

Abortion Patient Survey 2008 (APS 2008)

Data Users' Guide and Codebook

Data collected by the Guttmacher Institute

Public-use dataset prepared by the Guttmacher Center for
Population Research Innovation and Dissemination
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Introduction; about the data

This survey of abortion patients is the Guttmacher Institute's fourth in a series and uses a design and questionnaire similar to those for three earlier studies, which were conducted in 1987, 1994–1995 and 2000–2001.

The data are from a nationally representative sample of women obtaining abortions in 2008. A total of 9,493 abortion patients provided information about several demographic characteristics, including age, race and ethnicity and educational attainment, as well as contraceptive use in the month they became pregnant, health insurance coverage, how they were paying for abortion services, foreign-born status, happiness about the current pregnancy, knowledge about the pregnancy and abortion stigma.

The final data file contains 146 variables. All the variables are numeric in type; there are no string variables (although variable labels are applied to all variables and value labels are applied to most variables).

Additional information about the questionnaires, sample design and other facts related to data collection can be found at the end of this document.

We have generated a number of recodes to facilitate use of the data. Programming for these recodes appears at the end of this document.

Contact person

For inquiries about this dataset, please contact Project Investigator Rachel K. Jones, Ph.D., by email at rjones@guttmacher.org or via phone at (212) 248-1111 x2262.

Available data formats

The data are available in the following formats:

- A **Stata** data file (.dta) is available for Stata users.
- An **SPSS** data file (.sav) is available for SPSS users. A complex-sample analysis file (.csaplan) accompanies the main data file.

To obtain the dataset, complete the Guttmacher data request form available on the Data page of the Guttmacher Center's website, <http://www.guttmacher.org/popcenter>.

Weights and sample design variables

All analyses should be weighted. The main weight variable is `wei ght3`.

In order to obtain accurate standard errors, analyses should also account for the fact that the sample was stratified by using the stratum variable (`strata`):

- Stata users: The complex-sample settings (`wei ght3` and `strata`) have already been set and saved in the APS 2008 data file using the `svyset` command. For reference, the command to set these settings was:

```
svyset [pwei ght=wei ght3], strata(strata)
```

You can use the dialog boxes to generate your analysis commands (click Statistics > Survey data analysis), but the syntax is easy: just use the `svy:` prefix before your analysis command.

Example:

```
svy: tab age
```

- SPSS users: The Complex Samples module is required, and you must also use the Abortion Patient Survey (APS) 2008.csaplan file, which specifies the weight and stratum variables. It's easiest to use the dialog boxes to generate your desired tables, etc. (click Analyze > Complex Samples > ...). However, here is some sample syntax:

```
cstabl at e
```

```
/plan file = "[path to .csaplan file]\Abortion Patient Survey (APS)
2008.csaplan"
/tables variables = age
/cells tablepct
/statistics se
/missing scope = table.
```

See the extended methodology section below for more information about how the universe of clinics was stratified. Labels identifying strata were suppressed in order to deidentify the data.

Other key variables

The unique case identifier is `caseid`.

The unique facility number is `idfac`.

Key demographic variables include `age` (age), `insurance` (insurance coverage) and `raceth` (race and ethnicity), `marstat` (marital status), `povcat3` (poverty level), `gest` (gestation), `method` (last method used), and `wantedc5` (pregnancy intendedness).

Zip code has been deleted in order to deidentify the data.

Pregnancy as a result of forced sex has been deleted due to concerns about data quality.

Imputations

Variables whose labels include the word “imputed” are ones where missing values were imputed. Variables with names ending in “flag” can be used along with the associated imputed variable (i.e., the one with the same the variable name) to generate the original (i.e., pre-imputation) variable.

Missing values

Missing values are handled differently in the files.

- Stata: Missing values have been converted to Stata extended missing values (e.g., `.d` for don't know, `.n` for NA). To see missing values, type any of the following:

```
tab myvar, missing [nolabel]
label list myvarlabel
codebook myvar
```

Note that in Stata, extended missing values are numerically “greater” than the standard system missing value (`.`), which itself is greater than positive infinity. For more, type `help missing` in Stata.

- SPSS: Missing values are either system missing or are included as numerical values but marked as user-missing in the dataset (typically 8/9, 98/99, or 998/999). Therefore, the values in SPSS may not be the same as the Stata-coded missing values (`.d`, `.n`, etc.).

Codebook

strata

		Value
Standard Attributes	Label	strata of facility
	Type	Numeric
N	Valid	9493
	Missing	0

weight3

		Value
Standard Attributes	Label	final weight
	Type	Numeric
N	Valid	9493
	Missing	0

caseid

		Value
Standard Attributes	Label	<none>
	Type	Numeric
N	Valid	9493
	Missing	0

idfac

		Value
Standard Attributes	Label	id number for facility
	Type	Numeric
N	Valid	9493
	Missing	0

survey

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Module A	4769
	2	Module B	4724

langgues

		Value	Count
Standard Attributes	Label	language of questionnaire	
	Type	Numeric	
N	Valid	382	
	Missing	9111	
Labeled Values	1	spanish	375
	2	portuguese	7

todaymo

		Value	Count
Standard Attributes	Label	month survey was administered	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	january	1180
	2	february	771
	3	march	483
	4	april	108
	5	may	91
	6	june	407
	7	july	218
	8	august	1072

