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### Authors

McCarthy, Molly  
Upadhyay, Ushma  
Biggs, M Antonia  
[et al.](#)

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## 1Abstract

2 In the U.S., groups advocating for and against abortion rights often deploy public health  
3arguments to advance their positions. Recently, these arguments have evolved into state laws that  
4use the government health department infrastructure to increase law enforcement and regulatory  
5activities around abortion. Many major medical and public health associations oppose these new  
6laws because they are not evidence-based and do not protect women’s health. Yet, state health  
7departments have been defending these laws in court. In this commentary, we propose a 21<sup>st</sup>  
8Century public health approach to abortion based in an accepted public health framework.  
9Specifically, we apply the 10 Essential Public Health Services framework to abortion to describe  
10how health departments should engage with abortion. With this public health framework as our  
11guide, we argue that health departments should be: facilitating women’s ability to obtain an  
12abortion in the state and county where they reside; researching barriers to abortion care in their  
13states and counties; and promoting the use of a scientific evidence base in abortion-related laws,  
14policies, regulations, and implementation of essential services.

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18 Government public health agencies in the United States have been involved with abortion  
19for close to 50 years. Historically, these agencies have focused on abortion-related data  
20collection, clinical quality improvement, and research synthesis.<sup>1-4</sup> More recently, public health  
21agencies have found themselves tasked with defending, implementing, and enforcing abortion-  
22related laws that are not consistent with public health frameworks. In one recent example, the  
23state health department of Texas was tasked with enforcing a law – House Bill 2 (HB2)<sup>5</sup> – that  
24applied stringent regulations on abortion providers. The stringency of the HB2 regulations  
25greatly exceeded those applied to other comparable medical procedures.<sup>6</sup> Like other recent  
26abortion-related bills introduced in state legislatures, HB2 was passed with the stated goal of  
27ensuring the health and safety of abortion patients. It was passed with this stated goal despite a  
28lack of evidence of an abortion patient safety problem<sup>7,8</sup> or that the new regulations would have  
29improved patient safety. HB2 was based on model legislation published by Americans United  
30For Life, an anti-abortion-rights group that seeks to limit women’s ability to obtain abortions.<sup>9</sup>  
31HB2 regulations proved so difficult to comply with that the law’s enforcement led to the closure  
32of about half of the abortion facilities in Texas and threatened the closure of another dozen.<sup>10</sup>

33 Two provisions of HB2 were challenged in court,<sup>6</sup> and major medical and public health  
34associations – including the *American Medical Association*, the *American Congress of*  
35*Obstetricians and Gynecologists*, and the *American Public Health Association* - submitted  
36amicus briefs in opposition to the law.<sup>11 12</sup> The Supreme Court held that laws regulating the  
37provision of abortion are unconstitutional if the burdens they impose (e.g. on women’s ability to  
38obtain abortions) are not balanced by proportional benefits (e.g. to patient safety). It also  
39instructed future courts considering challenges to such laws to carefully assess whether the law is  
40based on credible evidence, and to not just rely on speculation by or judgment of legislators. <sup>6</sup> In  
41this ruling, the country’s highest court affirmed core public health principles for evidence-based  
42public health.<sup>13</sup>

43 A number of public health publications have discussed and evaluated HB2 and the *Whole*  
44*Woman’s Health* decision (e.g. <sup>14-16</sup>). There does not appear to have been a focus in this literature  
45on the fact that the Commissioner of the Texas Department of State Health Services was the  
46defendant in the court case. These publications also do not appear to have substantively  
47discussed what it means for public health departments to serve in the role of defending,

48implementing, and enforcing abortion-related policies that reduce access to health services and  
49are inconsistent with the best available scientific evidence.

