ISSUE BRIEF

Title X, the Domestic Gag Rule, and the HIV Response

Title X: The National Family Planning Program

The Title X National Family Planning Program is the only federal grant program dedicated to providing individuals with comprehensive family planning and related health services. Created in 1970, Title X offers care to low-income or uninsured individuals through the provision of grants to public health departments, community health organizations, and other nonprofit agencies. By providing women, their partners, and their families with a range of birth control methods, cancer screening, and other reproductive health services, Title X funding reduces unintended pregnancies, allows the early diagnosis of potentially deadly cancers including breast and cervical cancers, and promotes healthy child development.

On June 1, 2018, the Trump Administration proposed a rule change to Title X stating that health care providers in the program may not "perform, promote, refer for, or support, abortion."¹ On February 22, 2019, The Department of Health and Human Services posted a draft of the final rule, which would take effect 60 days to a year after its publication in the Federal Register—which is pending.² Using Title X funds for abortion has been prohibited since the inception of the program. As such, the Administration's rule (the so-called 'domestic gag rule') does not regulate the provision of abortion services, but rather limits the ability of health care providers to deliver information on the full scope of legally available medical services and dictates the types of care that organizations may provide using their own financial resources.

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Increasing access to sexual and reproductive health (SRH) information is known to result in increased use of contraceptives,³ which leads to fewer unintended pregnancies.⁴ This is especially important in the United States, which continues to have higher numbers of unintended pregnancies than most other high-income countries, and where nearly half of all pregnancies are unintended.⁵ Since unintended pregnancies are associated with greater health risks for the mother and child,⁶ reducing unintended pregnancies is a national priority.⁷

Policies that restrict or enable the provision of information about contraceptives, or impede access to them, can impact pregnancy rates. In one case, Delaware piloted a two-year program that provided quality improvement and technical assistance to Title X programs in order to ensure access to reliable contraceptive methods for all women. An evaluation of the program found that unplanned pregnancies among Title X clients fell by 15%.⁸ In another case, when Texas excluded Planned Parenthood from its Medicaid program in 2013, the number of insurance claims for women receiving long-acting, reversible contraceptives declined by 35.5% and the proportion of childbirths reimbursed by Medicaid increased by 27.1%.⁹

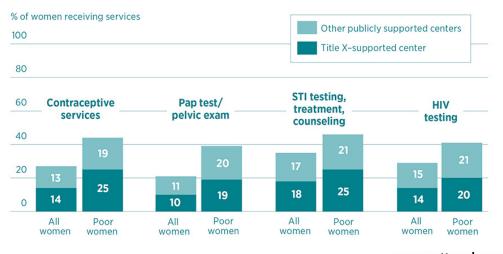
Title X and HIV

Title X grantees are also an important national provider of HIVrelated care, with all grantees required to provide, at a minimum, HIV prevention, counseling, testing, and referral for treatment when appropriate.¹⁰ Changes to Title X can therefore impact communities' abilities to prevent and treat HIV. In 2013, state budget cuts to family planning programs led to the closure of a Planned Parenthood health center in Austin, Indiana, which served as the only site providing free HIV testing in Scott County. One year later, the same county experienced a devastating HIV outbreak among people injecting opioid drugs, totaling more than 200 new HIV infections, with over 90% co-infected with hepatitis C—this, in a county that normally sees less than five new HIV cases a year.¹¹ Better access to affordable and nearby HIV testing services could have prevented delays in identifying the outbreak and enabled a faster public health response.

The HIV epidemic in the United States is marked by extreme inequality. While overall prevalence is low (approximately 0.3%), significant variations exist in both incidence and outcomes. Gay and bisexual men account for 67% of all new HIV diagnoses,¹² with half of all black and Latino men who have sex with men projected to have a diagnosis of HIV in their lifetimes.¹³ Women of color are disproportionately impacted, with 61% and 16% of new

IMPORTANCE OF PUBLICLY SUPPORTED CENTERS

In 2006–2010, one-quarter of U.S. women and nearly half of poor women obtaining contraceptive services did so at safety-net health centers.