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	9	september	1312
	10	october	1568
	11	november	505
	12	december	1778

todayyr

		Value	Count
Standard Attributes	Label	year survey was administered	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	8	2008	6895
	9	2009	2598

todaymoyr

		Value
Standard Attributes	Label	Month and year interview [R: todaymo, todayyr]
	Type	Numeric
N	Valid	9493
	Missing	0

age

		Value
Standard Attributes	Label	Q1 age of patient at time of procedure
	Type	Numeric
N	Valid	9493
	Missing	0

ageflag

		Value
Standard Attributes	Label	age was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

hispan

		Value	Count
Standard Attributes	Label	Q2 hispanic/latino or Spanish origin	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	No	7244
	1	Yes	2249

hispanflag

		Value
Standard Attributes	Label	hispanic ethnicity was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

race

		Value	Count
--	--	-------	-------

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Standard Attributes	Label	Q3 race	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	american indian	183
	2	asian or south asian	509
	3	native hawaiian or other pacific islander	166
	4	black or african american	2973
	5	white	4069
	6	other	1593

race2

		Value	Count
Standard Attributes	Label	Q3 race other specify	
	Type	Numeric	
N	Valid	986	
	Missing	8507	
Labeled Values	1	Indian	13
	2	Mexican/Hispanic/Puerto Rican/South American/Mestizo/Cuban/S	855
	3	Black and other	118

raceflag

		Value
Standard Attributes	Label	race was imputed
	Type	Numeric

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N	Valid	9493
	Missing	0

raceth

		Value	Count
Standard Attributes	Label	combined race and ethnicity	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	American Indian	115
	3	Asian, South Asian, API	625
	4	Black	2824
	5	White	3537
	6	Other	143
	7	Hispanic	2249

raceth3

		Value	Count
Standard Attributes	Label	recode of raceth, 3 race categories	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	white	3537
	2	black	2824
	3	other	883
	5	hispanic	2249

insurance

	Value	Count

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Standard Attributes	Label	type have for general hc [private=priority coding]	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	temporary medicaid	605
	1	medicaid	2320
	2	private insurance	2962
	3	other insurance	491
	4	uninsured	3115

insuranceflag

		Value
Standard Attributes	Label	insurance was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

mcaidtem

		Value	Count
Standard Attributes	Label	Q4 type of health insurance held: temporary medicaid	
	Type	Numeric	
N	Valid	599	
	Missing	8894	
Labeled Values	1	yes	599

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mcaid

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	2286
Missing Values	System		7207

privins

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	2909
Missing Values	System		6584

otroins

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	497
Missing Values	System		8996

otroinsb

		Value	Count
Standard Attributes	Label	Q4 type of health insurance held: other health insurance specific	
	Type	Numeric	
N	Valid		126
	Missing		9367
Labeled Values	1	student health plan	11

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2	military insurance	84
3	parents	7
4	Fidelis	3
5	Indian Health Services	1
6	CDPHP	6
7	Kaiser	14

uninsure

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	3061
Missing Values	System		6432

rinsure

		Value	Count
Standard Attributes	Label	recode of insurance coverage	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	mcaid	2925
	2	private	2962
	3	other	491
	4	uninsured	3115

payreimb

		Value	Count
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Standard Attributes	Label	Q5 how paying for this abortion: paying out of pocket, will be reimbursed by insurance company	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	1	yes	400

payins

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: private health insurance	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	0	No	8411
	1	Yes	854

paymcaid

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: medicaid	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	0	No	7481
	1	Yes	1784

payself

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: paying out of pocket	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	0	No	3894
	1	Yes	5371

payasst

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: rec'd assistance from outside organization/fund	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	0	No	8927
	1	Yes	338

paycut

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: qualified for a price reduction	
	Type	Numeric	
N	Valid	9265	

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	Missing		228
Labeled Values	0	No	8284
	1	Yes	981

payotro

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: other method of payment	
	Type	Numeric	
N	Valid	9265	
	Missing	228	
Labeled Values	0	No	9053
	1	Yes	212

payotrob

		Value	Count
Standard Attributes	Label	Q5 how paying for this abortion: specific other method of payment	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	family/boyfriend/friend	34
	2	voucher/partial payment	1
	3	loan	2

death

		Value	Count

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Standard Attributes	Label	Q6 experienced in the past 12 months: close friend died	
	Type	Numeric	
N	Valid	987	
	Missing	8506	
Labeled Values	1	yes	987

rent

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	1404
Missing Values	System		8089

breakup

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	1550
Missing Values	System		7943

nowork

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	1887
Missing Values	System		7606

health

		Value	Count

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Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	315
Missing Values	System		9178

fammed

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	669
Missing Values	System		8824

hadbaby

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	970
Missing Values	System		8523

victim

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	153
Missing Values	System		9340

breakin

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	144
Missing Values	System		9349

partjail

		Value	Count
Standard Attributes	Label	Q6 experienced in the past 12 months: partner was arrested or incarcerated	
	Type	Numeric	
N	Valid	546	
	Missing	8947	
Labeled Values	1	yes	546

moved

		Value	Count
Standard Attributes	Label	Q6 experienced in the past 12 months: moved 2 or more times	
	Type	Numeric	
N	Valid	1133	
	Missing	8360	
Labeled Values	1	yes	1133

mindmade

		Value	Count
Standard Attributes	Label	Q7 had made up mind when made appt	
	Type	Numeric	
N	Valid	9339	
	Missing	154	
Labeled Values	0	No	772
	1	Yes	8567

Imenmo

		Value	Count
Standard Attributes	Label	Q8 month of last menstrual period	
	Type	Numeric	
N	Valid	7683	
	Missing	1810	
Labeled Values	1	january	424
	2	february	163
	3	march	107
	4	april	251
	5	may	311
	6	june	745
	7	july	1072
	8	august	1077
	9	september	819
	10	october	1189
	11	november	777
	12	december	748

Imenyr

		Value	Count
Standard Attributes	Label	Q8 year of last menstrual period	
	Type	Numeric	
N	Valid	7672	
	Missing	1821	
Labeled Values	7	2007	17
	8	2008	7022
	9	2009	624

Imenmoyr

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		Value
Standard Attributes	Label	Month and year of last menstrual period [R: lmenmo, lmenyr]
	Type	Numeric
N	Valid	7671
	Missing	1822

notrem

		Value	Count
Standard Attributes	Label	Q8 dont remember last menstrual period	
	Type	Numeric	
N	Valid	1692	
	Missing	7801	
Labeled Values	1	yes	1692

weekpreg

		Value
Standard Attributes	Label	Q9 number of weeks pregnant
	Type	Numeric
N	Valid	8429
	Missing	1064

gest

		Value
Standard Attributes	Label	imputed gestation
	Type	Numeric
N	Valid	9493

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Missing	0
---------	---

gestflag

		Value
Standard Attributes	Label	gestation was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

trimstr3

		Value	Count
Standard Attributes	Label	recode of weeks pregnant (using imputed vars)	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	first tri	8514
	1	13-15 Imp	594
	2	16-20 Imp	315
	3	21+ Imp	70

hadstop

		Value	Count
Standard Attributes	Label	Q10 before this pregnancy, had you stopped all methods?, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	

