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Trends in the method and gestational age of abortion in high-income countries

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ABSTRACT

Background Examining the distribution of abortions by method of abortion and gestational age at time of termination provides insight about the options women may have to terminate their pregnancies. Comparing these distributions across countries and over time is an important step toward understanding the factors that can drive these distributions, including regulations and practices related to the provision of abortion services, and women's preferences and needs.

Methods We sought official statistics on gestational age and method of abortion for all high-income countries with liberal abortion laws. For the 24 high-income countries with available data, we calculated percentage distributions of abortions by gestational age of pregnancy and method of abortion for 2017 or the most recent year for which data were available, and assessed trends in the preceding 10 years whenever possible.

Results Medication (or medical) abortion accounts for at least half of all abortions in the majority of countries. In the majority of countries over 90% of all abortions were completed before 13 weeks, and more than two-thirds of abortions occurred before the first 9 weeks of gestation. Over the past 10 years there has been an increase in both the proportion of abortions that were medication abortions and the proportion that were obtained before 9 weeks gestation.

Conclusions These findings highlight changes in abortion provision in the past decade. More research is needed to understand whether the observed distributions are a function of women's preferences or of barriers to the timing and type of care they would prefer.

INTRODUCTION

Abortion is a common event in women's lives: in 2010–2014, an estimated 56 million abortions occurred, and nearly 8 million occurred in high-income countries.¹ High-income countries with liberal abortion laws often have accessible and

Key messages

- In the majority of countries, medication (or medical) abortion accounts for at least half of all abortions, and this has increased over the past 10 years.
- In the majority of countries, at least 90% of abortions occur under 12 weeks, and the proportion of abortions obtained earlier than 9 weeks has increased in most countries.
- Findings suggest improvements in access to timely care and a choice of methods in some countries, although research is needed to understand if the observed distributions are a function of women's preferences or of barriers to care.

reliable abortion data, resulting in a unique opportunity to compare abortion service provision across countries. Data on the method and gestational age of abortion can provide insight on abortion provision within a country, including the options women have to terminate their pregnancies. Trend data on these characteristics can show whether abortion care within a country has changed over time.

This review provides the first cross-national comparison of the method and gestational age of abortion in high-income countries, and of trends in these characteristics over time. Comparing how and when pregnancies are terminated across countries and over time is an important first step toward understanding the factors influencing the findings. These factors might include service regulations, provider practices and preferences, and women's preferences. Such a review can also be used to identify departures from typical patterns, and explore their causes. Ultimately these data are of



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use to policymakers, programme planners and service providers to ensure women have access to safe, high-quality and timely abortion care.

METHODS

Official statistics on the number of legal abortions by gestational age and method of abortion were sought for the 40 high-income countries with liberal abortion laws, using information on countries' abortion laws compiled by the Guttmacher Institute.² We identified high-income countries using the World Bank country classifications by income level, for the year 2017.³ In conjunction with data collection on abortion incidence, we collected data from 2012 to 2018. We collected data for the most recent year available after 2010, and, when possible, we also collected data for the 10 years prior. Countries were categorised as having liberal abortion laws if abortion was legal without restriction or was legal on socioeconomic grounds, either with or without gestational limits. We also include New Zealand and Israel, where abortion is allowed to preserve a woman's mental health, because this ground is interpreted relatively liberally in these two countries.² Among the 24 high-income countries for which data were available, abortion was available on request in 18 countries, on socioeconomic grounds in four, and for the mental health of the woman in two (table 1).⁴

To collect official abortion statistics, we searched the websites of statistical offices or relevant agencies for the most recent official abortion data available (online supplementary supporting table 1). When the search resulted in reports with data from previous years the data for up to 10 years prior were collated. When data were not available online, we contacted agencies directly and asked officials to complete a standardised questionnaire that gathered information from official records on the incidence of legally induced abortions and characteristics of abortions including gestational age and method. This questionnaire was distributed for a study on abortion incidence that began in 2014 and the questionnaires requested data on abortions up to 2017. For the United States, we utilised results from the Guttmacher Institute Abortion Patient Survey,⁵ as abortion statistics from the Centers for Disease Control and Prevention do not contain data for all states.⁶

