)  This study examined the association between discrimination in healthcare and health indicators, following the 2012 Massachusetts gender identity non-discrimination law  Medical gender affirmation was associated with a lower chance of discrimination in public accommodations, displaying a protective effect	High	Publication date: September 2015  Jurisdiction studied: Massachusetts, United States  Methods used: Cross-sectional	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
Health-related outcomes     Access to health services     Primary care     Mental health care     Anxiety or severe psychological distress     Depression     Self-reported mental and physical health	<ul> <li>Individuals with high or moderate expression of visual gender non-conformation displayed a higher probability of public accommodation discrimination</li> <li>Public accommodation discrimination was associated with health indicators         <ul> <li>Negative stress-response</li> <li>Greater emotional symptoms and depression</li> <li>Greater physical symptoms</li> <li>Difficulty receiving medical diagnoses</li> </ul> </li> <li>Discrimination in public accommodation was associated with healthcare utilization as gender minority participants describe fear and anxiety to seek care</li> <li>This resulted in approximately 24% of participants reporting postponing care, which could have negative long term health effects</li> </ul>			
Key social-policy interventions     Gender-affirming legislation      Level of policy intervention     Provincial/state      2SLGBTQI+ group(s) affected     Transgender     Intersex     Non-binary     Gender fluid      Other priority groups affected     Gender modality     Transgender men and women  Health-related outcomes     Access to health services     Primary care     Mental health care     Anxiety or severe psychological distress     Depression     Self-reported mental and physical health	Gender affirmation through changed gender marks and names on government documents was associated with less gender-based mistreatment and psychological distress, however, there are sociodemographic barriers which hinder individuals from pursuing gender affirmation(15)  This study examined the association between legal gender affirmation and psychological outcomes  Examples of legal gender affirmation was changed names on government documents  Participants who legally changed their gender marker on government documents experienced less gender-based mistreatment than those who did not  Participants who changed their names on government documents had lower odds of experiencing gender-based mistreatment, depression, anxiety, and global psychiatric distress  Results are more significant when individuals have their gender marker and names changed on all documents, rather than just one  Over half of participants had changed their gender marker and names, however, barriers to not doing so included the high cost of fees and challenges with navigating systems  Individuals who were transgender, non-binary, had lower education, or who had not completed medical gender affirming procedures were less likely to have changed their gender marker and name	High	Publication date: 11 May 2020  Jurisdiction studied: Massachusetts and Rhode Island, United States  Methods used: Crosssectional	Gender/sex     Socioeconom ic status
Key social-policy interventions	Supportive school practices and policies is associated with better psychosocial outcomes in both heterosexual and sexually diverse adolescents and staff(18)	High	Publication date: 12 April 2022	<ul><li>Place of residence</li><li>Gender/sex</li></ul>

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Two Spirit</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> </ul> </li> <li>Other priority groups affected</li> <li>Gender modality         <ul> <li>Cisgender men</li> <li>Cisgender women</li> <li>Transgender men and women</li> <li>Non-binary</li> <li>Age groups/generations                      <ul> <li>Young adults (18–29)</li> </ul> </li> </ul> </li> <li>Health-related outcomes         <ul> <li>Access to health services</li> <ul> <li>Primary care</li> <li>Mental health care</li> <li>Substance use</li> <li>Suicide ideation attempt</li> <li>Death by suicide</li> </ul> </ul></li> </ul>	<ul> <li>This study explored the association between lesbian, gay, bisexual, transgender, and questioning supportive school practices and policies and psychosocial outcomes</li> <li>Supportive school policies included identifying safe spaces, prohibiting harassment based on gender or sexual identity, encouraging staff to attend professional development, facilitating access to health and service providers, and providing LGBTQ-relevant curricula</li> <li>This study used data from the 2015 and 2016 School Health Administration</li> <li>After school programs, such as a gay student alliance, is associated with decreased odds being physically threatened and use of illicit substances</li> <li>Encouragement of professional development courses could reduce suicide related behaviours in school staff</li> <li>Increasing LGBTQ supportive policies was associated with reduced suicide behaviours</li> <li>The above findings were consistent in both heterosexual and sexually diverse individuals</li> </ul>		Jurisdiction studied: United States  Methods used: Qualitative	