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Labeled Values	1	yes	3893
	2	no	4761
	3	never used any pregnancy prevention	839

hadstopflag

		Value	
Standard Attributes	Label	hadstop imputed	
	Type	Numeric	
N	Valid		8654
	Missing		839

pill

		Value	Count
Standard Attributes	Label	Q11 last method was pill	
	Type	Numeric	
N	Valid		2755
	Missing		6738
Labeled Values	1	yes	2755

condom

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	4317
Missing Values	System		5176

depopro

		Value	Count
Standard Attributes	Label	<none>	

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	Type	Numeric	
Valid Values	1	Yes	605
Missing Values	System		8888

patch

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	242
Missing Values	System		9251

ring

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	420
Missing Values	System		9073

implant

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	7
Missing Values	System		9486

spermcid

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	162
Missing Values	System		9331

rhythm

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	198
Missing Values	System		9295

withdraw

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	1553
Missing Values	System		7940

other

		Value	Count
Standard Attributes	Label	Q11 last method was another method	
	Type	Numeric	
N	Valid	170	
	Missing	9323	
Labeled Values	1	yes	170

other2

		Value	Count
Standard Attributes	Label	Q11 other method (specify)	
	Type	Numeric	
N	Valid	96	
	Missing	9397	
Labeled Values	1	iud/Mirena	82

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	2	diaphragm	7
	3	tubal	7

neveruse

		Value	Count
Standard Attributes	Label	Q11 never used a method	
	Type	Numeric	
N	Valid	823	
	Missing	8670	
Labeled Values	1	yes	823

stopmo

		Value	Count
Standard Attributes	Label	Q12 month stopped using method	
	Type	Numeric	
N	Valid	3611	
	Missing	5882	
Labeled Values	1	january	303
	2	february	186
	3	march	153
	4	april	204
	5	may	257
	6	june	350
	7	july	383
	8	august	432
	9	september	349
	10	october	396
	11	november	303
	12	december	295

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stopyr

		Value	Count
Standard Attributes	Label	Q12 year stopped using method	
	Type	Numeric	
N	Valid	3796	
	Missing	5697	
Labeled Values	0	2000	11
	1	2001	13
	2	2002	13
	3	2003	19
	4	2004	41
	5	2005	72
	6	2006	121
	7	2007	380
	8	2008	2867
	9	2009	217
	66	1966	0
	67	1967	0
	98	1998	7
	99	1999	6

stopmoyr

		Value
Standard Attributes	Label	Month and year stopped using method [R: stopmo, stopyr]
	Type	Numeric
N	Valid	3596
	Missing	5897

stilluse

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		Value	Count
Standard Attributes	Label	Q12 still using method	
	Type	Numeric	
N	Valid	3222	
	Missing	6271	
Labeled Values	1	still using method	3222

methodf

		Value	Count
Standard Attributes	Label	Method Used When became pregnant	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	implant	4
	2	depo	139
	3	patch	76
	4	ring	183
	5	pill	1205
	6	condom	2541
	7	withdrawal	593
	8	rhythm	48
	9	spermicide	36
	10	other	59
	98	nonuser	4609
	99	never used	0

method

		Value	Count
Standard Attributes	Label	imputed last method used	

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	Type	Numeric	
N	Valid		9493
	Missing		0
Labeled Values	1	implant	7
	2	depo	621
	3	patch	238
	4	ring	418
	5	pill	2731
	6	condom	3629
	7	withdrawal	755
	8	rhythm	70
	9	spermicide	49
	10	other	136
	99	never used	839

methodflag

		Value
Standard Attributes	Label	imputed last method used
	Type	Numeric
N	Valid	8654
	Missing	839

cpfail

		Value	Count
Standard Attributes	Label	was R using cp in month got pregnant	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	No	4609
	1	Yes	4884

monthuse

		Value	Count
Standard Attributes	Label	imputed months used	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	Includes never used	1378
	18	18-19 months	168
	20	20-22 months	116
	23	23-25 months	435
	26	26-27 months	86
	28	28 or more months	1921

monthuseflag

		Value
Standard Attributes	Label	months used was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

stopago

		Value	Count
Standard Attributes	Label	q13, number of months stopped used cp, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	99	never used cp	0

stopagoflag

		Value
Standard Attributes	Label	stopago imputed
	Type	Numeric
N	Valid	9493
	Missing	0

marstat

		Value	Count
Standard Attributes	Label	imputed marital status	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	married	1398
	2	divorced	668
	3	widowed	55
	4	separated	760
	5	never married	6612

marstatflag

		Value
Standard Attributes	Label	marstat was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

cohabit

		Value	Count
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Standard Attributes	Label	Q15 living with husband/boyfriend month became preg, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	No	5455
	1	Yes	4038

cohabitflag

		Value
Standard Attributes	Label	cohabit was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

union

		Value	Count
Standard Attributes	Label	recode of union and cohabiting status	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	married	1398
	2	cohabiting, not married	2752
	3	never married	4297
	4	previously married	1046

educ

		Value	Count
Standard Attributes	Label	Q16 Highest grade of school completed, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	0 through 11th grade	1715
	2	high school graduate or GED	2776
	3	some college or associate degree	3433
	4	college graduate or more	1569

educflag

		Value
Standard Attributes	Label	education was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

religion

		Value	Count
Standard Attributes	Label	Q17 Religion, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	

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Labeled Values	1	Protestant (Baptist, Methodist, Lutheran, Pentecostal, etc.)	3619
	2	Catholic	2600
	3	Jewish	59
	4	other	598
	5	none	2617

religionflag

		Value
Standard Attributes	Label	religion was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

othere1g

		Value	Count
Standard Attributes	Label	Q17 Other religion (specify)	
	Type	Numeric	
N	Valid	1107	
	Missing	8386	
Labeled Values	1	Muslim (Islam)	72
	2	Hindu	73
	3	Buddhist	31
	4	Christian (non-denominational)	766
	5	Christian Scientist	1
	6	Other Christian	74

