

This document is File 1 of the supporting information for this journal article:

**Drabble LA, Wootton AR, Veldhuis CB, Riggle EDB, Rostosky SS, Lannutti PJ, et al. (2021)
Perceived psychosocial impacts of legalized same-sex marriage: A scoping review of sexual
minority adults' experiences. *PLoS ONE* 16(5): e0249125.**

<https://doi.org/10.1371/journal.pone.0249125>

© 2021 Drabble et al. This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

When reusing this document, please provide a citation of the abovementioned article.

S1 Table: Articles included in scoping review on the psychosocial impact of equal marriage rights among sexual minority adults

General Information					Analysis performed		Primary classification in scoping review*				
Citation	Location	Methods	Participant gender(s)	Percent people of color	SMW-specific	Race/ethnicity-specific	Individual	Couple	Family	Community	Society
(Abou-Chadi & Finnigan, 2019)	Europe	Quant	Mixed	N/A or not measured							X
(Aksoy, Carpenter, De Haas, & Tran, 2020)	Europe	Quant	N/A or not measured	N/A or not measured							X
(Alderson, 2004)	Canada	Qual	Mixed	Less than 25%				X			
(Badgett, 2011)	Multiple countries	Mixed	Mixed	Less than 25%	X	X	X		X	X	
(Balsam, Rostosky, & Riggle, 2017)	U.S. ²	Qual	Women only	Less than 25%	X			X			
(Bernstein, Naples, & Harvey, 2016)	Multiple countries	Other	Mixed	N/A or not measured							X
(Bernstein, Harvey, & Naples, 2018)	Australia /NZ	Qual	Mixed	N/A or not measured						X	
(Bishin, Hayes, Incantalupo, & Smith, 2016)	U.S. ¹	Quant	Mixed	Less than 25%							X
(Bosley-Smith & Reczek, 2018)	U.S. ²	Qual	Mixed	Less than 25%	X					X	
(Charlton, Corliss, Spiegelman, Williams, & Austin, 2016)	U.S. ¹	Quant	Women only	N/A or not measured	X		X				
(Chauveron, Alvarez, & van Eeden-Moorefield, 2017)	U.S. ⁴	Other	N/A or not measured	N/A or not measured							X

Citation	Location	Methods	Participant gender(s)	Percent people of color	SMW-specific	Race/ethnicity-specific	Individual	Dyad	Family	Community	Society
(Clark, Riggle, Rostosky, Rothblum, & Balsam, 2015)	U.S. ²	Qual	Mixed	Less than 25%				X	X		
(DiGregorio, 2016)	U.S. ³	Qual	Women only	N/A or not measured	X			X			X
(Everett, Hatzenbuehler, & Hughes, 2016)	U.S. ²	Quant	Women only	50% to 74%	X	X	X				
(Flores & Barclay, 2016)	U.S. ¹	Quant	N/A or not measured	N/A or not measured							X
(Gash & Raiskin, 2018)	U.S. ²	Qual	Mixed	N/A or not measured							X
(Goodwin & Butler, 2009)	Europe	Qual	Mixed	Less than 25%				X			
(Haas & Whitton, 2015)	U.S. ¹	Qual	Mixed & TG/GNB included	Less than 25%				X			
(Hooghe & Meeusen, 2013)	Europe	Quant	N/A or not measured	N/A or not measured							X
(Hull, 2019)	U.S. ²	Qual	Mixed & TG/GNB included	25 to 49%			X				
(Jowett & Peel, 2017)	Europe	Qual	Mixed & TG/GNB included	Less than 25%			X				
(Kazyak & Stange, 2018)	U.S. ²	Quant	Mixed	N/A or not measured							X
(Kennedy, Dalla, & Dreesman, 2018)	U.S. ³	Mixed	Mixed & TG/GNB included	Less than 25%					X	X	