<ul> <li>Key social-policy interventions         <ul> <li>Human rights legislation</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Transgender</li> </ul> </li> <li>Health-related outcomes         <ul> <li>Anxiety or severe psychological distress</li> <li>Depression</li> </ul> </li> </ul>	<ul> <li>Trans individuals in Washington state who were worried about having their rights taken away had significantly higher odds of experiencing depression and anxiety symptoms(1)</li> <li>This study examined whether awareness of and concerns about the current policy landscape affecting trans individuals are linked to symptoms of depression and anxiety among trans adults</li> <li>Among 797 participants, the majority screened positive for current symptoms of depression and anxiety</li> <li>Trans individuals concerned about losing their rights were more likely to experience these symptoms, while those aware of state-level protective legislation were less likely</li> <li>The lowest likelihood of depression and anxiety was observed in individuals aware of protective policies and unconcerned about losing their rights</li> </ul>	High	Publication date: August 2024  Jurisdiction studied: Washington, USA  Methods used: Crosssectional	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Key social-policy interventions         <ul> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> <li>Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected</li> <li>Two Spirit</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> <li>Intersex</li> <li>Asexual</li> <li>Non-binary</li> <li>Gender fluid</li> </ul> <li>Other priority groups affected         <ul> <li>Racialized communities</li> </ul> </li> <li>Health-related outcomes         <ul> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Alcohol use disorder/heavy drinking</li> </ul> </li>	There is a connection between state-level contextual factors and the social support and mental health of partnered Latino sexual minority men; factors such as state policies and ethnic density can positively or negatively influence their daily experiences and well-being(28)  This study explores the relationship between state-level factors and social support and mental health outcomes among Latino sexual minority men in the U.S.  The interaction between friend support and supportive LGBTQ+ policies was linked to anxiety and depression  The interaction between friend support and the size of the Latino population was associated with increased problematic alcohol use, while partner support combined with supportive LGBTQ+ policies was associated with reduced problematic drinking	High	Publication date: June 2024  Jurisdiction studied: United States  Methods used: Crosssectional	Race/ethnicit y/culture/ language     Gender/sex
Key social-policy interventions     Changes to discriminatory policies (e.g., blood donation policies)     Gender-affirming legislation      Level of policy intervention     Federal/national      2SLGBTQI+ group(s) affected     Bisexual      Health-related outcomes     Anxiety or severe psychological distress     Depression	A comparison of health outcomes <u>pre- and post-rejection of the Zan Bill reveals a general decrease of well-being and ability to cope with stress related to stigma, particularly structural stigma among Italian <u>bisexual + community</u>(13)  To address hate crimes against LGBTQIAPK+ (P for pansexual, K for kink) individuals, Italian deputy Alessandro Zan proposed the "Zan Bill" on 4 November 2020, aiming to combat discrimination based on sex, gender, sexual orientation, gender identity, and disability  The Bill was rejected by the Senate on 27 October 2021  This study examined changes in mental health among bisexual+ individuals before and after the Zan Bill's rejection, comparing data from 299 participants post-rejection to 381 participants pre-rejection  The rejection of a law perceived as protective triggered feelings of fear, anxiety, and depression among bisexual+ individuals, leading to worsened overall health outcomes</u>	High	Publication date: January 2023  Jurisdiction studied: Italy  Methods used: Crosssectional	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Key social-policy interventions         <ul> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected</li> <li>Two Spirit</li> <ul> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Queer/questioning</li> </ul> <li>Other priority groups affected</li> <ul> <li>Gender modality</li> <li>Cisgender men</li> </ul> <li>Health-related outcomes         <ul> <li>Access to health services</li> <li>Primary care</li> <li>Unmet healthcare needs</li> </ul> </li> </ul>	State level policy that provides protection on sexual orientation can improve HIV outcomes related to diagnoses, late diagnoses, and AIDS mortality(20)  This study explored trends in state level policy and HIV outcomes in sexual minorities  Data from the Metropolitan Statistical Areas between 2008 to 2014 was collected  States with increasing policy support showed lowered HIV outcomes including diagnoses, late diagnoses, and AIDS related mortality  States with the highest level of policy support showed: 39% decrease in HIV diagnoses, 31% in late diagnoses, and 14% in AIDS mortality  The authors suggest that states that allows individuals to freely express their sexual identities are more likely to seek HIV testing and adequate care	High	Publication date: 1 September 2020  Jurisdiction studied: United States  Methods used: Longitudinal study	Gender/sex