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diagnoses among women occurring among African American and Hispanic women, respectively.¹⁴ Significant regional disparities exist, with 44% of all people living with HIV living in the Southern states.¹⁵ Consequently, the success of the U.S. HIV response relies on the ability to reach these groups.

At the end of 2015, there were an estimated 1.1 million people in the U.S. living with HIV, 15% of whom were unaware of their status.¹⁶ Delivering HIV testing services to the populations at highest risk requires that people have access to health care options that are affordable, accessible, and appropriate to their needs. Publicly funded family planning providers, including those supported by Title X, are often a primary source of affordable health care. Indeed, more than 60% of women obtaining care at a publicly funded family planning center reported it as their usual source of health care.¹⁷ A 2012 analysis found that 14% of all women and 20% of women below the federal poverty level who received an HIV test did so at a Title X-supported clinic.¹⁸

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Many Title X-supported facilities are also known to be trusted providers of HIV services. For example, Planned Parenthood health centers deliver a comprehensive program of HIV prevention including PrEP—the once daily medication used to reduce the risk of acquiring HIV—and give referrals to treatment for those newly diagnosed with HIV.^{19,20} Known to clients as a "nonjudgmental" and inclusive provider, Planned Parenthood affiliates are also important and trusted providers of health care services for populations at highest risk of acquiring HIV, including sexually active adolescents and young adults, Black and Latina women, and transgender people, who are three times more likely to be diagnosed with HIV than the national average.^{21, 22}

For transgender individuals, 31% of whom report no regular access to health care, Planned Parenthood is an important source of care. It offers gender-affirming hormone therapy in 82 of its health centers and a range of preventive care to people of all gender identities, including an expanded focus on providing HIV testing and other services to transgender patients.^{23, 24} Furthermore, by providing services for Medicaid enrollees and those without health insurance, Planned Parenthood is also an affordable option for gay and bisexual adults, who are more likely to be underinsured or uninsured.²⁵

Impacts of a domestic gag on Title X grantees

The Administration's rule could impact access to services in several ways. First, by limiting providers' ability to communicate with clients, people receiving care in Title X-supported facilities may not receive complete and medically accurate counseling and referrals that meet their needs. As we have learned from the Mexico City Policy—the 'global gag rule'—this policy is likely to result in unforeseen impacts beyond the effects of its strict requirements, due to misinformation, lack of clarity about the provisions of the rule, and over-implementation to err on the side of compliance, in what is known as the 'chilling effect.'²⁶

Facilities that do not comply with the provisions of the policy would be unable to receive Title X grants. Planned Parenthood, for example, has made clear that due to its organizational commitment to ensure patients have full information about their medical options, the "gag rule" would force its health centers to withdraw from Title X.²⁷ Planned Parenthood is the largest private provider of reproductive health services in the U.S., serving 41 percent of patients who rely on Title X for contraception nationwide (1.6 million).²⁸ As a result, the enactment of the rule would result in the termination of federal contracts with one of the most extensive and effective sexual and reproductive health providers in the nation.

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As outlined in a 2015 Congressional Budget Office (CBO) analysis, ending federal contracts with Planned Parenthood health centers could lead to several adverse outcomes.²⁹

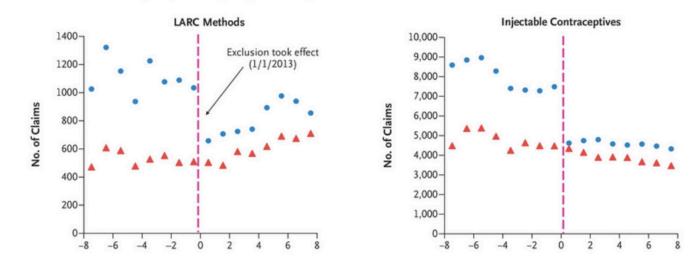
As a consequence of losing Title X, it is likely that many of these health centers would be required to reduce their client load, resulting in clients either being displaced to other clinics or falling out of care. Disrupting stable connections to health care is not just a logistical challenge, but also threatens clients' continued use of services, especially for women living below the poverty level who are already less likely to report a usual source of care.³⁰ Having a usual source of health care increases utilization of preventive health services and results in better health outcomes.³¹ The loss of this source of funding may also result in a reduction of services, including the provision of contraceptives, cancer screenings, and preconception care.