Citation	Location	Methods	Participant gender(s)	Percent people of color	SMW-specific	Race/ethnicity-specific	Individual	Dyad	Family	Community	Society
(Kreitzer, Hamilton, & Tolbert, 2014)	U.S. ²	Quant	N/A or not measured	N/A or not measured							X
(Lannutti, 2005)	U.S. ²	Qual	Mixed & TG/GNB included	Less than 25%			X			X	
(Lannutti, 2007b)	U.S. ²	Qual	Women only	25 to 49%	X				X	X	
(Lannutti, 2007a)	U.S. ²	Qual	Mixed & TG/GNB included	Less than 25%			X	X			
(Lannutti, 2008)	U.S. ²	Qual	Mixed	Less than 25%					X		
(Lannutti, 2011a)	U.S. ³	Qual	Mixed	Less than 25%						X	
(Lannutti, 2011b)	U.S. ²	Qual	Mixed	Less than 25%			X	X	X	X	
(Lannutti, 2013)	U.S. ²	Qual	Mixed	25 to 49%					X		
(Lannutti, 2018a)	U.S. ³	Qual	Mixed	Less than 25%					X	X	
(Lannutti, 2018b)	U.S. ³	Qual	Mixed	25 to 49%					X		
(LeBlanc, Frost, & Bowen, 2018)	U.S. ¹	Quant	Mixed	25 to 49%	X			X			
(Lee, 2018)	U.S. ¹	Quant	Mixed	75%+	X	X	X				
(MacIntosh, Reissing, & Andruff, 2010)	Canada	Mixed	Mixed	N/A or not measured				X			
(Maisel & Fingerhut, 2011)	U.S. ²	Quant	Mixed	Less than 25%	X					X	
(McGuffey, 2018)	U.S. ³	Qual	Mixed & TG/GNB included	75%+		X	X				
(Metheny & Stephenson, 2019)	U.S. ¹	Quant	Men only	25 to 49%		X	X				

Citation	Location	Methods	Participant gender(s)	Percent people of color	SMW-specific	Race/ethnicity-specific	Individual	Dyad	Family	Community	Society
(Ocobock, 2013)	U.S. ²	Qual	Men only	Less than 25%					X		
(Ocobock, 2018)	U.S. ²	Mixed	Mixed	Less than 25%			X			X	
(Ofosu, Chambers, Chen, & Hehman, 2019)	U.S. ¹	Quant	Mixed	N/A or not measured							X
(Ogolsky, Monk, Rice, & Oswald, 2019)	U.S. ¹	Quant	Mixed & TG/GNB included	Less than 25%					X		
(Perrin, Smith, Trujillo, Rabinovitch, & Coy, 2018)	U.S. ¹	Quant	N/A or not measured	N/A or not measured							X
(Philpot et al., 2016)	Australia /NZ	Mixed	Men only	N/A or not measured			X				
(Redman, 2018)	Europe	Quant	N/A or not measured	N/A or not measured							X
(Reynolds & Robinson, 2019)	Australia /NZ	Qual	Mixed	N/A or not measured			X				
(Riggle, Wickham, Rostosky, Rothblum, & Balsam, 2017)	U.S. ³	Quant	Mixed	Less than 25%			X		X		
(Riggle, Drabble, Veldhuis, Wootton, & Hughes, 2018)	U.S. ³	Qual	Women only	50% to 74%	X				X		
(Rostosky, Riggle, Rothblum, & Balsam, 2016)	U.S. ³	Qual	Mixed	Less than 25%				X	X		
(Sansone, 2019)	U.S. ¹	Quant	Mixed	N/A or not measured							X

Citation	Location	Methods	Participant gender(s)	Percent people of color	SMW-specific	Race/ethnicity-specific	Individual	Dyad	Family	Community	Society
(Schechter, Tracy, Page, & Luong, 2008)	U.S. ²	Qual	Mixed	N/A or not measured					X		
(Scott & Theron, 2019)	Multiple countries	Qual	Women only	N/A or not measured	X			X			
(Shulman, Weck, Schwing, Smith, & Coale, 2009)	U.S. ²	Qual	Mixed	Less than 25%				X			
(Shulman, Gotta, & Green, 2012)	U.S. ²	Mixed	Mixed	Less than 25%				X			
(Tankard & Paluck, 2017)	U.S. ¹	Quant	N/A or not measured	N/A or not measured							X
(Thomas, 2014)	Multiple countries	Qual	Mixed	N/A or not measured				X	X		
(Vuckovic Juros, 2019)	Europe	Qual	Mixed	N/A or not measured					X		
(Wootton et al., 2019)	U.S. ³	Qual	Women only	50% to 74%	X					X	