<ul> <li>Sexually transmitted and blood-borne infections (STBBI)</li> <li>Key social-policy interventions</li> <li>Same-sex marriage legislation</li> </ul>	Debates regarding the legislation of same sex marriage in Australia increased mental distress, while the approved legislation improved mental	High	Publication date: 2020	Gender/sex
Level of policy intervention     Federal/national     2SLGBTQI+ group(s) affected     Two Spirit     Lesbian     Gay     Bisexual     Transgender     Queer/questioning	health outcomes in LGBTQ+ persons, suggesting additional mental health supports are needed for this population during social disputes of LGBTQ+ rights(4)  This study examined the effects of the 2017 Marriage Law in Australia on mental health outcomes in lesbian, gay, bisexual, transgender, and queer people		Jurisdiction studied: Australia  Methods used: Longitudinal study	

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
Dimension of organizing framework  ○ Intersex ○ Asexual ○ Non-binary  • Health-related outcomes ○ Anxiety or severe psychological distress ○ Depression ○ Self-reported mental and physical health  • Key social-policy interventions ○ Criminal code legislation amendments ○ Changes to discriminatory policies ○ Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups  • Level of policy intervention ○ Provincial/state  • 2SLGBTQI+ group(s) affected ○ Lesbian ○ Gay ○ Bisexual ○ Queer/questioning  • Age groups/generations ○ Under 18  • Health-related outcomes ○ Self-reported mental and physical health	High levels of state-level structural stigma, including lack of sexual orientation-inclusive state laws, are associated with higher levels of internalized (e.g., feelings of self-consciousness and embarrassment) and externalized (e.g., rule-breaking or aggressive behaviour) stigma symptoms for LGB youth, whereas this association is not seen in states with low levels of state-level structural stigma, according to data from a United States longitudinal study(27)  The study examined the impact of structural stigma, including state laws relating to sexual orientation and the proportion of openly LGBTQ officials, on the internalized/externalized stigma and mental health outcomes for lesbian, gay, and bisexual (LGB) youth  Data was collected from the Adolescent Brain and Cognitive Development (ABCD) longitudinal study in the United States  Analysed data from 10,414 youth collected from 2018-2021  704 participants identified as LGB  Structural stigma specific to sexual orientation was measured using factors including state laws relating to sexual orientation, proportion of LGBTQ state officials, social attitudes relating to laws, and prevalence of GSAs in schools  Internalized stigma symptoms (e.g., feelings of self-consciousness and embarrassment) were measured using self-reported mental health surveys and externalized stigma symptoms (e.g., rule-breaking or aggressive behaviour) were measured using parent-reported symptoms checklists		Publication date: November 2023  Jurisdiction studied: United States  Methods used: Cross-sectional study	
	The study found that LGB youth in high-structural stigma states experienced significantly higher levels of internalized and externalized stigma symptoms  No effect was observed among heterosexual youth in heterosexual, with the observed association being specific to LGB youth  This association with LGB was not seen in low-structural stigma states			
Key social-policy interventions     Criminal code legislation amendments	Sexual minority men in high structural stigma states with limited protective policies, had significantly higher physiological stress levels compared to	High	Publication date: April 2024	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Same-sex marriage legislation</li> <li>Changes to discriminatory policies</li> <li>Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups</li> <li>Level of policy intervention</li> <li>Provincial/state</li> <li>2SLGBTQI+ group(s) affected</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Age groups/generations</li> <li>Ages 30-59</li> <li>Young adults (18-29)</li> <li>Health-related outcomes</li> <li>Other (allostatic load based on 11 biomarkers)</li> </ul>	<ul> <li>men in low structural stigma states, while no association was found for sexual minority women, according to a United States study(26)</li> <li>The study analysed whether structural stigma, including state-level policies related to sexual orientation, is associated with allostatic load representing physiological dysregulations in LGB individuals in the United States</li> <li>The