As the legal status and legal indications of abortion can influence the method and gestational age of abortion, we collected information on the legal status, gestational age limits and exceptions, mandatory waiting periods, and conscientious objection clauses in a country (table 1 and online supplementary supporting table 2). For legal status and gestational age limit, we collected information from the Center for Reproductive Rights,⁷ and for exceptions to the gestational age limit, waiting periods and conscientious objection clauses, from the Global Abortion Policies Database.⁸ We also collected information from the Global Abortion Policies Database on whether misoprostol and/or mifepristone are recognised in a country, which was

supplemented with information from Gynuity on the year mifepristone was registered.⁹

We categorised method of abortion into three types: surgical, medication (or medical) and other. It was not possible to further refine these categories due to differences in abortion reporting, method availability, and terminology between countries. For this review article, medication abortion refers to primarily the regimen of mifepristone and misoprostol, although if a country reported abortions obtained through misoprostol alone, they were also included in the total of medication abortions. In addition, the Netherlands and Canada report a category of surgical abortion plus medication abortion, and these abortions were classified as surgical abortions. The definition of other abortion varies by country and not all countries explicitly state what falls under this category, but it can include methods such as hysterotomy.

We collated gestational age data as follows: fewer than 9 weeks (up to 8 weeks and 6 days), 9–12 weeks, and 13 or more weeks. These categories reflect the most common classification of gestational age in country reports. Countries that use different classification categories are indicated in the footnotes of figure 3.

Of the 40 high-income countries with liberal laws in the world as of 2017 (as defined by the World Bank, and for countries with populations greater than one million), data were available on the method of abortion in 16 countries and on the gestational ages at which abortions were performed in 21 countries. In 10 countries, the data on abortions are from 2017; in the remaining countries, the most recent year for which data were available ranged from 2011 to 2016. The year of data available for each country can be found in online supplementary supporting table 3. Trend data were not available for all countries, and we present trends on the method of abortion for 11 countries, and the gestational age for 13 countries. The difference between data availability for gestational age and method is attributed to variations in what characteristics countries collect and report in their official abortion statistics. In Great Britain, Scotland reports its abortion statistics separately from England and Wales, and the categories used for gestational age and method differ slightly. Therefore the data for these geographic areas are presented separately in this analysis, but are counted as one country in the above tabulations. In addition, we refer to Great Britain rather than the United Kingdom due to the different abortion law in Northern Ireland.

We calculated percentage distributions in order to facilitate comparison between countries. In addition, due to concerns with abortion underreporting, percentage distributions have the advantage of being more reliable if abortion reporting is incomplete, as long as the level of underreporting doesn't vary by gestational age or method of abortion. We assessed the completeness of data for each country from the data collection methodologies in the country reports or published literature. Statistics that were assessed as

Table 1 Legal status, legal indications and data source of abortion in high-income countries with abortion data, 2017

Country	Gestational age limit	Legal status type code (2017)*	Waiting period	Country recognised approval			Data source
				Misoprostol	Mifepristone	Year of mifepristone registration	
Belgium	Through 14th week	On request	6 days, after counselling	Yes	Yes	1999	Official statistics
Canada	Law does not indicate gestational age limit	On request	No waiting period	Yes	Yes	2015	Official statistics
Czech Republic	Through 12th week	On request	No waiting period	Yes	Yes	2013	Official statistics
Denmark	Through 12th week	On request	No waiting period	Yes	Yes	1999	Official statistics
Estonia	Through 12th week	On request	No waiting period	Yes	Yes	2003	Official statistics†
Finland	Through 12th week	Socioeconomic grounds	No waiting period	Yes	Yes	1999	Official statistics
France	Through 14th week	On request	7 days unless this takes the pregnancy beyond 12 weeks	Yes	Yes	1988	Official statistics
Germany	Through 14th week	On request	3 days, after counselling	Yes	Yes	1999	Official statistics
Great Britain	Through 12th week	Socioeconomic grounds	No waiting period	Yes	Yes	1991	Official statistics
Iceland	Through 12th week	Socioeconomic grounds	No waiting period	Yes	Yes	1999	Official statistics
Israel	Through 12th week	Mental health	No waiting period	Yes	Yes	1999	Official statistics
Italy	Through 90 days/3 months	On request	7 days after first visit	Yes	Yes	2009	Official statistics
Japan	Through 12th week	Socioeconomic grounds	No waiting period	Yes	No	NA	Official statistics†
Netherlands	No gestational age limit for previability abortion	On request	5 days after first visit	Yes	Yes	1999	Official statistics
New Zealand	Through 12th week	Mental health	No waiting period	Yes	Yes	2001	Official statistics
Norway	Through 12th week	On request	No waiting period	Yes	Yes	2000	Official statistics
Portugal	Through 10th week	On request	3 days	Yes	Yes	2007	Official statistics
Singapore	Through 24th week	On request	48 hours, after counselling unless termination is immediately necessary	Yes	Yes	NA	Official statistics
Slovakia	Through 12th week	On request	48 hours after mandated information given	No	No	NA	Official statistics†
Slovenia	Through 12th week	On request	No waiting period	Yes	Yes	2013	Official statistics†