In the most extreme case, some Planned Parenthood health centers may close entirely, with all of their patient population displaced to surrounding facilities—if they exist. This is not unlikely: an assessment of historical examples of states ending their contracts with Planned Parenthood reveals that at least some health centers are likely to close.³² The closure of health centers would impact not just those receiving family planning services, but also the entire client population receiving care at these sites, including Medicaid recipients and those without insurance.

Finally, because Planned Parenthood affiliates vary in their level of participation in Title X, the near-term financial impact of losing Title X in some communities may be more limited. In all likelihood, however, facilities would not be able to sustain these budget cuts over multiple years. Additionally, the CBO estimates that in some cases the loss of Medicaid funding could not be offset by other funding sources. However, while Title X funds constitute a smaller proportion of Planned Parenthood's revenue than Medicaid, a cut of this magnitude is unlikely to be replaced by other sources over the long term.

Figure 1. Change in the number of Medicaid claims for long-acting reversible contraceptives (LARC methods) and injectable contraceptives after the exclusion of Planned Parenthood facilities from Medicaid, in Texan counties with and without Planned Parenthood affiliates. Stevenson 2016 *N Engl J Med.*





Counties with Planned Parenthood Affiliates
Counties without Planned Parenthood Affiliates

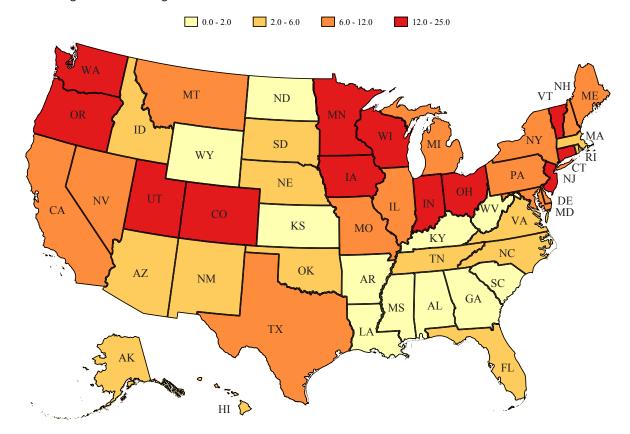


Figure 2. Percentage of HIV testing facilities that are Planned Parenthood health centers

The state of Texas provides a glimpse into the possible consequences of significant funding cuts for Planned Parenthood. In 2011, Texas enacted two pieces of legislation that dramatically reduced public funding for family planning. Title X funding was reduced by approximately 67%. The remaining funds were allocated according to a tiered system, with Planned Parenthood health centers lowest in funding priority. Of the 200,000 Texans receiving care through publicly funded programs, 40% had been patients at a Planned Parenthood health center.

Disrupting stable connections to health care threatens clients' continued use of services.

The new legislation greatly reduced access to family planning clinics, with one-quarter of clinics closing in 2012. Clinics that remained open were often forced to reduce hours of operation and the size of their staff.³³ Funds previously distributed to high-volume providers, like Planned Parenthood, were instead re-allocated to smaller organizations that were incapable of absorbing a large client population.³⁴ For example, in 2017, the anti-abortion Heidi Group was contracted to serve 70,000 patients, yet delivered services to less than 5% of that number. The Heidi Group was not an isolated case; in 2018, half of the

Healthy Texas Women (the state's Title X-funded program) contractors had funds revoked after underperforming.³⁵

If implemented, the domestic gag rule could not only undermine women's access to reproductive health services, but also impede access to HIV testing for low-income populations, threatening the national response to the HIV epidemic as a result. Although the global effects of the Mexico City Policy continue to be examined, the potential impacts of a domestic gag rule are poorly understood. Using clinic and client data for Planned Parenthood health centers receiving Title X grants, we analyzed how the rule could impact one major Title X grantee. Other Title X recipients could similarly reject the terms and the funding; however, this analysis conservatively estimates the impact on Planned Parenthood health centers alone.