study utilized data from the National Health and Nutrition Examination Survey (NHANES) from 2001-2014         <ul> <li>21,774 participants were included including 864 LGB individuals aged 20-59 years</li> </ul> </li> <li>Structural stigma was measured using state-level policies that expanded or limited rights and protections of sexual minority populations in the United States, and states were classified as high or low stigma based on the presence of protective policies</li> <li>Allostatic load was measured using 11 biomarkers including cardiovascular, metabolic, and immune biomarkers</li> <li>The study found that sexual minority men in high structural stigma states had significantly higher allostatic load (physiological stress) compared to those living in low structural stigma states, which suggests a protective health effect for supportive LGB policies</li> <li>No significant association was found for sexual minority women</li> </ul>		Jurisdiction studied: United States  Methods used: Crosssectional study	
<ul> <li>Key social-policy interventions         <ul> <li>Access to/restrictions on gender-affirming procedures or therapies</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Federal/national</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Transgender</li> </ul> </li> <li>Health-related outcomes         <ul> <li>Access to health services</li> <li>Mental health care</li> <li>Unmet healthcare needs</li> <li>Self-reported mental and physical health</li> </ul> </li> </ul>	While care coordination and peer networks helped some transgender and gender-diverse Veterans access gender-affirming surgery through the Veterans Health Administration, barriers like limited availability of surgeons, lack of caregiving support, insufficient awareness of resources, and gaps in mental health and post-operative care hindered access(21)	High	Publication date: 2023  Jurisdiction studied: United States  Methods used: Qualitative interviews	Gender/sex
Key social-policy interventions     Criminal code legislation amendments     Changes to discriminatory policies     Multiple or cross-cutting social policies that affect structural stigma towards     2SLGBTQI+ groups     Level of policy intervention	Improvements in country-level structural stigma over seven years were associated with increased life satisfaction among sexual minority individuals, especially in countries with higher initial stigma in 2012, with those in relationships reporting greater improvements in life satisfaction(31)	High	Publication date: 2023  Jurisdiction studied: 28 European countries  Methods used: Repeated cross-sectional design	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Federal/national</li> <li>2SLGBTQI+ group(s) affected</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Health-related outcomes</li> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> <li>Key social-policy interventions</li> </ul>	The effect of structural stigma on life satisfaction was consistent across various demographic groups such as sex assigned at birth, ethnicity, education, and age  More protective state-level policies were linked to higher reports of past-	High	Publication date: 2022	Gender/sex
<ul> <li>Rey social-policy little verticins</li> <li>Criminal code legislation amendments         (e.g., laws focused on decriminalization, conversion therapy and hate-crime)</li> <li>Changes to discriminatory policies</li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Non-binary</li> </ul> </li> <li>Other priority groups affected</li> <li>Gender modality         <ul> <li>Cisgender men</li> <li>Cisgender women</li> <li>Transgender men and women</li> </ul> </li> <li>Health-related outcomes         <ul> <li>Access to health services</li> <li>Mental health care</li> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Suicide ideation attempt</li> <li>Exposure to family- and gender-based violence</li> </ul> </li> </ul>	year discrimination among cisgender sexual minority people and the gender-expansive subgroup of gender minority people(12)  Protective policies alone do not eliminate discrimination or victimization for sexual and gender minority individuals	Tilgii	Jurisdiction studied: United States  Methods used: Analysis of survey data	• Genden/sex
Key social-policy interventions     Human rights legislation     Changes to discriminatory policies (e.g., blood donation policies)     Other priority groups affected	Gender-based discrimination in prisons in Australia and New Zealand were linked to increased risks of mental illness, self-harm, and suicide among transgender people due to inadequate support and exclusionary practices(2)	High	Publication date: 2024  Jurisdiction studied: Australia and New Zealand	Gender/sex     Place of residence

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Indigenous peoples</li> <li>Health-related outcomes</li> <li>Access to health services</li> <li>Mental health care</li> <li>Unmet healthcare needs</li> <li>Self-reported mental and physical health</li> </ul>	<ul> <li>In Australia and New Zealand, corrections policies have become more aligned with human rights standards over the last five years, but gender-based discrimination and human rights violations were discovered in corrections policies of all jurisdictions in these countries</li> <li>Comprehensive reforms such as having national policies and staff training, are essential for trans-inclusive correctional environments</li> </ul>		Methods used: Mixed methods design	