* *Note:* We endeavored to minimize redundancy in our summary of the literature by discussing articles in relation to the levels of the social ecological and stigma framework that aligned most closely with the study findings. However, findings of some manuscripts may be relevant to other social-ecological levels beyond the primary categorization used in the current scoping review.

¹ National U.S. sample; ² Sample from single U.S. state; ³ Sample from multiple states; ⁴ Other – review of state and federal legal decisions

REFERENCES

- Abou-Chadi, T., & Finnigan, R. (2019). Rights for same-sex couples and public attitudes toward gays and lesbians in Europe. *Comparative Political Studies*, 52(6), 868-895.
doi:10.1177/0010414018797947
- Aksoy, C. G., Carpenter, C. S., De Haas, R., & Tran, K. D. (2020). Do laws shape attitudes? Evidence from same-sex relationship recognition policies in Europe. *European Economic Review*, 124, 103399.
doi:10.1016/j.euroecorev.2020.103399
- Alderson, K. G. (2004). A phenomenological investigation of same-sex marriage. *Canadian Journal of Human Sexuality*, 13(2), 107-122.
- Badgett, M. V. L. (2011). Social inclusion and the value of marriage equality in Massachusetts and the Netherlands. *Journal of Social Issues*, 67(2), 316-334. doi:10.1111/j.1540-4560.2011.01700.x
- Balsam, K. F., Rostosky, S. S., & Riggle, E. D. B. (2017). Breaking up is hard to do: Women's experience of dissolving their same-sex relationship. *Journal of Lesbian Studies*, 21(1), 30-46.
doi:10.1080/10894160.2016.1165561
- Bernstein, M., Harvey, B., & Naples, N. A. (2018). Marriage, the final frontier? Same-sex marriage and the future of the lesbian and gay movement. *Sociological Forum*, 33(1), 30-52.
doi:10.1111/socf.12392
- Bernstein, M., Naples, N. A., & Harvey, B. (2016). The meaning of marriage to same-sex families: Formal partnership, parenthood, gender, and the welfare state in international perspective. *Social Politics*, 23(1), 3-39. doi:10.1093/sp/jxv002
- Bishin, B. G., Hayes, T. J., Incantalupo, M. B., & Smith, C. A. (2016). Opinion backlash and public attitudes: Are political advances in gay rights counterproductive? *American Journal of Political Science*, 60(3), 625-648. doi:10.1111/ajps.12181
- Bosley-Smith, E. R., & Reczek, C. (2018). Before and after 'I Do': Marriage processes for mid-life gay and lesbian married couples. *Journal of Homosexuality*, 65(14), 1985-2004.
doi:10.1080/00918369.2017.1423213
- Charlton, B. M., Corliss, H. L., Spiegelman, D., Williams, K., & Austin, S. B. (2016). Changes in reported sexual orientation following US states recognition of same-sex couples. *American Journal of Public Health*, 106(12), 2202-2204. doi:10.2105/AJPH.2016.303449
- Chauveron, L. M., Alvarez, A., & van Eeden-Moorefield, B. (2017). The co-evolution of marriage and parental rights of gays and lesbians. *Journal of GLBT Family Studies*, 13(2), 114-136.
doi:10.1080/1550428X.2016.1187105
- Clark, J. B., Riggle, E. D. B., Rostosky, S. S., Rothblum, E. D., & Balsam, K. F. (2015). Windsor and Perry: Reactions of siblings in same-sex and heterosexual couples. *Journal of Homosexuality*, 62(8), 993-1008. doi:10.1080/00918369.2015.1039360
- DiGregorio, N. (2016). Same-sex marriage policies and lesbian family life. *Sexuality Research & Social Policy: A Journal of the NSRC*, 13(1), 58-72. doi:10.1007/s13178-015-0211-z
- Everett, B. G., Hatzenbuehler, M. L., & Hughes, T. L. (2016). The impact of civil union legislation on minority stress, depression, and hazardous drinking in a diverse sample of sexual-minority women: A quasi-natural experiment. *Social Science & Medicine*, 169, 180-190.
doi:10.1016/j.socscimed.2016.09.036
- Flores, A. R., & Barclay, S. (2016). Backlash, consensus, legitimacy, or polarization: The effect of same-sex marriage policy on mass attitudes. *Political Research Quarterly*, 69(1), 43-56.
doi:10.1177/1065912915621175
- Gash, A., & Raiskin, J. (2018). Parenting without protection: How legal status ambiguity affects lesbian and gay parenthood. *Law and Social Inquiry-Journal of the American Bar Foundation*, 43(1), 82-118. doi:10.1111/lisi.12233