50        Considering the role of health departments in abortion-related laws is critical. Since 2010,  
51there has been a dramatic increase in the number of state-level laws restricting abortion<sup>17</sup> and  
52state health departments' primary abortion-related activities appear to be implementing and  
53enforcing such laws.<sup>18</sup> While the *Whole Woman's Health* decision ruled that Texas's HB2 was  
54unconstitutional and blocked its enforcement, the issue of health departments' abortion-related  
55activities has not gone away. Laws with requirements similar to HB2 remain either in place or  
56on-hold in multiple other states while court cases challenging them continue.<sup>19</sup> Other laws  
57require health departments to implement and enforce requirements that abortion providers  
58present inaccurate information to women seeking abortion as part of the consent process.<sup>18,20</sup>  
59Model legislation proposed by Americans United For Life in 2016 continues to focus on passing  
60laws that use the public health infrastructure – specifically, increasing abortion vital statistics and  
61complications data gathering requirements.<sup>21</sup> We note that these proposed data surveillance  
62practices may appear reasonable, but the particulars of the proposed laws in fact require that  
63abortion data be collected in a way that is burdensome, collects more than the minimum data  
64points necessary for the public health purpose, and risks patient privacy.<sup>22</sup> The proposed  
65complications data gathering requirements also differ from adverse event data collection for  
66other outpatient medical procedures, which is typically done by non-government bodies as part  
67of quality improvement efforts.<sup>23</sup>

68        We certainly recognize that state health officials have obligations to enforce health-  
69related laws developed by state legislatures. Yet, we are concerned about the role health  
70departments have played in HB2 and similar cases.<sup>24</sup> While there is no evidence that laws such as  
71HB2 improve patient safety, there is evidence that HB2 limited women's ability to obtain  
72abortions.<sup>10</sup> Research consistently shows that limiting women's ability to obtain abortions has an  
73adverse effect on women's health and well-being<sup>25,26</sup> and thus is counter to public health efforts  
74to protect and improve women's health. Enforcing laws and defending regulations that have no  
75basis in scientific evidence and which evidence indicates may worsen women's health violate the  
76public health principles (e.g.<sup>13</sup>) in which we were trained as public health professionals. As an  
77alternative to continuing to allow legislators to define the abortion-related activities in which

78health departments engage, we propose what health departments might do if they used an  
79accepted public health framework to guide their abortion-related activities.

80

### 81A 21<sup>st</sup> Century Public Health Approach to Abortion

82 Drawing on our collective experience in public health research and practice, we propose a  
8321<sup>st</sup> Century public health approach to abortion that is based in an accepted public health  
84framework and thus, considers the role of public health agencies beyond vital statistics data  
85collection and enforcement of anti-abortion legislation. Specifically, we apply the 10 Essential  
86Public Health Services to abortion to propose how health departments should engage with  
87abortion. Our proposed approach describes what health department activities related to abortion  
88might look like if health departments were to use an accepted public health framework to guide  
89their abortion-related activities rather than focus primarily on enforcing abortion-related laws.  
90We offer this description to current and new public health professionals, who may be asked to or  
91have the opportunity to use the health department infrastructure to engage in public health  
92services related to abortion.

93 We base this analysis on a widely accepted public health framework – the 10 Essential  
94Public Health Services.<sup>27</sup> Briefly, in 1994, the Public Health Functions Steering Committee of the  
95Public Health Service published a framework outlining the core services of public health<sup>28</sup> with  
96the aim of measuring and improving the performance of public health core functions. Multiple  
97federal, state, and local governments have used these essential services to guide, categorize, and  
98assess their public health activities and identify gaps in what they should be doing.<sup>28,29</sup>

99 In Table 1, we apply the framework to abortion and offer examples of what each  
100essential service could look like for abortion. Health department activities based in the  
101framework would include: facilitating women’s ability to obtain an abortion in the state and  
102county where she resides, researching barriers to abortion care in their states and counties, and  
103promoting the use of a scientific evidence base in abortion-related laws, policies, regulations, and  
104implementation of essential services.