Continued

Table 1 Continued

Country	Gestational age limit	Legal status type code (2017)*	Waiting period	Country recognised approval			Data source
				Misoprostol	Mifepristone	Year of mifepristone registration	
Spain	Through 14th week	On request	3 days after counselling	Yes	Yes	1999	Official statistics
Sweden	Through 18th week	On request	No waiting period	Yes	Yes	1992	Official statistics
Switzerland	Through 12th week	On request	No waiting period	Yes	Yes	1999	Official statistics
USA	No gestational age limit for previability abortion	On request	Varies by jurisdiction	Yes	Yes	2000	Survey

* Categories include On Request/Without Restriction to Reason; Socioeconomic Grounds (also to save the woman's life and physical/mental health); To Preserve Mental Health; To Preserve Health; To Preserve the Woman's Life; Prohibited Altogether.

† Official statistics obtained by questionnaire administered to country representatives.

Sources: Center for Reproductive Rights for legal status type code and gestational age-limit; Global Abortion Policies Database for waiting period, conscientious objection, and recognition of mifepristone and misoprostol; Gynuity for year of mifepristone registration. NA, not available; TBD, to be determined.

capturing at least 90% of all legal abortions within the country were classified as complete and footnotes indicate whether a country's data are incomplete.

When calculating the percentage distribution of abortions, abortions for which the gestational age or method of abortion were not specified were not included in the numerator or denominator unless non-specified abortions accounted for more than 10% of all abortions reported. That is, when non-specified abortions accounted for fewer than 10% of all abortions, we assumed the non-specified abortions had the same distribution according to gestational age and method. The only exception is for Canada, where 18.3% of all abortions were unspecified. In addition, in Canada, country statistics only report gestational age and method data for abortions performed in hospitals, which, according to country statistics, account for only about a third of all abortions in Canada. Despite this limitation, the data from Canada are included as they provide at least some insight into abortion provision in that country.

No ethical approval was required for this study as the data do not constitute human subjects research.

RESULTS

Method of abortion

In the majority of countries, medication abortion accounts for at least half of all abortions, with the highest proportions found in the Nordic countries of Finland (97%), Sweden (93%) and Norway (88%) (figure 1). In almost all Northern Europe countries, medication abortion accounts for at least two-thirds of all abortions. In Western Europe, France and Switzerland have the highest proportion of medication abortions at 68% and 75%, respectively.

In five countries, of which three are in Western Europe, surgical abortion accounts for over three-quarters of the abortion services. Southern Europe has the greatest subregional variation in abortion method, with surgical abortion accounting for 81% of abortions in Italy, compared with medication abortions accounting for 71% of all abortions in Portugal.

Over the past 10 years, all countries have seen an increase in the proportion of abortions that were medication abortions (figure 2). In Denmark, Estonia, England and Wales, France and Iceland, medication abortion is now the more common method of abortion. The change in Iceland is especially noteworthy as medication abortion only became available in Iceland in 2006. The proportion of abortions that were medication abortions has also increased in Belgium, Italy and Germany, although medication abortion still accounts for a small proportion of all abortions in these countries.