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7	General, religious	5
8	Other	80
9	Multiple religions	5

bachrist

		Value	Count
Standard Attributes	Label	Q18 Born-again/Evangelical status	
	Type	Numeric	
N	Valid	8673	
	Missing	820	
Labeled Values	1	born-again Christian	1586
	2	Charismatic	171
	3	Evangelical	105
	4	Fundamentalist	35
	5	None of the above	6776

attend

		Value	Count
Standard Attributes	Label	Q19 Religious service attendance	
	Type	Numeric	
N	Valid	9103	
	Missing	390	
Labeled Values	1	more than once a week	271
	2	Once a week	1093
	3	1-3 times a month	1166

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4	Less than once a month	2889
5	Never	3684

fammem

		Value
Standard Attributes	Label	Q20 Number of family members currently live with, imputed
	Type	Numeric
N	Valid	9493
	Missing	0

fammemflag

		Value
Standard Attributes	Label	fammem was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

income

		Value	Count
Standard Attributes	Label	Q21 Total household income last year, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	under \$9,999	2107
	2	\$10,000-14,999	1301

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3	&15,000-19,999	961
4	\$20,000-24,999	918
5	\$25,000-29,999	670
6	\$30,000-34,999	638
7	\$35,000-39,999	451
8	\$40,000-44,999	392
9	\$45,000-49,999	304
10	\$50,000-59,999	424
11	\$60,000-74,999	478
12	\$75,000 or more	849

incomeflag

		Value
Standard Attributes	Label	income was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

povrate2

		Value
Standard Attributes	Label	% of family income to federal poverty line
	Type	Numeric
N	Valid	9493
	Missing	0

povcat3

		Value	Count
Standard Attributes	Label	poverty status	
	Type	Numeric	

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N	Valid	9493	
	Missing	0	
Labeled Values	1	lt 100%	3998
	2	100-199%	2525
	3	200+%	2970

bornus

		Value	Count
Standard Attributes	Label	Q22 Born in the U.S.?, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	0	No	1484
	1	Yes	8009

bornusflag

		Value
Standard Attributes	Label	bornus was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

country

		Value	Count
Standard Attributes	Label	Q22 Country born in (specify)	
	Type	Numeric	
N	Valid	1259	
	Missing	8234	
Labeled Values	1	Mexico	340
	2	Africa	37

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3	Puerto Rico	23
4	Dominican Republic	30
5	Peru	17
6	West Indies	113
7	Cuba	51
8	Korea	23
9	India	63
10	Western Europe	67
11	Vietnam	42
12	Romania	3
13	Pakistan/Bangladesh	12
14	Slovakia/Yugoslavia/Armenia	3
15	Taiwan	5
16	Thailand	9
17	Moldova	1
18	Samoa/American Samoa	6
19	Cambodia	5
20	Japan	12
21	Laos	7
22	Phillipines	56
23	Saudi Arabia	3
24	Bosnia/Serbia/Montenegro/Croatia/Macedonia	14
25	Uruguay/Paraguay	5
26	Chile	2
27	Ghana	11
28	Russia/Belarus/Ukraine/Georgia	21
29	China	35
30	Burma	1

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31	Afghanistan	2
32	Brazil	24
33	Venezuela	5
34	Micronesia/Indonesia/Myanmar	6
35	Syria/Lebanon	2
36	Panama	1
37	Guatemala	12
38	Somalia	1
39	Canada	11
40	Monrovia/Liberia	8
41	Botswana	1
42	Asia	6
43	Colombia	30
44	El Salvador	23
45	Panama	5
46	Honduras	18
47	Gambia	1
48	Nepal	6
49	Iran	6
50	Argentina	6
51	Kyrgyzstan/Azerbaijan	2
52	Nicaragua	6
53	Guam	2
54	Egypt	2
55	Sudan	1
56	Eritrea	1
57	Senegal	1
58	Other Europe/Turkey/ Bulgaria/Poland	16
59	Morocco	2
60	Ethiopia	4
61	Cameroon	2
62	Ecuador	8

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63	Sierra Leone	3
64	Algeria	1
65	Bolivia	4
66	Kenya	2
67	Belize	3
68	Zimbabwe	1
69	Tibet	1
70	Nigeria	1
71	Mongolia	1
72	Latvia/Estonia/Li thuania	1
73	Fiji	3
74	Fiji	0

whencome

		Value	Count
Standard Attributes	Label	Q23 When came to the United States	
	Type	Numeric	
N	Valid	1204	
	Missing	8289	
Labeled Values	0	2000	74
	1	2001	67
	2	2002	35
	3	2003	53
	4	2004	68
	5	2005	58
	6	2006	52
	7	2007	48
	8	2008	55
	66	1966	1
	67	1967	1
	98	1998	48
	99	1999	56

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stateres

		Value	Count
Standard Attributes	Label	Q24 State ID#	
	Type	Numeric	
N	Valid	8853	
	Missing	640	
Labeled Values	1	Alabama	209
	2	Alaska	0
	4	Arizona	114
	5	Arkansas	1
	6	California	1256
	8	Colorado	23
	9	Connecticut	37
	10	Delaware	89
	11	Dist. of Columbia	21
	12	Florida	575
	13	Georgia	169
	15	Hawaii	124
	16	Idaho	2
	17	Illinois	368
	18	Indiana	290
	19	Iowa	183
	20	Kansas	0
	21	Kentucky	135
	22	Louisiana	90
	23	Maine	28
	24	Maryland	310
	25	Massachusetts	163
	26	Michigan	254
	27	Minnesota	33
	28	Mississippi	114
	29	Missouri	75
	30	Montana	0