Key social-policy interventions     Same-sex marriage legislation     Changes to discriminatory policies (e.g., blood donation policies)     Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans     Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups      Level of policy intervention     Provincial/state     Federal/national      2SLGBTQI+ group(s) affected     Lesbian     Gay      Health-related outcomes     Anxiety or severe psychological distress     Self-reported mental and physical health     Exposure to family- and gender-based violence	Sexual minorities living in states with higher structural stigma experienced greater strain in friendships and family relationships, as well as higher levels of loneliness, when facing discrimination; however, in states with more supportive policies, these negative effects were significantly reduced, suggesting that inclusive public policies can buffer against the harmful social impacts of discrimination(24)	High	Publication date: 2015  Jurisdiction studied: United States  Methods used: Multilevel modeling was applied to survey data collected online (Study 1) and in person at community events (Study 2)	Gender/sex
<ul> <li>Key social-policy interventions         <ul> <li>Gender-affirming legislation</li> <li>Access to/restrictions on gender-affirming procedures or therapies</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Transgender</li> <li>Intersex</li> <li>Non-binary</li> <li>Gender fluid</li> </ul> </li> <li>Other priority groups affected         <ul> <li>Gender modality</li> </ul> </li> </ul>	Gender affirming medical care as an adolescent is associated with reduced risk of severe psychological distress in adult transgender and nonbinary individuals, and those living in states with more supportive GAMC legislation were less likely to avoid medical care as an adult.(33)  Data was extracted from the U.S. Transgender Survey conducted in August – September 2015  Participants were adults who identified as transgender, trans, genderqueer, nonbinary, or within the transgender identity spectrum  Respondents with access to gender affirming medical care (GAMC) as an adolescent were significantly less likely to experience severe psychological distress as an adult	High	Publication date: February – March 2024  Jurisdiction studied: United States  Methods used: Crosssectional survey	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Transgender men and women</li> <li>Non-binary</li> <li>Age groups/generations</li> <li>Elder adults (75+)</li> <li>Older adults (60-75)</li> <li>Ages 30-59</li> <li>Young adults (18-29)</li> <li>Under 18</li> <li>Health-related outcomes</li> <li>Unmet healthcare needs</li> </ul>	<ul> <li>State-level legislations that were supportive of GAMC reduced the risk of severe psychological distress and poor general health</li> <li>Respondents who received GAMC as an adolescent were more likely to avoid medical care as an adult because of possible mistreatment</li> <li>However, supportive legislation additionally modified the likelihood of respondents to be avoidant of health care as an adult, such that respondents from less supportive states were more avoidant</li> </ul>			
<ul> <li>Anxiety or severe psychological distress</li> <li>Key social-policy interventions         <ul> <li>Lifting of bans on 2SLGTBQI+ people in the military</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Lesbian</li> </ul> </li> <li>Health-related outcomes         <ul> <li>Anxiety or severe psychological distress</li> <li>Depression</li> <li>Self-reported mental and physical health</li> <li>Alcohol use disorder/heavy drinking</li> </ul> </li> </ul>	Prior to 1992 when discrimination of sexual minorities was no longer legally sanctioned in the Canadian military, women in the military who identified as lesbian were forced to adopt cognitive and behavioural coping strategies (e.g., presenting themselves as heterosexual, numbing themselves with alcohol) after being subject to relentless military surveillance and interrogations; these coping strategies led to stress, depression, physical exhaustion, substance abuse, and social isolation.(22)  This study examined the short- and long-term physical, psychological and social health effects of pre-1992 investigations and subsequent discharge of lesbian women in the Canadian military  Based on information gathered from interviews of thirteen lesbian women who served in the Canadian military between 1976 and 1988, the study researchers reported that the study participants were subject to relentless military surveillance and risk evaluations (e.g., interrogation sessions) and forced to adopt a number of cognitive and behavioural coping strategies (e.g., presenting themselves as heterosexual, numbing themselves with alcohol) to hide their sexual orientation  These coping strategies had short- and long-term effects on their health, including high levels of stress, depression, physical exhaustion, substance abuse, and social isolation  Prior to 1992, military policy was in place that made soldiers' failure to	High	Publication date: November 2009  Jurisdiction studies: Canada  Methods used: Qualitative	Gender/sex