Gestational age

In 2017, or the most recent year of available data, for almost all countries, over two-thirds of abortions

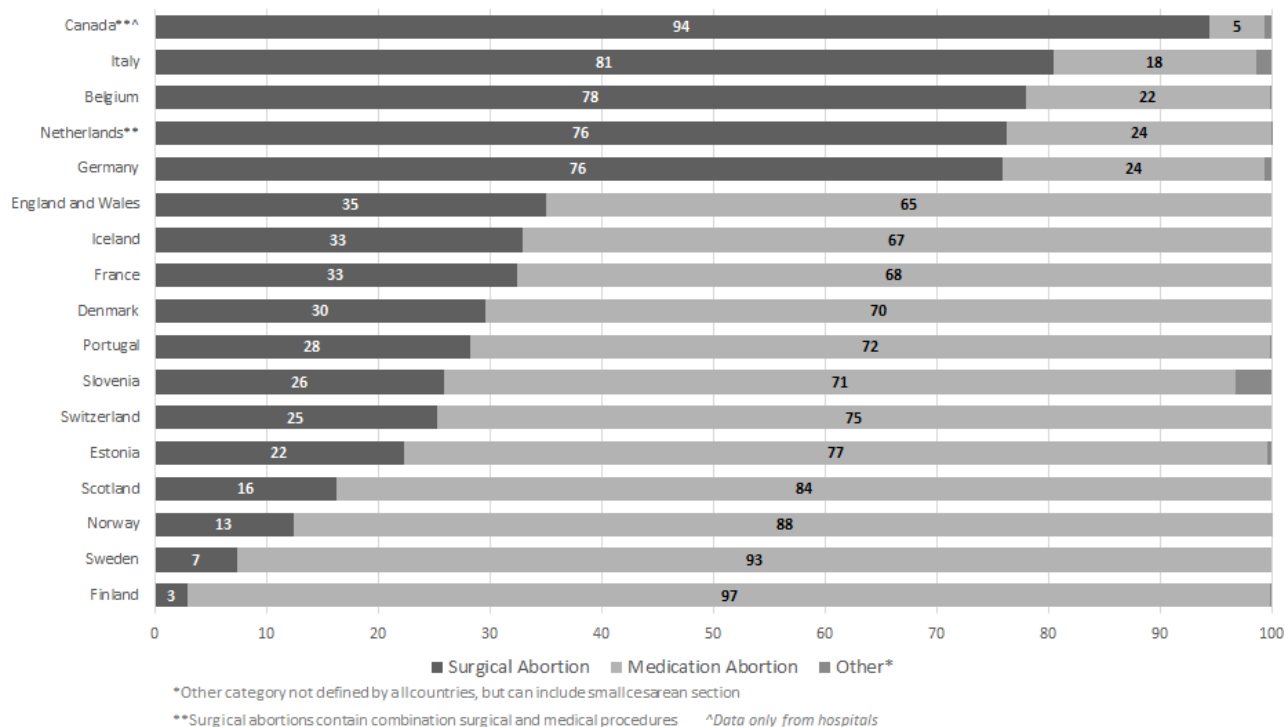


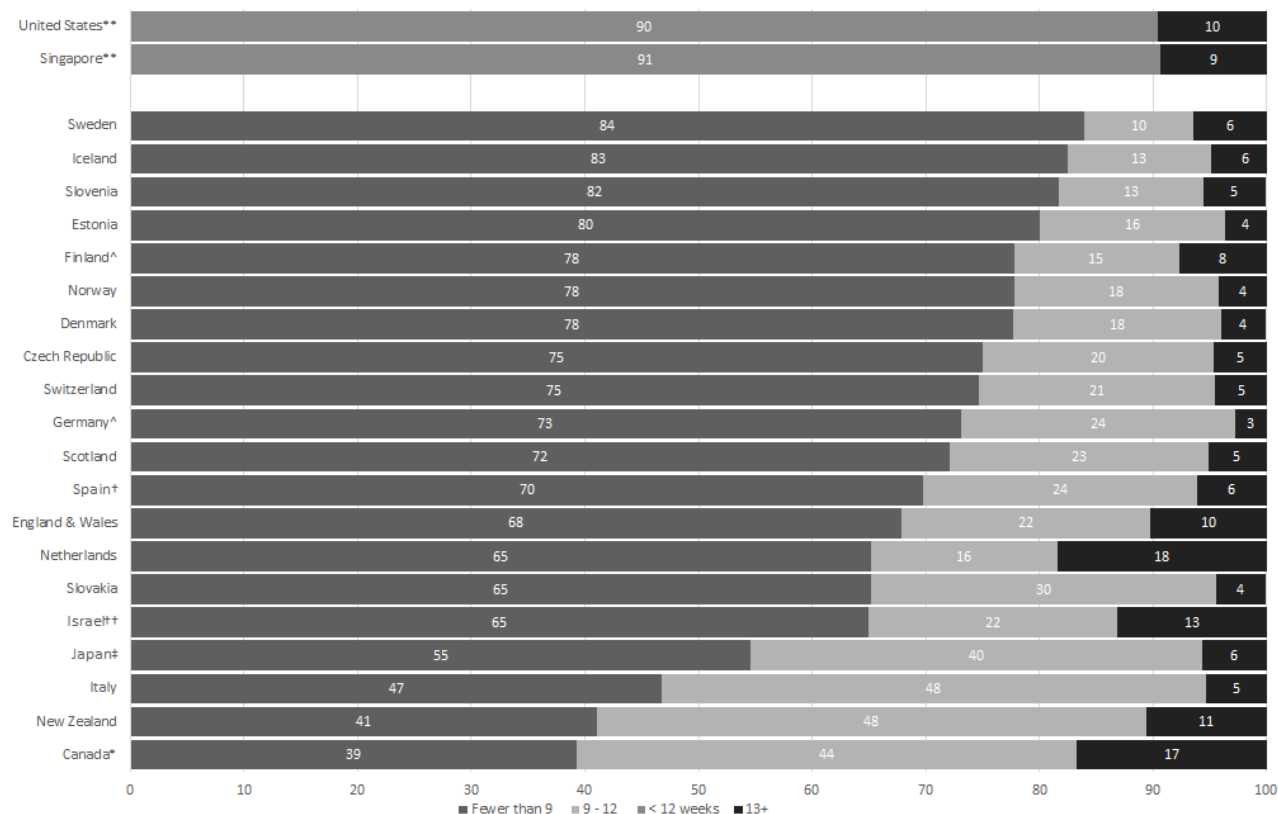
Figure 1 Percentage distribution of abortions by method of abortion, 2017.

occurred at less than 9 weeks gestation (figure 3). The percentage of abortions occurring at less than 9 weeks gestation ranged from 39% in Canada to 84% in Sweden. [NB. Abortion data in Canada are for hospitals only, which, according to country statistics, account

for only about a third of all abortions in Canada.] New Zealand, Canada and Italy are the only countries where fewer than half of all abortions occurred at less than 9 weeks gestation; however, in all countries most abortions occurred by 10 or 11 weeks gestation. In



Figure 2 Proportion of medication and surgical abortions from 2007 to 2017*



Note: There was some variation in how countries reported gestational age and the categories above reflect the most common categories. The footnotes below indicate if different categories were reported. **=<12, >12; *=<9, 9-11, 12+; †=<9, 9-14, 15+; ††=<8, 8-12, 13+; ‡=<8, 8-11, 12+;

*Data only from hospitals

Figure 3 Percent distribution of abortions by gestational age, 2017.

the majority of countries over 90% of abortions occur before 13 weeks. In 10 countries, 95% of abortions occurred before 13 weeks, with the highest proportion of abortions completed before 13 weeks in Germany (97%). The proportion of abortions at 13 weeks and above was highest in the Netherlands, where 18% of abortions occurred after 13 weeks.