Estimated impacts of domestic gag rule on the HIV response: a primary analysis

According to our analysis, \$245.8 million in Title X grants was awarded to states in 2017 for the provision of family planning services, of which 25.3% (\$63.4 million) was allocated to Planned Parenthood health centers.³⁶ There are currently 617 Planned Parenthood health centers in operation in the U.S., 420 of which received Title X funding grants (68.1%).³⁷ The termination of these grants is likely to create large gaps in access to HIV testing. In 2016, Title X-supported clinics administered 1.2 million HIV tests and diagnosed 2,824 people with HIV,³⁶ accounting for 7.1% of the 39,782 diagnoses that year.³⁹ Planned Parenthood health centers administered more than 700,000 tests, and based on estimates from the Guttmacher Institute, they diagnosed between 729 and 1,158 people with HIV in 2016.⁴⁰

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In many states, Planned Parenthood health centers are an important part of the HIV testing infrastructure. Of the 7,666 clinics and hospitals currently providing HIV testing in the U.S., 8% are Planned Parenthood affiliate sites.⁴¹ This proportion is highly variable by state. In Vermont, for example, more than 23% of all HIV testing sites are Planned Parenthood health centers. In Connecticut, where Planned Parenthood facilities constitute 16% of HIV testing sites, the closure of these sites would reduce the density of HIV testing facilities by 22%. In these contexts, it is unlikely that such a large patient volume could be shifted from Planned Parenthood affiliates to other nearby facilities without service disruptions. The impact would be greater still if other Title X recipients such as state and county health departments similarly lost grant funding.

Furthermore, our analysis showed that in seven states, more than 40% of all Title X grant recipients are Planned Parenthood affiliates. This suggests that in some communities these facilities may be the only Title X recipients, or nearby clinics may be unable to absorb the sites' entire clientele. In other states, there may not be any other providers at all due to severe shortages of health care providers. In Alaska, Washington, Montana, and rural states where Planned Parenthood is a major Title X recipient, less than 40% of primary health care need is being met.⁴² People living with HIV who experience stigma and discrimination at other clinics are likely to fall out of care entirely.43 In rural states or in regions with large gaps in access to care, defunding a major provider of sexual health services is likely to leave a growing number of small communities-such as Scott County-without any site for uninsured individuals to receive HIV testing and prevention services.

Conclusion

This analysis reveals the critical role of Title X clinics and Planned Parenthood health centers specifically in the national HIV response. If implemented, the Title X rule change is likely to reduce access to HIV testing services in many states. This comes in the wake of President Trump's State of the Union Address pledging to end HIV in the U.S. by 2030—an ambitious goal that cannot be met if other Administration-led polices undermine the delivery of HIV services for the country's most vulnerable.

As shown in the Scott County outbreak, insufficient access to HIV services can be devastating. With the continuing public health crisis of opioid use in the U.S., gaps in access to HIV testing and preventive services will leave more communities vulnerable to HIV outbreaks, undermining the national response to the HIV epidemic.

Notes on the methodology

To describe the role of Planned Parenthood (PPFA) as a provider of HIV testing and diagnoses, we first compiled a list of all PPFA affiliate health centers operating in the United States from the organization's web-based health center finder.44 The full set of federally qualified health centers in 2017 was taken from HRSA's National Disaggregated Health Center Dataset.⁴⁵ We extracted Title X funding recipients from the Title X Family Planning Directories from July 2018.⁴⁶ Finally, the list of facilities or sites providing HIV testing was extracted from HIV.gov's HIV Testing Sites & Care Services Locator.⁴⁷ In both the Title X funding data and the HIV testing site data. PPFA affiliate sites were identified as those where the organization name included 'Planned Parenthood.' We then calculated, by county and state, the number of PPFA sites overall, those receiving Title X funding, and those identified by the HIV testing locator as HIV testing sites. We also counted the number of FQHCs and non-PPFA Title X recipients and HIV testing sites.