<ul> <li>Key social-policy interventions</li> <li>Development and implementation of 2SLGBTQI+-focused strategic policy directions or action plans</li> <li>2SLGBTQI+ group(s) affected</li> <li>Two Spirit</li> </ul>	report suspected same-sex sexual activity a violation of military law  Stigma, politics, and crises can undermine efforts to improve school support and services, but they can also create opportunities, including renewed interest or urgency in addressing LGBTQ+ student needs(34)  To examine the implementation of LGBTQ-supportive evidence- informed practices (EIPs) in New Mexico high schools	Medium	Publication date: April 2024  Jurisdiction studied: New Mexico, USA  Methods used: Qualitative	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> <li>Intersex</li> <li>Asexual</li> <li>Non-binary</li> <li>Gender fluid</li> </ul>	The analysis identified three outer-context determinants that shaped implementation challenges and opportunities: Social barriers related to heterocentrism, cisgenderism, and religious conservatism Policy and political discourse at local, state, and national levels			
Key social-policy interventions     Human rights legislation     Level of policy intervention     Provincial/state     2SLGBTQI+ group(s) affected     Transgender     Non-binary	Anti-discrimination laws are linked to better health outcomes for trans individuals, as they appear to reduce both active discrimination, such as assault, and passive discrimination (e.g., refusal to use correct pronouns, shows of discomfort, misgender) in daily life(35)  This study explores the impact of anti-discriminatory policies by comparing state-level trans and nonbinary (TNB) protection policies and religiosity to the daily experiences of discrimination reported by 101 TNB individuals  Greater policy protection at both the state and city levels is linked to fewer anti-trans events experienced by TNB residents  States with stronger gender identity protections reported fewer overall and passive (i.e. refusal to use correct pronouns, shows of discomfort, misgendered) discriminatory events  Participants in cities without anti-discrimination policies were more likely to report community-level and passive discrimination  Regions with higher religiosity levels were associated with more passive and active discriminatory events	Medium	Publication date: September 2022  Jurisdiction studied: USA  Methods used: Cross- sectional	Gender/sex
Key social-policy interventions     Multiple or cross-cutting social policies that affect structural stigma towards     2SLGBTQI+ groups     Other      Level of policy intervention     Federal/national      2SLGBTQI+ group(s) affected     Transgender      Other priority groups affected     Gender modality     Transgender men and women      Health-related outcomes     Access to health services     Primary care	<ul> <li>Legal gender assignment can affect individuals access and treatment in social opportunities, employment, and healthcare settings (36)</li> <li>Some individuals described not having their gender respected in healthcare settings if it did not match their sex assigned at birth</li> <li>Individuals described being denied opportunities or being unwelcomed in spaces if their presenting identity did not match their legal documents</li> <li>Individuals described pressure to conform to traditional gender expectations in order to be fairly and kindly treated by others</li> </ul>	Medium	Publication date: April 2024  Jurisdiction studied: Thailand  Methods used: Qualitative	<ul> <li>Place of residence</li> <li>Gender/sex</li> </ul>

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
<ul> <li>Mental health care</li> </ul>				
<ul> <li>Mental health care</li> <li>Key social-policy interventions         <ul> <li>Same-sex marriage legislation</li> </ul> </li> <li>Level of policy intervention         <ul> <li>Provincial/state</li> <li>Federal/national</li> </ul> </li> <li>2SLGBTQI+ group(s) affected         <ul> <li>Two Spirit</li> <li>Lesbian</li> <li>Gay</li> <li>Bisexual</li> <li>Transgender</li> <li>Queer/questioning</li> </ul> </li> <li>Other priority groups affected         <ul> <li>Gender modality</li> <li>Cisgender men</li> <li>Cisgender women</li> <li>Transgender men and women</li> <li>Non-binary</li> <li>Age groups/generations</li> <li>Elder adults (75+)</li> <li>Older adults (60-75)</li> <li>30-59</li> </ul> </li> <li>Health-related outcomes</li> <li>Self-reported mental and physical health</li> </ul>	In States where same-sex marriage was legal there were no significant differences observed in health and quality of life indicators between married same-sex couples and unmarried partnered same-sex couples aged 50 or older, though both groups reported better health and quality of life than single LGBT older adults.