Over the past 10 years there has generally been an increase in the proportion of abortions that were obtained earlier than 9 weeks gestation (online supplementary supporting figure 1). There is a considerable range among countries: from an increase of two percentage points in Finland, to 25 percentage points in Germany. Although New Zealand currently has the lowest proportion of abortions that occur at less than 9 weeks gestation, this value has increased by 20 percentage points in the last 10 years. The Netherlands experienced small declines in the proportion of abortions that were obtained earlier than 9 weeks gestation.

In Norway, Sweden, and England and Wales, information about method of abortion by gestational age was available (online supplementary supporting table 4). In all three of these countries, medication abortions account for at least 83% of abortions performed at less than 9 weeks gestation. This is also seen in Scotland, where medication abortions account for 90% of all abortions at less than 9 weeks gestation

(data not shown). In Sweden, mifepristone is given at the hospital/clinic and then women have the option to either take the misoprostol in the hospital/clinic or at home.¹⁰ In Sweden, 64% of all abortions were medication abortions where misoprostol was taken at home, which accounted for 75% of all abortions performed at less than 9 weeks' gestation (data not shown). Between 9 and 12 weeks gestation, only England and Wales reported a higher proportion of surgical abortions versus medication abortions. Medication abortion continued to be the more utilised method in both Norway (68%) and Sweden (78%) for abortions performed between 9 and 12 weeks gestation.