- Goodwin, C., & Butler, C. (2009). Legitimate love: The meaning of civil partnership for the positioning of lesbian and gay people in society. *Sexual and Relationship Therapy, 24*(3-4), 235-248. doi:10.1080/14681990903233061
- Haas, S. M., & Whitton, S. W. (2015). The significance of living together and importance of marriage in same-sex couples. *Journal of Homosexuality, 62*(9), 1241-1263. doi:10.1080/00918369.2015.1037137
- Hooghe, M., & Meeusen, C. (2013). Is same-sex marriage legislation related to attitudes toward homosexuality?: Trends in tolerance of homosexuality in European countries between 2002 and 2010. *Sexuality Research & Social Policy: A Journal of the NSRC, 10*(4), 258-268. doi:10.1007/s13178-013-0125-6
- Hull, K. E. (2019). Same-sex marriage: Principle versus practice. *International Journal of Law Policy and the Family, 33*(1), 51-74. doi:10.1093/lawfam/eby018
- Jowett, A., & Peel, E. (2017). 'A question of equality and choice': Same-sex couples' attitudes towards civil partnership after the introduction of same-sex marriage. *Psychology & Sexuality, 8*(1-2), 69-80. doi:10.1080/19419899.2017.1319408
- Kazyak, E., & Stange, M. (2018). Backlash or a positive response?: Public opinion of LGB issues After Obergefell v. Hodges. *Journal of Homosexuality, 65*(14), 2028-2052. doi:10.1080/00918369.2017.1423216
- Kennedy, H. R., Dalla, R. L., & Dreesman, S. (2018). "We are two of the lucky Ones": Experiences with marriage and wellbeing for same-sex couples. *Journal of Homosexuality, 65*(9), 1207-1231. doi:10.1080/00918369.2017.1407612
- Kreitzer, R. J., Hamilton, A. J., & Tolbert, C. J. (2014). Does policy adoption change opinions on minority rights? The effects of legalizing same-sex marriage. *Political Research Quarterly, 67*(4), 795-808.
- Lannutti, P. J. (2005). For better or worse: Exploring the meanings of same-sex marriage within the lesbian, gay, bisexual and transgendered community. *Journal of Social and Personal Relationships, 22*(1), 5-18. doi:10.1177/0265407505049319
- Lannutti, P. J. (2007a). The influence of same-sex marriage on the understanding of same-sex relationships. *Journal of Homosexuality, 53*(3), 135-151. doi:10.1300/J082v53n03_08
- Lannutti, P. J. (2007b). 'This is not a lesbian wedding': Examining same-sex marriage and bisexual-lesbian couples. *Journal of Bisexuality, 7*(3-4), 237-260. doi:10.1080/15299710802171316
- Lannutti, P. J. (2008). Attractions and obstacles while considering legally recognized same-sex marriage. *Journal of GLBT Family Studies, 4*(2), 245-264. doi:10.1080/15504280802096914
- Lannutti, P. J. (2011a). Examining communication about marriage amendments: Same-sex couples and their extended social networks. *Journal of Social Issues, 67*(2), 264-281. doi:10.1111/j.1540-4560.2011.01697.x
- Lannutti, P. J. (2011b). Security, recognition, and misgivings: Exploring older same-sex couples' experiences of legally recognized same-sex marriage. *Journal of Social and Personal Relationships, 28*(1), 64-82. doi:10.1177/0265407510386136
- Lannutti, P. J. (2013). Same-sex marriage and privacy management: Examining couples' communication with family members. *Journal of Family Communication, 13*(1), 60-75. doi:10.1080/15267431.2012.742088
- Lannutti, P. J. (2018a). Committed, unmarried same-sex couples and their social networks in the United States: Relationships and discursive strategies. *Journal of Homosexuality, 65*(9), 1232-1248. doi:10.1080/00918369.2017.1411690
- Lannutti, P. J. (2018b). GLBTQ people who decided to marry after the 2016 US election: Reasons for and meanings of marriage. *Journal of GLBT Family Studies, 14*(1-2), 85-100. doi:10.1080/1550428X.2017.1420846