### 105Making the 21<sup>st</sup> Century approach a reality

106 Some of the abortion-related Essential Public Health Services we have outlined and  
107summarized are well-within current health department practices, e.g. collecting vital statistics  
108data according to accepted public health standards.<sup>18,30</sup> Reaching a point where all health

109departments provide all of the abortion-related Essential Public Health Services outlined is not a  
110realistic short-term expectation. However, there are short-term opportunities for health  
111departments to improve the quality of their abortion-related work and begin to expand their  
112abortion-related essential public health services. They can do this by looking to other health  
113departments and drawing on experiences from services already provided in related areas. We  
114describe a few examples below.

115 Services such as developing or enforcing facility standards and conducting quality  
116assurance and improvement work (a value-neutral description version of what HB2 required the  
117Texas Department of State Health Services to do, if that work was based in evidence) are within  
118the domain of health departments. Some health departments – such as Maryland and North  
119Carolina – have developed abortion facility standards in a way that incorporates the best  
120available scientific evidence and conforms to standards for evidence-based public health.<sup>13,31,32</sup>  
121There is also historical precedent. Local health departments set facility standards for abortion in  
122the 1970s and both local health departments and the federal government engaged in clinical  
123quality improvement for abortion in the 1970s through 1990s.<sup>2,4</sup> When doing these abortion-  
124related activities, these local and federal health departments relied heavily on the data and  
125evidence they gathered to inform their abortion facility-standards and to improve the quality of  
126abortion care.

127 Other services – such as facilitating women’s ability to obtain abortions through activities  
128such as transportation support, ensuring local availability of abortion services, and directly  
129providing abortion services when no other provider exists – go against the tide of how many state  
130health departments currently engage with abortion. Yet, these services are not unusual services  
131for health departments to engage in; many health departments provide transportation support and  
132ensure local availability of prenatal care providers and some directly provide health care services  
133for pregnant women planning to give birth.<sup>33</sup> Some of these are also abortion-related activities  
134that local health departments provided soon after abortion became legal.<sup>4</sup> A few local health  
135departments currently facilitate women’s ability to obtain abortions through listing information  
136about abortion among other local reproductive health and social services.<sup>18</sup> Facilitation activities  
137by state health departments would dramatically extend abortion-related essential public health  
138services.

139 To begin moving towards aligning health departments' abortion-related activities with an  
140accepted public health framework, public health professionals in health departments could  
141choose one essential service that meets the needs of their community. On a longer time frame,  
142public health professionals can take steps to achieve the long-term vision of having all health  
143departments' abortion-related activities aligned with an accepted public health framework. Public  
144health professionals in a variety of settings should consider and engage with this list of essential  
145abortion-related services to improve it. Public health professionals should consider not just what  
146is feasible, but what health departments should be doing if politics and resources were not  
147barriers. Public health professionals should then revise and enhance descriptions of abortion-  
148related Essential Public Health Services. Research will be needed to understand barriers to  
149carrying out this work in health departments. Public health professionals will need to map the  
150abortion-related Essential Public Health Services in which other non-governmental organizations  
151already engage. Public health professionals will then have to consider which services should  
152reside within health departments versus which should be carried out by other organizations.

153 There is no question that this process will be challenging. However, the alternative is to  
154have legislators define how the public health infrastructure is employed in relation to abortion.  
155The consequences of allowing legislators to decide has already been documented in states where  
156health departments have enforced restrictive abortion laws, resulting in women who seek  
157abortions obtaining abortions later in pregnancy or being unable to obtain an abortion  
158altogether.<sup>10,34</sup>

159

### 160**Moving forward**

161 This is a key moment in the history of public health and abortion in the U.S. It is essential  
162to open the conversation about government public health's role in abortion so current and future  
163generations of public health professionals have guidance when they are asked to perform new  
164abortion-related services. We see this Commentary as a first step to inspire a crucial conversation  
165about how health departments should engage with abortion. Our list is by no means exhaustive,  
166and we welcome feedback and thoughts about how to continue this conversation. This  
167conversation needs to occur throughout the U.S.; in Schools of Public Health and in health  
168departments; at the federal, state and local level; and across our professional discipline. Public

169health professionals should define the abortion-related services in which health departments  
170should engage. The time to start doing so is now.