(37)  In 2013, the United States Supreme Court reversed sections of the Defense of Marriage Act, granting federal recognition to same-sex marriages performed in states where same-sex marriage was permitted; by 1 November 2014 same-sex marriage was legal in 32 states and the District of Columbia  This study analyzed 2014 data from a national survey distributed on 1 November 2014 to LGBT+ individuals aged 50 or older  This study included data from participants living in states where same-sex marriage was legal who identified as gay, lesbian, or bisexual, self-identified as male or female, and were in a same-sex couple (if they were partnered)  Findings indicated that there was no significant difference in health and quality of life (QOL) indicators for legally married LGBT couples compared to unmarried partners  Single LGBT men and women had lower health and QOL indicators than partnered or married individuals  Married women had better social QOL indicators than unmarried partnered women  Married men had better general health, physical, and environmental	Medium	Publication date: February 2017  Jurisdiction studied: United States  Methods used: Crosssectional analysis with data from a longitudinal survey	Gender/sex
Com reported mornar and projects means:	QOL indicators than unmarried partnered men			
Key social-policy interventions     Other      Level of policy intervention     Federal/national      2SLGBTQI+ group(s) affected     Two Spirit     Lesbian     Gay     Bisexual     Transgender     Queer/questioning     Intersex     Asexual     Non-binary     Gender fluid	LGBTQ+ adults in same-sex relationships in the United States reported negative psychological impacts driven by increased anti-LGBTQ+ sentiment from the federal administration and the general public during Donald Trump's first presidential term.(38)  This study examines the lived experiences of LGBTQ+ adults in same-sex relationships in the United States following Donald Trump's election in 2016 through a national online survey administered over a four-year period (2017-2020)  Findings demonstrated five themes including: anti-LGBTQ+ rhetoric from the administration, regression of LGBTQ+ rights, increased anti-LGBTQ+ sentiment in the general public, increased psychological distress related to the anti-LGBTQ+ rhetoric/sentiment, and fear of diminished LGBTQ+ equality in the future  Participants reported negative psychological impacts including, chronic stress, anxiety, fear, and sadness	Medium	Publication date: July 2023  Jurisdiction studied: United States  Methods used: Longitudinal survey	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
Other priority groups affected     Gender modality     Cisgender men     Cisgender women     Transgender men and women     Non-binary     Indigenous peoples     Racialized communities     Age groups/generations     Elder adults (75+)     Older adults (60–75)     Ages 30–59     Young adults (18–29) Health-related outcomes     Anxiety or severe psychological distress     Self-reported mental and physical health     Suicide ideation attempt     Death by suicide	Some perceived a rise in violence towards LGBTQ+ people and increased suicide rates			
Key social-policy interventions     Human rights legislation     Criminal code legislation amendments     Same-sex marriage legislation     Changes to discriminatory policies     Multiple or cross-cutting social policies that affect structural stigma towards 2SLGBTQI+ groups  Level of policy intervention     Provincial/state  2SLGBTQI+ group(s) affected     Lesbian     Gay     Bisexual  Other priority groups affected     Age groups/generations     Elder adults (75+)     Older adults (60–75)     Ages 30–59     Young adults (18–29)  Health-related outcomes     Substance use	Structural stigma was strongly associated with higher probability of smoking for both sexual minority and heterosexual adults, but the change in probability was more pronounced among sexual minority adults.(39)  Data was gathered from the National Adult Tobacco Survey covering the period 2012-2014  These are the years directly prior to national same-sex marriage legalization  At the state level, the number of states where same-sex marriage was legal increased from 6 to 35 from January 2012 to December 2014  Sexual minorities considered were those who identified as gay, lesbian or bisexual (LGB)  Weighted prevalence of current smoking was 28% among LGB adults compared to 17% among heterosexuals  Higher prevalence ratios of smoking were found to be associated with higher levels of structural stigma (i.e. same-sex marriage policy, public opinion towards same-sex marriage, etc.) for both heterosexual and LGB adults  The level of association was stronger for LGB individuals  Structural stigma was associated with higher levels of smoking in a curvilinear manner, with both the highest and lowest levels of stigma associated with lowest levels of smoking for LGB and heterosexual adults	Medium	Publication date: June 2021  Jurisdiction studied: United States  Methods used: Longitudinal survey; prevalence ratios estimated with Poisson regression models	Gender/sex