Data were available on the percentage distribution of the abortions by gestational age of the pregnancy and age group of the women for Norway, Finland, Sweden, and England and Wales (online supplementary supporting figure 2) for 2017. In all of these countries, over 72% of all abortions occurred at less than 9 weeks gestation for all six age groups. However, women aged under 20 years consistently have a lower proportion of abortions at less than 9 weeks, and a higher proportion at 9–12 weeks compared with older age groups. Generally all age groups experienced abortions at 13 weeks and above at very similar proportions, except in Finland where women aged over 40

years had a slightly higher proportion of abortions at 13–18 weeks.

DISCUSSION

The provision of abortion services has changed in the past decade. Medication abortion accounts for at least half of all abortions in the majority of countries. Also in the majority of countries, over 90% of all abortions were completed before 13 weeks, and more than two-thirds of abortions occurred before the first 9 weeks of gestation. Over the past 10 years there has been an increase in both the proportion of abortions that were medication abortions, and the proportion that were obtained before 9 weeks gestation.

Over the past 10 years, the dramatic increase in the proportion of abortions that are medication abortions is likely reflective of factors related to both supply of and demand for the procedure. There is substantial variation across countries with respect to the year in which misoprostol and mifepristone was first approved for pregnancy termination, but the length of time that the method has been available is not necessarily correlated with the prevalence of the method. France was the first country, other than China, to license the use of misoprostol and mifepristone for early medical abortion in 1988,¹¹ and since then countries have approved this combination regimen at different points, with Canada being the most recent among this group of countries to legalise the combination of misoprostol and mifepristone in 2015. Japan and Slovakia are the only countries cited in this review where combination mifepristone and misoprostol have not been approved for abortion services, although misoprostol alone is recognised as a method.⁸

The proportion of abortions that were medication abortions may also depend in part on the level of government and public sector support for this method, and on the adequate training of providers. Although France was one of the first countries to approve the use of misoprostol and mifepristone, in the 1990s medication abortion was very highly regulated, and only in 2001 was a law introduced to allow the provision of medication abortion outside of hospitals,¹¹ and medication abortion has been available outside of hospitals since 2005.¹² Portugal, in contrast, has a higher proportion of medication abortions; almost three-quarters of abortions occur in public hospitals, and 98% of abortions performed in hospitals are medication abortions. This may partially be due to the fact that abortion is only legal in Portugal up to 10 weeks gestation. Overall in Western Europe there continues to be a high proportion of surgical abortions. However in Belgium, the latest available data are from 2011 so it not possible to discern if this proportion has changed recently.

Mandatory waiting periods can also influence the proportion of abortions that are medication abortions. Ten of the 24 countries in this review require

waiting periods after a woman's first appointment (table 1). These waiting periods range from 48 hours in Scotland and Singapore, to seven days in France and Italy.⁸ Longer waiting periods can reduce women's choice of abortion method because it increases the gestational age at which the abortion is performed. For example, in France, medication abortion can only be performed up to 49 days gestation, yet the mandatory 7-day waiting period may impact whether a women is eligible for a medication abortion at the time of her procedure.¹¹

The proportion of abortions that occur earlier than 9 weeks gestation increased in the majority of countries in this review. The increase in abortions earlier than 9 weeks is likely closely related to the increased availability of medication abortion, since when medication abortion was first approved, the recommended protocol is for a medication abortion to occur under 63 days or 9 weeks gestation.¹³ This trend might also be due to the rise in technologies for earlier detection of pregnancy, and the widespread availability of pregnancy tests that provide accurate results at early gestations.¹³ There is a strong connection between these two factors, which when coupled with increased access to abortion services, may result in an increase in the proportion of abortions occurring earlier than 9 weeks gestation.

The proportion of abortions conducted after 9 weeks remained high in a few countries. In Canada, the available data suggest that a large proportion of abortions are obtained after 13 weeks, but data are only available for abortions performed in hospitals, where abortions after 13 weeks are likely overrepresented. In addition, 18.6% of the reported abortions in Canada are unspecified, which could bias these findings if the unspecified abortions are not evenly distributed across gestational age.