171



## 172 **About the authors**

173 Sarah Roberts, DrPH and Nancy Berglas, DrPH are at ANSIRH, Bixby Center for Global  
174 Reproductive Health, University of California, San Francisco. Liza Fuentes, DrPH was at Ibis  
175 Reproductive Health while working on this manuscript and is now at the Guttmacher Institute.  
176 Amanda Dennis, DrPH was at Ibis Reproductive Health and is now at the Society of Family  
177 Planning.

## 178 **Corresponding Author contact information**

179 Sarah CM Roberts, DrPH, Associate Professor, ANSIRH, Dept. of Obstetrics, Gynecology, and  
180 Reproductive Sciences, University of California, San Francisco, 1330 Broadway, Suite  
181 1100, Oakland, CA 94612, Phone: 510-986-8962, Fax: 510-986-8960, sarah.roberts@ucsf.edu

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## 184 **Contributor statement**

185 SR led the development of the concept, led the literature review, led the development of the  
186 content, drafted the manuscript and incorporated co-author feedback. LF contributed to the  
187 concept, participated in the literature review, contributed to the content, and provided feedback  
188 on the manuscript. NB contributed to the concept and provided feedback on the manuscript. AD  
189 contributed to the concept, participated in the literature review, contributed to the content, and  
190 provided feedback on the manuscript. All authors approved the final version of the manuscript.

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197 No human subjects were involved.

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2051. Lincoln R. The Institute of Medicine reports on legalized abortion and the public health. .  
206 *Fam Plann Perspect.* 1975;7(4):185-188.
2072. Cates W Jr, Grimes DA, Schulz KF. The public health impact of legal abortion: 30 years  
208 later. *Perspect Sex Reprod Health.* 2003;35(1):25-28.
2093. Koop CE. Post abortion syndrome: myth or reality? *Health Matrix.* 1989;7(2):42-44.
2104. Packwood B. The role of the federal government. *Clin Obstet Gynecol.* 1971;14(4):1212-  
211 1224.
2125. Texas H.B. No. 2. 83<sup>rd</sup> Legislature § 2 (2013).
2136. *Whole Woman's Health v. Hellerstedt.* 136 S. Ct. 2292, 2309-10, 2315-16.
2147. Raymond EG, Grossman D, Weaver MA, Toti S, Winikoff B. Mortality of induced  
215 abortion, other outpatient surgical procedures and common activities in the United States.  
216 *Contraception.* 2014;90(5):476-479
2178. Upadhyay UD, Desai S, Zlidar V, et al. Incidence of emergency department visits and  
218 complications after abortion. *Obstet Gynecol.* 2015;125(1):175-183.
2199. Americans United For Life. *Abortion Patients' Enhanced Safety Act Model Legislation &*  
220 *Policy Guide for the 2014 Legislative Year.* [http://www.aul.org/downloads/2014-](http://www.aul.org/downloads/2014-Legislative-Guides/abortion/Abortion_Patients_Enhanced_Safety_Act-2014_LG.pdf)  
221 [Legislative-Guides/abortion/Abortion\\_Patients\\_Enhanced\\_Safety\\_Act-2014\\_LG.pdf.](http://www.aul.org/downloads/2014-Legislative-Guides/abortion/Abortion_Patients_Enhanced_Safety_Act-2014_LG.pdf)  
222 Published 2013. Accessed October 6, 2016
22310. Grossman D, Baum S, Fuentes L, et al. Change in abortion services after implementation  
224 of a restrictive law in Texas. *Contraception.* 2014;90(5):496-501.
22511. *Brief for American College of Obstetricians and Gynecologists et al. as Amici Curiae*  
226 *Supporting Petitioners, Whole Woman's Health v Cole. No. 15-274.: S. Ct.*
22712. *Brief for American Public Health Association et al. as Amici Curiae Supporting*  
228 *Petitioners, Whole Woman's Health v Cole No. 15-274*
22913. Brownson RC, Fielding JE, Maylahn CM. Evidence-based public health: a fundamental  
230 concept for public health practice. *Annu Rev Public Health.* 2009;30:175-201.
23114. Charo RA. Whole Women's Victory - or Not? *N Engl J Med.* 2016;375:809-811.
23215. Reingold RB, Gostin LO. Women's health and abortion rights: Whole Woman's Health v  
233 Hellerstedt. *JAMA.* 2016;316(9):925-926.
23416. Grossman D. The use of public health evidence in Whole Woman's Health v Hellerstedt.  
235 *JAMA Intern Med.* 2017;177(2):155-156.
23617. Nash E, Gold RB, Rathbun G, Ansari-Thomas Z. *Laws Affecting Reproductive Health*  
237 *and Rights: 2015 State Policy Review.* [https://www.guttmacher.org/laws-affecting-](https://www.guttmacher.org/laws-affecting-reproductive-health-and-rights-2015-state-policy-review)  
238 [reproductive-health-and-rights-2015-state-policy-review.](https://www.guttmacher.org/laws-affecting-reproductive-health-and-rights-2015-state-policy-review) Published January 2016.  
239 Accessed October 2016.
24018. Berglas NF, Johns NE, Rosenweig C, Hunter LA, Roberts SCM. State and local health  
241 department activities related to abortion: a web site content analysis. *J Public Health*  
242 *Manag Pract.* (in press).
24319. Guttmacher Institutue. Targeted Regulation of Abortion Providers.  
244 [https://www.guttmacher.org/state-policy/explore/targeted-regulation-abortion-providers.](https://www.guttmacher.org/state-policy/explore/targeted-regulation-abortion-providers)  
245 Accessed Feb 15, 2017.
24620. Daniels CR, Ferguson J, Howard G, Roberti A. Informed or Misinformed Consent?  
247 Abortion Policy in the United States. *J Health Polit Policy Law.* 2016;41(2):181-209.
24821. Americans United for Life. Abortion Reporting Act: Model Legislation & Policy Guide  
249 for the 2016 Legislative Year. [http://www.aul.org/downloads/2016-Legislative-](http://www.aul.org/downloads/2016-Legislative-Guides/Abortion/Abortion_Reporting_Act_-_2016_LG.pdf)  
250 [Guides/Abortion/Abortion\\_Reporting\\_Act\\_-\\_2016\\_LG.pdf.](http://www.aul.org/downloads/2016-Legislative-Guides/Abortion/Abortion_Reporting_Act_-_2016_LG.pdf)