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31	Nebraska	24
32	Nevada	147
33	New Hampshire	6
34	New Jersey	339
35	New Mexico	0
36	New York	898
37	North Carolina	85
38	North Dakota	80
39	Ohio	217
40	Oklahoma	4
41	Oregon	243
42	Pennsylvania	467
44	Rhode Island	1
45	South Carolina	73
46	South Dakota	19
47	Tennessee	26
48	Texas	847
49	Utah	2
50	Vermont	0
51	Virginia	356
53	Washington	165
54	West Virginia	81
55	Wisconsin	87
56	Wyoming	2
57	Mexico	13
58	Canada	1
59	Bahamas	0
60	American Samoa	0
64	Federated States of Micronesia	0
66	Guam	1
69	Northern Marinas Islands	0
70	Palau	0

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72	Puerto Rico	0
74	U.S. Minor Outlying Islands	0
78	Virgin Islands of the US	0
80	Bermuda	1
81	other	4
86	Marshall Islands	0
98	Other foreign country	1

facstate

		Value	Count
Standard Attributes	Label	state where abortion providing facility is located	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	Alabama	350
	2	Alaska	0
	4	Arizona	109
	5	Arkansas	0
	6	California	1337
	8	Colorado	25
	9	Connecticut	36
	10	Delaware	124
	11	District of Columbia	0
	12	Florida	600
	13	Georgia	261
	15	Hawaii	139
	16	Idaho	0
	17	Illinois	414

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18	Indiana	283
19	Iowa	225
20	Kansas	0
21	Kentucky	150
22	Louisiana	96
23	Maine	36
24	Maryland	384
25	Massachusetts	175
26	Michigan	270
27	Minnesota	0
28	Mississippi	0
29	Missouri	75
30	Montana	0
31	Nebraska	0
32	Nevada	175
33	New Hampshire	0
34	New Jersey	406
35	New Mexico	0
36	New York	996
37	North Carolina	95
38	North Dakota	121
39	Ohio	243
40	Oklahoma	0
41	Oregon	314
42	Pennsylvania	468
44	Rhode Island	0
45	South Carolina	0
46	South Dakota	0
47	Tennessee	30
48	Texas	912
49	Utah	0
50	Vermont	0
51	Virginia	363
53	Washington	121
54	West Virginia	77
55	Wisconsin	81

56	Wyoming	2
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rclose10

		Value	Count
Standard Attributes	Label	Traveled to closest clinic? [RECODE: close10]	
	Type	Numeric	
Valid Values	0	No	1546
	1	Yes	6790
Missing Values	System		1157

distance

		Value	Count
Standard Attributes	Label	Distance in miles R travelled one way to get to facility	
	Type	Numeric	
N	Valid	8372	
	Missing	1121	
Labeled Values	-1	R lives in same zip code as provider	316
	0	less than one mile	5
	1	1 mile	25
	2	2 miles	134
	3	3 miles	276
	400	400 or more miles	59

prebirth

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		Value
Standard Attributes	Label	Q25 number of previous births, imputed
	Type	Numeric
N	Valid	9493
	Missing	0

prebirthflag

		Value
Standard Attributes	Label	prebir was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

nabort

		Value	Count
Standard Attributes	Label	Q26 number of previous abortions, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	4	4 or more	334

nabortflag

		Value
Standard Attributes	Label	inabor was imputed
	Type	Numeric
N	Valid	9493

Missing	0
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wanted

		Value	Count
Standard Attributes	Label	Pregnancy intention [R: timepreg; wantpreg]	
	Type	Numeric	
Valid Values	1	Intended	428
	2	Indifferent	72
	3	Mistimed	4808
	4	Unwanted	4149
	5	Not sure/DK	36

wantpreg

		Value	Count
Standard Attributes	Label	Q27 whether want to have a baby any time in future, imputed	
	Type	Numeric	
N	Valid	9493	
	Missing	0	
Labeled Values	1	yes	3926
	2	no	4149
	3	not sure, don't know	1377
	4	didn't care	41

wantpregflag

	Value
--	-------

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Standard Attributes	Label	wantprg was imputed
	Type	Numeric
N	Valid	9493
	Missing	0

timepreg

		Value	Count
Standard Attributes	Label	Q28 timing of pregnancy, imputed	
	Type	Numeric	
N	Valid	5344	
	Missing	4149	
Labeled Values	1	too soon	4808
	2	at the right time	274
	3	later than I wanted	154
	4	didn't care	108

timepregflag

		Value
Standard Attributes	Label	timeprg was imputed
	Type	Numeric
N	Valid	5344
	Missing	4149

happy

		Value	Count
Standard Attributes	Label	Q29 pregnancy happiness scale	
	Type	Numeric	

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N	Valid	4599	
	Missing	4894	
Labeled Values	1	very unhappy	1938
	10	very happy	87

manmo

		Value
Standard Attributes	Label	Q30 #months in relationship with man
	Type	Numeric
N	Valid	3625
	Missing	5868

manyr

		Value
Standard Attributes	Label	Q30 #yrs in relationship with man
	Type	Numeric
N	Valid	5611
	Missing	3882

notinrel

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	1095
Missing Values	System		8398

manpreg

		Value	Count

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Standard Attributes	Label	Q31 does man know R is pregnant?	
	Type	Numeric	
N	Valid	4665	
	Missing	4828	
Labeled Values	1	yes	4053
	2	no	533
	3	I don't know if he knows	79

manknow

		Value	Count
Standard Attributes	Label	Q32 does man know R is having abortion	
	Type	Numeric	
N	Valid	4655	
	Missing	4838	
Labeled Values	1	yes	3826
	2	no	725
	3	I don't know if he knows	104

mansupp

		Value	Count
Standard Attributes	Label	Q33 how supportive is man of R's decision	
	Type	Numeric	
N	Valid	9186	
	Missing	307	