The amount of federal Title X funding disbursed to PPFA affiliates in 2017 was estimated using the USA Spending database award search,⁴⁸ and compiling transaction data for both prime and subprime grantees.⁴⁹ The ceiling of funding lost to PPFA Title X recipients is thus calculated as the sum of the total retained by PPFA prime recipients and the total disbursed to PPFA subprime recipients.

To contrast access to facilities and unmet need for primary health care services, we used Primary Care Health Professional Shortage Areas (HPSAs), as reported by HRSA and presented by Kaiser Family Foundation.⁵⁰ Finally, to measure the role of PPFA affiliates in diagnosing people with HIV, we extracted the number of people diagnosed with HIV from the 2017 Title X Family Planning Annual Report.⁵¹ This figure was contrasted with the total number of people diagnosed with HIV in the United States.⁵²

REFERENCES

- U. S. Department of Health & Human Services. Title X Notice of Proposed Rulemaking. Updated June 1, 2018. Available at https://www.hhs.gov/opa/titlex-family-planning/about-title-x-grants/statutes-and-regulations/index.html
- 2. U.S. Department of Health & Human Services. Fact Sheet: Final Title X Rule Detailing Family Planning Grant Program. February 22, 2019. Available at: https://www.hhs.gov/about/news/2019/02/22/fact-sheet-final-title-x-rule-detailing-family-planning-grant-program.html
- Shlay JC et al., Initiating contraception in sexually transmitted disease clinic setting: a randomized trial, *American Journal of Obstetrics & Gynecology*, 2003, 189(2):473–481.
- Harper CC, Rocca CH, Thompson KM, Morfesis J, Goodman S, Darney PD. Reductions in pregnancy rates in the USA with long-acting reversible contraception: a cluster randomised trial. *The Lancet.* 2015 Aug; 386(9993):P562-8.
- Unintended pregnancy in the United States. Guttmacher Institute. 2016 Sep. Available online at https://www.guttmacher.org/fact-sheet/unintended-pregnancy-united-states.
- Unintended Pregnancy in the United States. Guttmacher Institute. 2016 Sep. Available online at https://www.guttmacher.org/fact-sheet/unintended-pregnancy-united-states.
- Unintended Pregnancy. U.S. Centers for Disease Control and Prevention. 2015 Jan. Available online at <https://www.cdc.gov/reproductivehealth/ unintendedpregnancy/index.htm>.
- Welti K, Manlove J. Unintended pregnancy in Delaware: Estimating change after the first two years of an intervention to increase contraceptive access. Upstream USA. 2018 Mar. Available online at https://www.upstream.org/wp-content/ uploads/2018/03/2018-05_unintendedpregnancyDE-1.pdf.
- Stevenson, A. J., Flores-Vazquez, I. M., Allgeyer, R. L., Schenkkan, P., & Potter, J. E. (2016). Effect of removal of planned parenthood from the Texas Women's Health Program. *New England Journal of Medicine*, 374(9), 853-860
- HIV prevention in family planning. U.S. Department of Health and Human Services. 2018 Jun. Available online at https://www.hhs.gov/opa/title-x-familyplanning/preventive-services/hiv-prevention/index.html>.
- Schuster MA, Collins R, Cunningham WE, Morton SC, Zierler S, Wong M, Tu W, Kanouse DE. (2005). Perceived discrimination in clinical care in a nationally representative sample of HIV-infected adults receiving health care. *J Gen Intern Med* 20(9): 807-13.
- 12. U.S. Statistics. HIV.gov. 2018 Jul. Available online at https://www.hiv.gov/hiv-basics/overview/data-and-trends/statistics.
- Lifetime risk of HIV diagnosis. U.S. Centers for Disease Control and Prevention. 2016 Feb. Available online at <https://www.cdc.gov/nchhstp/newsroom/2016/ croi-press-release-risk.html>.
- 14. U.S. Statistics. HIV.gov. 2018 Jul. Available online at https://www.hiv.gov/hiv-basics/overview/data-and-trends/statistics.
- HIV in the Southern United States. CDC Issue Brief. U.S. Centers for Disease Control and Prevention. 2016 May. Available online at https://www.cdc.gov/ hiv/pdf/policies/cdc-hiv-in-the-south-issue-brief.pdf>.
- U.S. Centers for Disease Control and Prevention. HIV in the United States: At a Glance. Updated August 6, 2018. Available at https://www.cdc.gov/hiv/statistics/ overview/ataglance.html
- Publicly Funded Family Planning Services in the United States. Guttmacher Institute. 2016 Sep. Available online at <https://www.guttmacher.org/fact-sheet/ publicly-funded-family-planning-services-united-states>.
- Frost JJ, Gold RB and Bucek A, Specialized family planning clinics in the United States: why women choose them and their role in meeting women's health care needs, Women's Health Issues, 2012, 22(6):e519–e525.
- Planned Parenthood. Planned Parenthood Announces New Phase of HIV Prevention Initiative. July 10th, 2018. Available at https://www. plannedparenthood.org/about-us/newsroom/press-releases/plannedparenthood-announces-new-phase-of-hiv-prevention-initiative