25122. Lee LM, Gostin LO. Ethical collection, storage, and use of public health data: A proposal  
252 for a national privacy protection. *JAMA*. 2009;302(1):82-84.
25323. Jani SR, Shapiro FE, Gabriel RA, Kordylewski H, Dutton RP, Urman RD. A Comparison  
254 between office and other ambulatory practices: Analysis from the National Anesthesia  
255 Clinical Outcomes Registry. *J Healthc Risk Manag*. 2016;35(4):38-47.
25624. Thomson-DeVeaux A. How anti-abortion lawmakers are hijacking state health  
257 departments. *The Week*. August 8, 2014. [http://theweek.com/articles/444720/how-  
258 antiabortion-lawmakers-are-hijacking-state-health-departments](http://theweek.com/articles/444720/how-antiabortion-lawmakers-are-hijacking-state-health-departments). Accessed June 3, 2016.
25925. Roberts SCM, Biggs MA, Chibber KS, Gould H, Rocca CH, Foster DG. Risk of violence  
260 from the man involved in the pregnancy after receiving or being denied an abortion.  
261 *BMC Med*. 2014;12:144.
26226. Raymond EG, Grimes DA. The comparative safety of legal induced abortion and  
263 childbirth in the United States. *Obstet Gynecol*. 2012;119(2 Pt 1):215-219.
26427. Centers for Disease Control and Prevention. *The 10 Essential Public Health Services. An  
265 Overview*. <http://www.cdc.gov/nphpsp/documents/essential-phs.pdf>. Published March  
266 2014. Accessed June 3, 2016.
26728. Turnock B. *Public Health: What it is and how it works, 2nd Edition*. Gaithersburg, MD:  
268 Aspen Publishers; 2001.
26929. Ghosh T, Van Dyke M, Maffey A, Whitley E, Gillim-Ross L, Wolk L. The Public Health  
270 Framework of Legalized Marijuana in Colorado. *Am J Public Health*. 2016;106(1):21-27.
27130. Jatlaoui TC, Ewing A, Mandel MG, et al. Abortion Surveillance - United States, 2013.  
272 *MMWR Surveill Summ*. 2016;65(12):1-44.  
273
27431. Jarvis C. New NC abortion clinic regulations proposed. *The News & Observer*. December  
275 1, 2014. [http://www.newsobserver.com/news/politics-government/state-  
276 politics/article10179941.html](http://www.newsobserver.com/news/politics-government/state-politics/article10179941.html). Accessed 2016.
27732. Eckholm, E. Maryland's path to an accord in abortion fight. *New York Times*. July 10,  
278 2013. [http://www.nytimes.com/2013/07/11/us/marylands-path-to-an-accord-in-abortion-  
279 fight.html](http://www.nytimes.com/2013/07/11/us/marylands-path-to-an-accord-in-abortion-fight.html). Accessed 2016.
28033. National Association of County & City Health Officials (NACCHO). *National Profile of  
281 Local Health Departments* 2013.  
282 [http://archived.naccho.org/topics/infrastructure/profile/upload/2013-National-Profile-of-  
283 Local-Health-Departments-report.pdf](http://archived.naccho.org/topics/infrastructure/profile/upload/2013-National-Profile-of-Local-Health-Departments-report.pdf). Published January 2014. Accessed 2016.
28434. Fuentes L, Lebenkoff S, White K, et al. Women's experiences seeking abortion care  
285 shortly after the closure of clinics due to a restrictive law in Texas. *Contraception*.  
286 2016;93(4):292-297.