Dimension of organizing framework Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
Key social-policy interventions     Human rights legislation     C miminal code legislation     Gender-affirming legislation     Multiple or cross-cutting social policies that affect structural stigma towards     2SLGBTQI+ groups     Level of policy intervention     Municipal     Provincial/state     Federal/national     2SLGBTQI+ group(s) affected     Lesbiian     Gay     Bisexual     Transgender     Non-binary     Gender fluid     Other priority groups affected     Gender modality     Cisgender men     Transgender men     Transgender men     Cisgender men     Cisgender men     Cisgender men     Cisgender men     Non-binary     Age groups/generations     Older adults (60–75)     Ages 30–59     Young adults (18–29)     Health-related outcomes     Depression     Self-reported mental and physical health     Methods investigated the within-country association between community participation and spression, mediated by individual, interpersonal, and contextual factors—specifically indentity disclosure; victimization, and structural stigma, respectively—in 28 European countries, suggesting that the consideration of structural stigma is needed to effectively understand the consideration of structural stigma is needed to effectively understand the consideration of structural stigma association on the outcome of lower levels of depression associated with low-stigma countries      Stuctural stigma was defined as "discriminatory state laws, social policies, and public attitudes" restricting the human rights of 2SLGBTQI+ individuals; it was an indirect effect moderator since higher community participation was reported to predict high identity disclosure and intrusph higher evels of depression, but at the same time, the policies of depression intrusph higher evels of depression, but at the same time, the policies of depression intrusph higher evels of depression, but at the victimization would be experienced regardless of country-level stigma      Other priority groups affected     Other priority groups affected     Ou	Medium	Publication date: November 2022  Jurisdiction studied: Europe (28 countries)  Methods used: Cross-sectional data to inform a multi-modal model	Gender/sex

Dimension of organizing framework	Declarative title and key findings	Relevance rating	Study characteristics	Equity considerations
	No causal or temporal relations could be deduced due to the study design			

# **Appendix 5: Documents excluded at the final stage of reviewing**

Document type	Hyperlinked title
Journal article	Self-concealment, discrimination, and mental health in Macedonia: Disparities experienced by sexual and gender minorities
Journal article	How LGBT-Supportive Workplace Policies Shape the Experience of Lesbian, Gay Men, and Bisexual Employees
Journal article	Between Resilience and Agency: A Systematic Review of Protective Factors and Positive Experiences of LGBTQ+ Students
Database	LGBTI Rights in Canada (ILGA)
Journal article	A review of lesbian, gay, bisexual, trans and intersex (LGBTI) health and healthcare inequalities (Independent Expert)
Report	Frequently asked questions on sexual and gender diversity, health and human rights - an introduction to key concepts (WHO)
Journal article	A Narrative Synthesis Review of Legislation Banning Gender-Affirming Care
Journal article	Transgender adolescents and legal reform: How improved access to healthcare was achieved through medical, legal and community
	<u>collaboration</u>
Journal article	Legislation, medicine, and politics: care for gender diverse youth
Journal article	The Impact of the Legal Landscape on LGBTQ + Students and their School Psychologists
Journal article	Stigma and Minority Stress as Social Determinants of Health Among Lesbian, Gay, Bisexual, and Transgender Youth: Research
	Evidence and Clinical Implications
Journal article	Assessing the effects of anti-homosexuality legislation in Uganda on HIV prevention, treatment, and care services
Journal article	Beyond the guidelines: challenges, controversies, and unanswered questions
Journal article	The rise of anti-trans laws and the role of public health advocacy
Journal article	Exclusionary Health Policy: Responding to the Risk of Poor Health among Sexual Minority Youth in Canada
Journal article	Social Factors as Determinants of Mental Health Disparities in LGB Populations: Implications for Public Policy
Journal article	The Long Arm of Oppression: How Structural Stigma Against Marginalized Communities Perpetuates Within-Group Health
	<u>Disparities</u>
Journal article	Medical Aspects of Transgender Military Service
Report	Charting progress: a comparative analysis of national LGBTQI equality action plans in the EU
Report	Standing Senate Committee on Human Rights – Report on the Human Rights of Federally-Sentenced Persons
Narrative review	Reckoning with queer history: the Canadian 'LGBT Purge' case and the limits of forgiveness
Descriptive article	The Gay Agenda: A short history of queer rights in Canada (1969-2018)
Report	2024 GLAAD ALERT Desk Report

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