- 20. Planned Parenthood. 2016-2017 Annual Report. Available at https://www. plannedparenthood.org/uploads/filer_public/71/53/7153464c-8f5d-4a26bead-2a0dfe2b32ec/20171229_ar16-17_p01_lowres.pdf
- Outsmart Magazine. Planned Parenthood Provides a Non-judgmental Place for Health care. Rebecca Hazen, December 19, 2016. Available at http:// www.outsmartmagazine.com/2016/12/planned-parenthood-provides-a-nonjudgmental-place-for-health care/
- 22. CDC. HIV among Transgender People. Updated April 23, 2018. Available at https://www.cdc.gov/hiv/group/gender/transgender/index.html
- NPR. Discrimination in America: Experiences and Views of LGBTQ Americans. November 2017. Available at https://www.npr.org/documents/2017/nov/nprdiscrimination-lgbtq-final.pdf
- 24. Planned Parenthood. What do I need to know about trans health care? Available at https://www.plannedparenthood.org/learn/sexual-orientationgender/trans-and-gender-nonconforming-identities/what-do-i-need-knowabout-trans-health-care
- Urban Institute. QuickTake: Uninsurance Rate Nearly Halved for Lesbian, Gay, and Bisexual Adults since Mid-2013. April 16, 2015. Available at http://hrms. urban.org/quicktakes/Uninsurance-Rate-Nearly-Halved-for-Lesbian-Gay-and-Bisexual-Adults-since-Mid-2013.html
- Prescribing chaos in global health: The Global Gag Rule from 1984-2018. CHANGE. 2018 Jun. Available online at http://www.genderhealth.org/files/uploads/change/publications/Prescribing_Chaos_in_Global_Health_full_report.pdf>.
- 27. PPFA Title X NPRM Comments. Available at: https://www.regulations.gov/ document?D=HHS-OS-2018-0008-198841
- Frost, J., Frohwirth, I., Blades, N., Zolna, M., Douglas-Hall, A., Bearak, J. (2017) Publicly Funded Contraceptive Services At U.S. Clinics, 2015. Guttmacher Institute.
- 29. Congressional Budget Office. Re: Budgetary Effects of Legislation That Would Permanently Prohibit the Availability of Federal Funds to Planned Parenthood. September 22 2015. Available at https://www. cbo.gov/sites/default/files/114th-congress-2015 2016/costestimate/ ltrpermanentdefundplannedparenthood.pdf
- 30. Kaiser Family Foundation. Women's Connections to the Health care Delivery System: Key Findings from the 2017 Kaiser Women's Health Survey. March 13 2018. Available at https://www.kff.org/womens-health-policy/issue-brief/ womens-connections-to-the-health care-delivery-system-key-findings-fromthe-2017-kaiser-womens-health-survey/
- Witt WP, Fullerton CA, Chow C, Gokhale M, Naeger S, Walsh C, Karnell L. (2017). Effect of Having a Usual Source of Care on Health Care Outcomes among Children with Serious Emotional Disturbance. Academic Pediatrics 17(1): 45-52. Doi: 10.1016/j.acap.2016.06.001
- The Atlantic. Losing Planned Parenthood. Elaine Godfrey, May 26, 2017. Available at https://www.theatlantic.com/politics/archive/2017/05/losingplanned-parenthood/528231/
- Fischer S, Royer H, White C. (2018). The impacts of reduced access to abortion and family planning services on abortions, births, and contraceptive purchases. *Journal of Public Economics* 167: 43-68. Doi: https://doi. org/10.1016/j.jpubeco.2018.08.009.
- Center for Public Policy Priorities. Five things to look for in the upcoming report on Texas family planning programs. Available at https://forabettertexas.org/ images/what_to_look_for_in_Rider_97_report_4_22_18_sp.pdf.
- Texas Observer. Texas Anti-Abortion Family Planning Group Promised to Serve 70,000 Women. It Served 3,300. Sophie Novack, September 26, 2018. Available at https://www.texasobserver.org/texas-anti-abortion-familyplanning-group-promised-to-serve-70000-women-it-served-3300/
- 36. USA Spending. Available at https://www.usaspending.gov/#/
- Office of Population Affairs. Title X Family Planning Directory. Updated July 2018. Available at https://www.hhs.gov/opa/sites/default/files/Title-X-Family-Planning-Directory-July2018.pdf