- LeBlanc, A. J., Frost, D. M., & Bowen, K. (2018). Legal marriage, unequal recognition, and mental health among same-sex couples. *Journal of Marriage and Family, 80*(2), 397-408. doi:10.1111/jomf.12460
- Lee, J. (2018). Black LGBT identities and perceptions of same-sex marriage. *Journal of Homosexuality, 65*(14), 2005-2027. doi:10.1080/00918369.2017.1423214
- MacIntosh, H., Reissing, E. D., & Andruff, H. (2010). Same-sex marriage in Canada: The impact of legal marriage on the first cohort of gay and lesbian Canadians to wed. *Canadian Journal of Human Sexuality, 19*(3), 79-90.
- Maisel, N. C., & Fingerhut, A. W. (2011). California's ban on same-sex marriage: The campaign and its effects on gay, lesbian, and bisexual individuals. *Journal of Social Issues, 67*(2), 242-263. doi:10.1111/j.1540-4560.2011.01696.x
- McGuffey, C. S. (2018). Intersectionality, cognition, disclosure and Black LGBT views on civil rights and marriage equality: Is gay the new Black? *Du Bois Review-Social Science Research on Race, 15*(2), 441-465. doi:10.1017/s1742058x18000218
- Metheny, N., & Stephenson, R. (2019). Political environment and perceptions of social inclusion after nationwide marriage equality among partnered men who have sex with men in the USA. *Sexuality Research & Social Policy: A Journal of the NSRC, 16*(4), 521-528. doi:10.1007/s13178-018-0357-6
- Ocobock, A. (2013). The power and limits of marriage: married gay men's family relationships. *Journal of Marriage and Family, 75*(1), 191-205. doi:10.1111/j.1741-3737.2012.01032.x
- Ocobock, A. (2018). Status or access? The impact of marriage on lesbian, gay, bisexual, and queer community change. *Journal of Marriage and Family, 80*(2), 367-382. doi:10.1111/jomf.12468
- Ofosu, E. K., Chambers, M. K., Chen, J. M., & Hehman, E. (2019). Same-sex marriage legalization associated with reduced implicit and explicit antigay bias. *PNAS Proceedings of the National Academy of Sciences of the United States of America, 116*(18), 8846-8851. doi:10.1073/pnas.1806000116
- Ogolsky, B. G., Monk, J. K., Rice, T. M., & Oswald, R. F. (2019). Personal well-being across the transition to marriage equality: A longitudinal analysis. *Journal of Family Psychology, 33*(4), 422-432. doi:10.1037/fam0000504
- Perrin, P. B., Smith, E. R., Trujillo, M. A., Rabinovitch, A., & Coy, A. E. (2018). Differential effects of the US Supreme Court's same-sex marriage decision on national support for lesbian, gay, and bisexual civil rights and sexual prejudice. *Sexuality Research & Social Policy, 15*(3), 342-352. doi:10.1007/s13178-017-0302-0
- Philpot, S. P., Ellard, J., Duncan, D., Dowsett, G. W., Bavinton, B. R., Down, I., . . . Prestage, G. (2016). Gay and bisexual men's interest in marriage: An Australian perspective. *Culture, Health & Sexuality, 18*(12), 1347-1362. doi:10.1080/13691058.2016.1184314
- Redman, S. M. (2018). Effects of same-sex legislation on attitudes toward homosexuality. *Political Research Quarterly, 71*(3), 628-641. doi:10.1177/1065912917753077
- Reynolds, R., & Robinson, S. (2019). Marriage as a marker of secular inclusion? Oral history and lesbian and gay narratives on marriage in contemporary Australia. *Journal of Religious History, 43*(2), 269-284. doi:10.1111/1467-9809.12591
- Riggle, E. D. B., Drabble, L., Veldhuis, C., Wootton, A., & Hughes, T. L. (2018). The impact of marriage equality on sexual minority women's relationships with their families of origin. *Journal of Homosexuality, 65*(9), 1190-1206. doi:10.1080/00918369.2017.1407611
- Riggle, E. D. B., Wickham, R. E., Rostosky, S. S., Rothblum, E. D., & Balsam, K. F. (2017). Impact of civil marriage recognition for long-term same-sex couples. *Sexuality Research & Social Policy, 14*(2), 223-232. doi:10.1007/s13178-016-0243-z