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**Table 1. 10 Essential Public Health Services applied to abortion**

<b>Essential Public Health</b>	<b>Abortion-specific example</b>
<i>1. Monitor health status to identify community health problems</i>	<ul style="list-style-type: none"> <li>• Gather and share vital statistics data about number of abortions and demographics of women having abortions and improve vital statistics data gathering systems</li> <li>• Collect data to track mortality risk associated with abortion, especially unsafe abortion</li> <li>• Apply principles for data collection for other vital statistics data collection to abortion data. For example, all data collected should serve a public health purpose, protect patient and provider privacy, and minimize compliance burden on providers</li> </ul>
<i>2. Diagnose and investigate health problems and health hazards in the community</i>	<ul style="list-style-type: none"> <li>• Investigate reports of abortion-related morbidity and of abortion-related mortality</li> <li>• Investigate reports of increases in unsafe abortion and evaluate whether they are increasing, and, if so, identify factors that have contributed to this increase.</li> </ul>
<i>3. Inform, educate, and empower people about health issues</i>	<ul style="list-style-type: none"> <li>• Offer agenda-free options counseling about abortion, adoption, and birth at health department clinics and by health department staff caring for pregnant women</li> <li>• Develop health education strategies to inform women about state-abortion laws, including how they might affect their experiences with obtaining or ability to obtain an abortion and steps they can take to overcome these obstacles</li> <li>• Inform the public, providers, and policy makers about the evidence regarding the safety of abortion, including the effects of having an abortion vs. giving birth on mental and physical health</li> <li>• Develop and implement harm reduction health education strategies for women who have decided to attempt to self-induce an abortion</li> </ul>
<i>4. Mobilize community partnerships to identify and solve health problems</i>	<ul style="list-style-type: none"> <li>• Engage stakeholders to successfully implement new abortion services, including medication abortion, 2<sup>nd</sup> trimester, and later services when those services are otherwise unavailable</li> <li>• Gather and engage stakeholder perspectives on policies to reduce morbidity and mortality from abortion</li> <li>• Engage stakeholders to develop systems and programs to support women unable to obtain abortions due to state laws and other barriers to abortion care</li> </ul>
<i>5. Develop policies and plans that support individual and community health efforts</i>	<ul style="list-style-type: none"> <li>• Develop policies and plans to reduce and eliminate challenges women and providers have in enrolling in pregnancy-specific Medicaid and getting it to pay for abortion</li> <li>• Promote the use of a scientific knowledge base in policy and decision-making about abortion, including (but not limited to) policies related to safety of abortion and health outcomes from abortion</li> <li>• Evaluate the effects of policy changes that may affect need for or ability to obtain abortions</li> <li>• License and inspect facilities in which abortions are performed using similar approaches to other non-hospital based outpatient procedures,</li> <li>• Develop and implement evidence-based policies and plans to reduce abortion-related morbidity and mortality, including from unsafe abortion</li> </ul>