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Labeled Values	1	he doesn't know I'm having an abortion	1285
	2	very supportive	5081
	3	somewhat supportive	1156
	4	neither	391
	5	somewhat unsupportive	258
	6	very unsupportive	484
	7	I'm not sure how supportive he is	531

manhit

		Value	Count
Standard Attributes	Label	Q34 has man physically abused R	
	Type	Numeric	
N	Valid	9242	
	Missing	251	
Labeled Values	0	No	8693
	1	Yes	549

manforce

		Value	Count
Standard Attributes	Label	Q35 has man sexually abused R	
	Type	Numeric	
N	Valid	9244	
	Missing	249	
Labeled Values	0	No	9001
	1	Yes	243

ablegal

		Value	Count
Standard Attributes	Label	Q37 should abortion be legal	
	Type	Numeric	
N	Valid	4492	
	Missing	5001	
Labeled Values	1	legal in all cases	2918
	2	legal in most cases	1391
	3	illegal in most cases	125
	4	illegal in all cases	58

cytonow

		Value	Count
Standard Attributes	Label	Q38 take any to end current pregnancy: cytotec	
	Type	Numeric	
N	Valid	64	
	Missing	9429	
Labeled Values	1	yes	64

ecnow

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	468
Missing Values	System		9025

otronow

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	98
Missing Values	System		9395

otronowb

		Value	Count
Standard Attributes	Label	Q38 take any to end current pregnancy: other (specify)	
	Type	Numeric	
N	Valid		58
	Missing		9435
Labeled Values	0	other	10
	1	herbs/herbal tea (unspecified)	12
	2	vitamin C	12
	3	Cohosh (blue or black)	3
	4	Dong quai	4
	5	Castor oil	1
	6	Pennyroyal	4
	7	birth control pills	11
	8	injection	1
	9	methotrexate	0

nonenow

		Value	Count
--	--	-------	-------

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Standard Attributes	Label	Q38 take any to end current pregnancy: none	
	Type	Numeric	
N	Valid	8414	
	Missing	1079	
Labeled Values	4	none of the above	8414

cytoever

		Value	Count
Standard Attributes	Label	Q39 ever taken any to end a pregnancy: cytotec	
	Type	Numeric	
N	Valid	63	
	Missing	9430	
Labeled Values	1	yes	63

ecever

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	893
Missing Values	System		8600

otroever

		Value	Count
Standard Attributes	Label	<none>	
	Type	Numeric	
Valid Values	1	Yes	61
Missing Values	System		9432

otroevb

		Value	Count
Standard Attributes	Label	Q39 ever taken any to end a pregnancy: other (specify)	
	Type	Numeric	
N	Valid	37	
	Missing	9456	
Labeled Values	0	other	0
	1	herbs/herbal tea (unspecified)	7
	2	vitamin C	10
	3	Cohosh (blue or black)	3
	4	Dong quai	3
	5	Castor oil	2
	6	pennyroyal	3
	7	illegal drugs	3
	8	birth control pills	3
	9	humphrey 11	3

noneever

		Value	Count
Standard Attributes	Label	Q39 ever taken any to end a pregnancy:none	
	Type	Numeric	
N	Valid	7971	
	Missing	1522	
Labeled Values	4	none of the above	7971

stigmaa

		Value	Count
Standard Attributes	Label	stigma a: I would be looked down upon by some people if they knew I'd had this abortion	
	Type	Numeric	
N	Valid	4508	
	Missing	4985	
Labeled Values	1	strongly agree	1218
	2	agree	1523
	3	disagree	867
	4	strongly disagree	539
	5	not applicable	361

stigmab

		Value	Count
Standard Attributes	Label	stigma b: I need to keep abortion a secret from my close friends and family	
	Type	Numeric	
N	Valid	4531	
	Missing	4962	
Labeled Values	1	strongly agree	1309
	2	agree	1188
	3	disagree	1089
	4	strongly disagree	681
	5	not applicable	264

stigmac

		Value	Count
Standard Attributes	Label	stigma c: I can talk openly with people about this abortion	
	Type	Numeric	
N	Valid	4526	
	Missing	4967	
Labeled Values	1	strongly agree	475
	2	agree	951
	3	disagree	1320
	4	strongly disagree	1421
	5	not applicable	359

stigmad

		Value	Count
Standard Attributes	Label	stigma d: My friends and family would think less of me if they knew about this abortion	
	Type	Numeric	
N	Valid	4509	
	Missing	4984	
Labeled Values	1	strongly agree	741
	2	agree	959
	3	disagree	1511
	4	strongly disagree	966
	5	not applicable	332

stigmae

		Value	Count
Standard Attributes	Label	stigma e: Having this abortion will not cause problems in my relationship with my current partner	
	Type	Numeric	
N	Valid	4501	
	Missing	4992	
Labeled Values	1	strongly agree	1672
	2	agree	1374
	3	disagree	521
	4	strongly disagree	435
	5	not applicable	499

stigmaf

		Value	Count
Standard Attributes	Label	stigma f: Telling my close friends and family about this abortion would not cause problems in our relationships	
	Type	Numeric	
N	Valid	4485	
	Missing	5008	
Labeled Values	1	strongly agree	966
	2	agree	1445
	3	disagree	936

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4	strongly disagree	788
5	not applicable	350

stigmag

		Value	Count
Standard Attributes	Label	stigma g: My regular healthcare provider(s) would treat me differently if they knew I'd had this abortion	
	Type	Numeric	
N	Valid	4459	
	Missing	5034	
Labeled Values	1	strongly agree	204
	2	agree	409
	3	disagree	1692
	4	strongly disagree	1218
	5	not applicable	936

stigmah

		Value	Count
Standard Attributes	Label	stigma h: I'd be at risk of physical abuse if I told my current partner or certain family members about this abortion	
	Type	Numeric	

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N	Valid	4479	
	Missing	5014	
Labeled Values	1	strongly agree	95
	2	agree	95
	3	disagree	1030
	4	strongly disagree	2656
	5	not applicable	603

stigmai

		Value	Count
Standard Attributes	Label	stigma i: What other people think or feel about my decision to have an abortion doesn't matter to me	
	Type	Numeric	
N	Valid	4494	
	Missing	4999	
Labeled Values	1	strongly agree	1499
	2	agree	1261
	3	disagree	941
	4	strongly disagree	449
	5	not applicable	344

Programming for recodes

```
*Create pregnancy intendedness variable.  
compute wanted=0.  
if wantpreg=2 wanted=4.  
if wantpreg=3 wanted=5.  
if wantpreg=4 wanted=2.  
if timepreg=2 OR timepreg=3 wanted=1.  
if timepreg=4 wanted=2.  
if timepreg=1 wanted=3.  
if timepreg=4 AND wantpreg=3 wanted=5.  
variable labels wanted 'Pregnancy intention [R: timepreg; wantpreg]'.  
value labels wanted 1 'Intended' 2 'Indifferent' 3 'Mistimed' 4 'Unwanted' 5 'Not sure/DK'.
```

Extended methodology

Data collection

This survey of abortion patients is the Guttmacher Institute's fourth in a series and uses a design and questionnaire similar to those for three earlier studies, which were conducted in 1987, 1994–1995 and 2000–2001.