- Rostosky, S. S., Riggle, E. D. B., Rothblum, E. D., & Balsam, K. F. (2016). Same-sex couples' decisions and experiences of marriage in the context of minority stress: Interviews from a population-based longitudinal study. *Journal of Homosexuality, 63*(8), 1019-1040. doi:10.1080/00918369.2016.1191232
- Sansone, D. (2019). Pink work: Same-sex marriage, employment and discrimination. *Journal of Public Economics, 180*, 20. doi:10.1016/j.jpubeco.2019.104086
- Schechter, E., Tracy, A. J., Page, K. V., & Luong, G. (2008). Shall we marry? Legal marriage as a commitment event in same-sex relationships. *Journal of Homosexuality, 54*(4), 400-422. doi:10.1080/00918360801991422
- Scott, J., & Theron, L. (2019). The promise of heteronormativity: Marriage as a strategy for respectability in South Africa. *Sexualities, 22*(3), 436-451. doi:10.1177/1363460717713384
- Shulman, J. L., Gotta, G., & Green, R.-J. (2012). Will marriage matter? Effects of marriage anticipated by same-sex couples. *Journal of Family Issues, 33*(2), 158-181. doi:10.1177/0192513X11406228
- Shulman, J. L., Weck, V., Schwing, S., Smith, T., & Coale, E. (2009). The push-pull of policy pressure: A qualitative exploration of the experiences of same-sex marriage policies among non-metropolitan GLB individuals. *Journal of GLBT Family Studies, 5*(4), 340-365. doi:10.1080/15504280903263785
- Tankard, M. E., & Paluck, E. L. (2017). The effect of a Supreme Court decision regarding gay marriage on social norms and personal attitudes. *Psychological Science, 28*(9), 1334-1344. doi:10.1177/0956797617709594
- Thomas, M. (2014). Atrocity stories and triumph stories: Using couple narratives to evaluate same-sex marriage and civil partnership. *Narrative Inquiry, 24*(2), 200-217. doi:10.1075/ni.24.2.02tho
- Vuckovic Juros, T. (2019). Transformative power of same-sex marriage and non-heterosexual reproductivity How parents of glb offspring adjust to their marriage and children. *Journal of GLBT Family Studies*. doi:10.1080/1550428X.2019.1650407
- Wootton, A. R., Drabble, L. A., Riggle, E. D. B., Veldhuis, C. B., Bitcon, C., Trocki, K. F., & Hughes, T. L. (2019). Impacts of marriage legalization on the experiences of sexual minority women in work and community contexts. *Journal of GLBT Family Studies, 15*(3), 211-234. doi:10.1080/1550428X.2018.1474829