A country's gestational age limits for legal abortion can affect the distribution of gestational age of abortion within a country, and in neighbouring countries, if women have to travel to seek an abortion after 13 weeks. For example, there is no gestational age limit for legal abortion in the Netherlands, and the large proportion of abortions done after 13 weeks in the Netherlands are partly due to abortions obtained by non-residents. In 2015, non-residents accounted for 12.6% of women obtaining abortions in the Netherlands, and the majority of those women sought abortions at 13 weeks and above, compared to only 5.1% of Dutch women who had abortions at 13 weeks and above.¹⁴ Other evidence found that in 2006 72% of abortions at 13 weeks and above in the Netherlands were to women of non-Dutch residence and origin.¹⁵ Therefore, regardless of how rare abortion at 13 weeks and above is in a given country, the Dutch experience suggests that the demand for abortions at greater than 13 weeks exists to some extent in all countries. Safe and legal abortions at 13 weeks and

above should be available to all women who need them.

Conscientious objection clauses exist for most countries considered in this review (table 1). With adequate and timely referrals and a sufficient number of providers, conscientious objection can potentially exist without being a barrier to care.¹⁶ However, examples in Europe indicate that it can delay or prevent women from accessing abortion care,¹⁷ and potentially cause women to seek abortions after 13 weeks gestation. Data on the impact of conscientious objection are limited, but, in Italy, a country with a lower proportion of abortions at less than 9 weeks gestation, the prevalence of conscientious objection has led to a shortage of abortion providers in Italy. It is estimated that 82%–91% of providers in Rome and the surrounding areas are conscientious objectors, and abortion services are only provided in 60% of Italian hospitals.¹⁸ The prevalence of conscientious objection likely delays women's access to services, and as indicated in a statement by the Council of Europe in 2016, causes Italian women to travel abroad, or “resort to ending their pregnancy without the support of competent health authorities”.¹⁹

This article, the first review of gestational age and method of abortion across high-income countries, has several limitations. While the completeness of data were assessed for each country from official reports, the findings may be influenced if abortion statistics are underreported or incomplete. If countries have incomplete data, these findings rely on the assumption that the level of underreporting of abortion does not vary by gestational age or method of abortion, however this information is not available. Anecdotal evidence suggests that medication abortion is more prone to underreporting than surgical abortion, especially with the increase of access to medication abortion outside of the healthcare system. Regulations and common practices within the healthcare system that we were not able to quantify or cite may also drive some of the findings. Similarly, as most data are not available by country of residence, the legal status and/or gestational age limits of abortion within a country and neighbouring countries may also influence the distribution of gestational age. Finally, the findings from these countries may not be generalisable to countries without official statistics, low-income countries, or countries with restrictive abortion laws, and indicate a need for additional research. In particular, findings from low-income countries with liberal abortion laws could shed light on service provision and barriers to care in those settings.

Options for terminating pregnancies are important as studies have found that when given the choice, many women have strong preferences for one method of abortion over the other.^{20–23} Reasons for selecting medication abortion include fear of clinical procedures or anaesthesia, and the perception that it is “more

natural” and similar to a miscarriage.²⁰ Conversely, women select surgical procedures because they are “faster and easier”.²¹ However the percentage distribution of abortion methods in a country does not necessarily indicate a woman's ability to choose a method. Health system factors such as method availability, provider preference, waiting periods and/or gestational age limits can all influence the method a woman chooses.

Examining the distribution of abortions by method of abortion and gestational age at time of termination is one step in understanding the factors that drive these distributions, and this review highlights the need to understand if the observed distributions are a function of women's preferences or of barriers to care. More research is needed on the proportion of women obtaining an abortion who used the method of their choice, to shed light on whether women have the resources and options they need to terminate their pregnancies the way they want to. Ultimately, this evidence should enable policy makers and service providers to consider measures needed to ensure women can access safe services that align with their preferences in a timely manner.

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Contributors Both authors contributed to the conceptualisation of the paper. Drawing on methodologies from earlier papers by GS and colleagues, AP conducted data collection and analysis. Both authors developed the outline of the paper, and AP wrote the first draft. Both authors reviewed and substantively edited subsequent drafts.