- Office of Population Affairs. Title X Family Planning Annual Report 2016 National Summary. August 2017. Available at https://www.hhs.gov/opa/sites/default/ files/title-x-fpar-2016-national.pdf
- U.S. Statistics. HIV.gov. 2018 Jul. Available online at https://www.hiv.gov/hiv-basics/overview/data-and-trends/statistics.
- Frost JJ, Frohwirth LF, Blades N, Zolna MR, Douglas-Hall A, Bearak J. Publicly Funded Contraceptive Services at U.S. Clinics, 2015. April 2017. Available at https://www.guttmacher.org/sites/default/files/report_pdf/publicly_funded_ contraceptive_services_2015_3.pdf
- 41. HIV Testing Sites & Care Services Locator. Available at https://www.hiv.gov/ locator
- 42. Kaiser Family Foundation. Primary Care Health Professional Shortage Areas (HPSAs). Updated December 31, 2017. Available at https://www.kff.org/other/ state-indicator/primary-care-health-professional-shortage-areas hpsas/?current Timeframe=0&sortModel=%7B%22colld%22:%22 Location%22,%22sort%22: %22asc%22%7D
- Schuster MA, Collins R, Cunningham WE, Morton SC, Zierler S, Wong M, Tu W, Kanouse DE. (2005). Perceived discrimination in clinical care in a nationally representative sample of HIV-infected adults receiving health care. *J Gen Intern Med* 20(9): 807-13.
- 44. Planned Parenthood. Available at https://www.plannedparenthood.org/
- Health Resources & Services Administration. 2016 National Health Center Data. Available at https://bphc.hrsa.gov/uds2016/datacenter. aspx?state=national&year=2017.
- Office of Population Affairs. Title X Family Planning Directory. Updated July 2018. Available at https://www.hhs.gov/opa/sites/default/files/Title-X-Family-Planning-Directory-July2018.pdf
- HIV Testing Sites & Care Services Locator. Available at https://www.hiv.gov/ locator
- 48. CFDA Program 93.217 Family Planning Services
- 49. USA Spending. Available at https://www.usaspending.gov/#/
- 50. Kaiser Family Foundation. Primary Care Health Professional Shortage Areas (HPSAs). Updated December 31, 2017. Available at https://www.kff.org/other/ state-indicator/primary-care-health-professional-shortage-areas-hpsas/?curren tTimeframe=0&sortModel=%7B%22colld%22:%22Location%22,%22sort%22: %22asc%22%7D
- Office of Population Affairs. Title X Family Planning Annual Report, 2017 National Summary. August 2018. Available at https://www.hhs.gov/opa/sites/default/ files/title-x-fpar-2017-national-summary.pdf.
- 52. CDC Atlas Plus. Available at: https://gis.cdc.gov/grasp/nchhstpatlas/main.html



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