We developed a four-page questionnaire, collecting information about demographic items contained on prior APS surveys, including age, race and ethnicity and educational attainment, as well as contraceptive use in the month the woman became pregnant. In addition, the 2008 APS assessed several new issues, including health insurance coverage, how women were paying for abortion services and foreign-born status. In order to keep the questionnaire within four pages and minimize survey administration time, we used a module design to create two versions of the questionnaire. All core demographic and contraceptive methods items were asked of all respondents. Items unique to Module A, and only asked of one-half of respondents, include happiness about the current pregnancy and knowledge about the pregnancy and about the abortion by the man who got the woman pregnant. Items unique to Module B include a series of nine questions about abortion stigma. Within each facility, every other woman received Module A and every other woman received Module B. The questionnaires are included in a separate document.

The facilities in the survey were sampled from all hospitals, clinics and physician's offices where abortions were performed in 2005, according to information from the Guttmacher Institute's 2006 Abortion Provider Census. The universe was stratified by provider type (hospital or nonhospital) and 2005 caseload rounded to the nearest 10 (30–390 abortions, 400–1,990, 2,000–4,990, and 5,000 or more), and then listed by census region and state within each stratum. Facilities that reported fewer than 25 abortions in 2005 were not included because of the high likelihood that they would perform few or no abortions during the survey period. Their exclusion could cause little bias regarding the representativeness of women obtaining abortions because these facilities only accounted for 1% of all reported procedures in 2005. Next, every n th facility was sampled (n varied by stratum). Clinics with large caseloads were oversampled to obtain adequate representation of the variety of facilities in the sample. For example, we took every fourth facility that reported 5,000 or more abortions in 2005 and every 21st of those reporting 30–390 abortions.

Each facility was assigned a sampling period that was inversely proportional to its probability of being selected. Facilities were asked to administer the questionnaire to all women who obtained an abortion during a specified fielding period, which ranged from two weeks in the largest clinics to 12 weeks in the smallest facilities. If a facility declined to participate or did not obtain usable questionnaires from at least half of the target women, it was replaced by the next facility listed in its stratum, which in most cases was in the same state or in a neighboring state in the same region. Of the initial 107 providers sampled, 48 participated in the study; 59 had to be replaced, but we succeeded in replacing only 47. Of the 12 facilities that could not be replaced, seven were in the smallest caseload category sampled (30–390 abortions in 2006). Our final sample consisted of information from women at 10 hospitals and 85 nonhospital facilities, for a total of 95 facilities.

The questionnaire, available in both English and Spanish (and, at one facility's request, Portuguese) was distributed to women by facility staff. Participating facilities decided when during the patient's visit to distribute the questionnaire; in most cases, women completed it along with other paperwork while they waited for their procedure. The questionnaire included an introduction explaining the purpose of the survey and informing women that participation was voluntary and anonymous. Some facilities were offered the option of audio computer-assisted self-interviewing (ACASI); five facilities agreed to this mode of administration, and only three of these completed the survey successfully. The questionnaire and procedures were approved by the Guttmacher Institute's federally registered Institutional Review Board.

Participating facilities reported performing 12,866 abortions during the sampling period. Usable questionnaires were obtained from 9,493 patients, for a response rate of 74%. Seventy-three percent of these women obtained abortions during the second half of 2008 and the remaining 27% during the first half of 2009. Facility staff supplied information about age, race, ethnicity, insurance coverage and method of payment for 1,162 of the women who did not complete the questionnaire. (Reasons women did not complete the questionnaire included refusal to participate, failure of the clinic to distribute questionnaires and lack of time to complete the questionnaire.) No information was available for the remaining 2,210 women.

As in prior surveys, in order to correct for any bias produced by deviation from the original sampling plan and nonresponse, a three-stage weighting process was followed. First, individual weights were developed to adjust for the demographic characteristics of the 1,162 nonrespondents for whom the facility staff provided information. Second, facility-level weights adjusted for the other 2,210 nonrespondents for whom no demographic data were available. Third, stratum weights were constructed to correct for departures from the number of facilities to be sampled in each grouping by caseload and provider type. With the final weight adjusted to a mean of 1.0, the standard deviation is 0.21 and the range is 0.42 to 2.95.

Nonresponse on individual items was around 2% for most questions but ranged from 0.2% for age to 15% for family income. Missing information on key demographic variables was imputed on the basis of the responses of other women with similar characteristics using a "hot-deck" procedure. Specifically, we used cross-tabulations to identify the variables most strongly associated with each item requiring imputation. Respondents were sorted according to these variables in the order of the strength of the item's association with the variable to be imputed, so that similar cases were adjacent to one another in the file. A missing value was then replaced by the value of the preceding case in the file.

Data issues

While many of the survey items were adopted directly from the previous patient surveys conducted by the Guttmacher Institute, several were revised to improve accuracy.

Race. The measure of race on the 2008 APS differs from previous surveys. The previous (2000) APS replicated item wording from the 1995 National Survey of Family Growth (NSFG), which provided four response categories (Alaskan Native/American Indian, Asian/Pacific Islander, black and white) and asked respondents to indicate the (one) category that best described their racial background. The NSFG is administered by a live interviewer, which allows for clarification and "forced categorization" for individuals who are unsure how to classify their race or who identify with more than one race. We attempted to incorporate greater flexibility into our measurement of race on the 2008 APS. We adopted the item wording of the 2006–08 NSFG,

which provided five response categories (American Indian or Alaska Native, Asian, Native Hawaiian/Other Pacific Islander, black/African American, and white) but implemented two additional adjustments. First, we clarified “Asian/*South Asian*” so that it was clear to women in the latter group that this was the racial category that was most appropriate for them (in order to better match federal statistics), and we provided a 6th open-ended “other” category, with space for women to write in their race. Hispanic ethnicity was measured as a separate item.