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Correction: *Trends in the method and gestational age of abortion in high-income countries*

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In this article, the following changes should have been made in the published version. On page 1 the second key message should have read ‘at least 90% of abortions occur before 13 weeks.

In the discussion section, the sentence ‘These waiting periods range from 48 hours in Scotland and Singapore’ should have said ‘These waiting periods range from 48 hours in Slovakia and Singapore.

In table 1, the gestational age limit has been updated in the countries Great Britain, Iceland, Israel, Japan and New Zealand. The updated data reads as follows;

Great Britain	Through 24th week
Iceland	Through 16th week
Israel	No gestational age limit specified
Japan	Through 21st week
New Zealand	Through 20th week

In supplementary table 2, the data should have been updated as follows: online supplementary file 2



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Nine out of 10 abortions done before 12 weeks in many high-income countries

Medical abortion now accounts for at least half of pregnancy terminations in most of them

Nine out of 10 abortions happen before 12 weeks of pregnancy in many high-income countries, while the proportion of those done under 9 weeks has risen over the past decade, reveals the first review of its kind, published online in ***BMJ Sexual & Reproductive Health***.

What's more, medical (drug induced) abortion accounts for at least half of all pregnancy terminations in most of these countries.

The researchers base their findings on official statistics on the number of legal abortions carried out in 24 countries with liberal abortion laws, and classified by the World Bank as high-income.

Abortion is available on request in 18 of these countries; on social or economic grounds in four; and for the sake of a woman's mental health in two (New Zealand and Israel).

The researchers focused on length of pregnancy—under 9 weeks; 9-12; 13 or more—and abortion method for the most recent year after 2010, and where data were available, for the 10 years before the most recent estimate.

The figures showed that the proportion of medical abortions has risen sharply. In most countries, medical abortion made up at least half of all such procedures, with the highest proportions found in Scandinavia: Finland (97%); Sweden (93%); and Norway (88%).

In almost all Northern European countries, medical abortion accounted for two thirds of all such procedures; France (68%) and Switzerland (75%) had the highest proportion of medical abortions in Western Europe.

Surgical abortion accounted for more than three out of four terminations in five countries, including Italy (81%). But over the past decade medical abortion has overtaken surgical abortion in Denmark, Estonia, England, Wales, France and Iceland.

Although still making up only a small proportion of all abortions, the numbers have also risen in Belgium, Italy and Germany.

Government and public sector backing for this approach, combined with better training of health professionals may be helping to drive this trend in some countries, suggest the researchers.

The trend is also for abortion to be carried out earlier in pregnancy, the figures indicate.

In 2017, or the most recent year for which data are available, more than two thirds of abortions were carried out before 9 weeks in nearly all 24 countries, although the proportion ranged from 39 per cent in Canada to 84 per cent in Sweden.

The proportions carried out before 9 weeks have increased in nearly all countries. Even in New Zealand, which has the lowest number of such abortions, the proportion rose by 20 percentage points over 10 years.

Generally, most abortions were carried out by 10 or 11 weeks, and in most countries nearly all abortions (90%) were obtained before 13 weeks, with the highest proportion in Germany (97%).

The proportion of abortions carried out after 13 weeks was highest in the Netherlands (18%), possibly because of the numbers of non-residents seeking abortion care in a country where there is no gestational age limit for legal abortion, suggest the researchers.

“The increase in abortions earlier than 9 weeks is likely closely related to the increased availability of medical abortion, since when [it] was approved, the recommended protocol is for a medication abortion to occur under 63 days or 9 weeks’ gestation,” they explain.

“This trend might also be due to the rise in technologies for earlier detection of pregnancy, and the widespread availability of pregnancy tests that provide accurate results at early gestations,” they add.

But other factors, such as mandatory waiting periods for medical abortion and healthcare professionals’ conscientious objection, can delay or prevent women from accessing timely abortion care, note the researchers.

In Italy, for example, “it is estimated that 82%-91% of providers in Rome and the surrounding areas are conscientious objectors, and abortion services are only provided in 60% of Italian hospitals,” they point out.

This is an observational study, and it’s perfectly possible that the abortion statistics used for the analysis were incomplete or under reported, caution the researchers.

But their findings “suggest improvements in access to timely care and a choice of methods in some countries, although research is needed to understand if the observed distributions are a function of women’s preferences or of barriers to care,” they conclude.

[Ends]

Notes for editors

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