<p>6. <i>Enforce laws and regulations that protect health and ensure safety</i></p>	<ul style="list-style-type: none"> <li>• Enforce laws against abortion providers who have had their medical licenses revoked</li> <li>• Enforce laws and regulations that <ul style="list-style-type: none"> <li>○ the evidence from research and evaluations indicate protect health and ensure safety</li> <li>○ are based in systems thinking, i.e. take into account both patient safety and consequences of decreasing availability of abortion services (<a href="http://www.hhs.gov/ash/initiatives/quality/quality/">http://www.hhs.gov/ash/initiatives/quality/quality/</a>)</li> </ul> </li> <li>• Ensure that the best available scientific evidence is considered in the process of developing regulations, standards, recommendations, and guidelines that apply to abortion provision</li> </ul>
<p>7. <i>Link people to needed personal health services and assure the provision of health care when otherwise unavailable</i></p>	<ul style="list-style-type: none"> <li>• Create resources and trainings to facilitate referrals to abortion care</li> <li>• Provide transportation and other enabling services to help women get to and from their abortion appointments</li> <li>• Provide incentives to health care providers to offer abortions when abortion services are otherwise unavailable and, in the cases where incentives are insufficient, the health department should offer abortions directly</li> <li>• Identify unmet abortion care needs of women and barriers to care, in particular 2nd trimester and later abortion care where there is already documented unmet need</li> <li>• Develop and implement programs and reduce barriers to abortion care</li> <li>• Explore, develop, implement, and evaluate efforts to centralize entry to abortion care delivery system</li> <li>• Conduct needs assessments about state and local health care systems' capacity to provide abortion care to all women who seek to obtain one</li> </ul>
<p>8. <i>Assure a competent public health and personal health care workforce</i></p>	<ul style="list-style-type: none"> <li>• Plan and implement trainings for public health department health inspectors who inspect abortion facilities</li> <li>• Plan and implement trainings for public health department staff and other local service providers who may be in contact with women who may be considering abortion</li> <li>• Collaborate with abortion providers to conduct quality improvement activities when data indicate a need.</li> <li>• Require abortion training in ob/gyn and family medicine residency programs in public sector hospitals</li> </ul>
<p>9. <i>Evaluate effectiveness, accessibility, and quality of personal and population-based health services</i></p>	<ul style="list-style-type: none"> <li>• Evaluate barriers to abortion care in state/county, including how policy changes affect women's ability to obtain abortion care and delays in obtaining abortion care</li> <li>• Evaluate efforts to reduce barriers to abortion care in state/county</li> <li>• Provide guidance for and, when evidence indicates a need, conduct clinical quality assurance and improvement programs</li> <li>• Evaluate efforts to improve the effectiveness, accessibility, and quality of abortion care in the abortion care delivery system</li> </ul>
<p>10. <i>Conduct research to attain new insights and innovative solutions to health problems</i></p>	<ul style="list-style-type: none"> <li>• Conduct research or collaborate with external researchers to understand how state laws regulating abortion affect women and providers</li> <li>• Conduct research or collaborate with external researchers to document disparate impact of state laws regulating abortion on different groups of women</li> <li>• Conduct research to identify strategies to mitigate harms due to state laws regulating abortion</li> </ul>