Initially, 15% of women identified with an “other” race; 90% of these indicated they were also Hispanic, and were coded as such on the combined measure of race and ethnicity used in our analysis. In keeping with coding strategies for prior surveys, we did not adopt the strategy of allowing women to indicate that they identified with multiple racial groups. Instead, women who indicated multiple races were typically classified as belonging to the least common of the racial groups checked off, although women who indicated “other” and a specific race were classified as the specific race. Women who checked off both black and one or more other racial groups were classified as black. We do not know how the 2% of women that identified their race as an unspecified non-Hispanic “other” would have been classified, or would have classified themselves, if we had adopted the wording from the 2000 APS. In turn, we are somewhat cautious in our comparisons of race and ethnicity between the 2000 and 2008 APS surveys.

Health insurance and payment for services. Prior surveys assessed whether women obtaining abortions were covered by Medicaid for medical care, but did not distinguish between private health insurance and lack of health insurance among women without Medicaid coverage. For the 2008 survey, we expanded the item to assess whether women had Medicaid, private health insurance, some other type of insurance, or if they were uninsured. Because of changes in both the item wording and response categories, measurement of Medicaid coverage is not comparable across the 2000 and 2008 APS surveys.

Even with more response categories, we are aware that our measure of health insurance coverage is imprecise. First, some women may have been unclear on which kind of health insurance coverage they had. The “other” response category allowed for write-in responses, and some respondents wrote in programs that we identified as state-specific Medicaid programs. Perhaps because some state programs did not include “Medicaid” in the name, respondents did not identify it as such. Additionally, and not unrelated, a number of insurance programs straddle both state and private realms, providing more affordable health insurance coverage to individuals and families whose incomes are too high to qualify for Medicaid. To the extent that these types of programs were identified, or written in, by respondents, we coded them as an “other” type of health insurance. This “other” category is also known to include Indian Health Services, military health plans such as CHAMPUS, student health plans and unspecified “other” types of health insurance.

Similar issues pertain to the item collecting information about how women paid for abortion services. For example, 2% of women who indicated that they had private health insurance reported using Medicaid to pay for the current abortion. We expect that these types of seeming inconsistencies were due to the complexities of the U.S. health care system and respondents' lack of clarity about their type of health insurance coverage.

Income and poverty. We asked women their total family income in the previous year (i.e., 2007), before taxes. We constructed a three-category measure of poverty status based on reported family income and number of family members in the woman's household at the time of the abortion. The three poverty status categories are less than 100%, 100–199%, and 200+% of the federal poverty threshold.

Income, and, in turn, poverty status are susceptible to higher levels of measurement error than characteristics such as race and age because of respondent uncertainty about family income and lower response rates (15% of respondents did not answer this item). In addition, it is also possible that there were changes in income reporting between the 2000 and 2008 surveys. In both years, respondents were provided with 11–12 income categories, listed in increments of \$5,000 or \$10,000 and ranging from “under \$9,999” to “\$70,000 or more” (2000–2001) or “\$75,000 or more” (2008–2009). For the 2008 survey, weekly income amounts were also provided in parentheses, a feature that was not part of the 2000 survey. It is possible that this resulted in underreporting of family income; while some women may have a better sense of their weekly income than their yearly income, the former amount is more likely to be the post-tax amount. Additionally, the 2008 survey was fielded during the midst of a recession, and we anticipate that some women reported their current (weekly) family income as opposed to family income in the previous year (2007 or 2008). Households in which the woman, her partner or another family member had recently become unemployed, or who had otherwise experienced a recent drop in family income, may have reported a lower income than what they had actually earned in the prior year. Potential changes in reporting of income between 2000 and 2008 may have inflated the number of lower income, or poor, abortion patients in 2008 relative to 2000.

Bibliography of articles based on the dataset

- “How far did US women travel for abortion services in 2008?” Rachel K. Jones and Jenna Jerman. *Journal of Women's Health*, 2013, 22(8):706-713.
- “More than poverty: Disruptive events among U.S. women having abortions” Rachel K. Jones, Lori F. Frohwirth and Ann Moore. *Journal of Family Planning and Reproductive Health Care*, 2012,38(4):36-43.
- “Who has second-trimester abortions in the United States?” Rachel K. Jones and Lawrence B. Finer. *Contraception*, 2012, 85(6):544-51.
- “Changes in abortion rates between 2000 and 2008 and lifetime incidence of abortion,” Rachel K. Jones and Megan K Kavanaugh, *Obstetrics and Gynecology*, 2011, 117(6):1358-1366.
- “Perceptions of Male Knowledge and Support Among U.S. Women Obtaining Abortions” Rachel K. Jones, Ann Moore and Lori F. Frohwirth, *Women's Health Issues*, 21(2):117-23, 2011.
- “How Commonly do US Abortion Patients Report Attempts to Self-induce?” Rachel K. Jones, *American Journal of Obstetrics and Gynecology*, 204(1):23.e1-4, 2010.
- Characteristics of U.S. Abortion Patients, 2008*, Rachel K. Jones, Lawrence B. Finer and Susheela Singh. New York: Guttmacher Institute, 2010.
<http://www.guttmacher.org/pubs/US-Abortion-Patients.pdf>
- “Abortion stigma in the United States: Quantitative and qualitative perspectives from women seeking an abortion” Kirsten Shellenberg, dissertation.
<http://gradworks.umi.com/34/10/3410041.html>
- Correlates of perceived and internalized stigma among abortion patients in the USA: An exploration by race and Hispanic ethnicity, Kirsten M. Shellenberg and Amy O. Tsui, *International Journal of Gynecology and Obstetrics*, 18(supplement 2): S152–S159