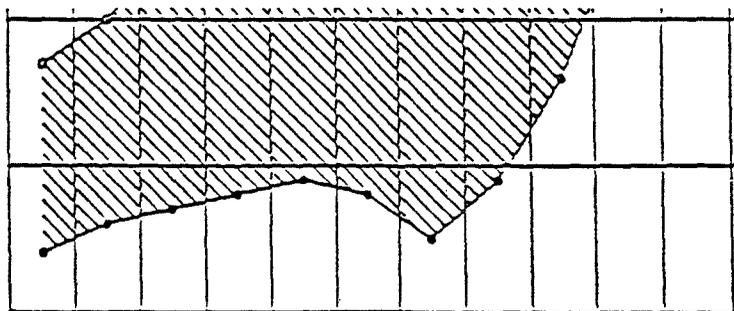


# Abortion Surveillance Report,

ARIZONA, 1980-1989



ARIZONA DEPARTMENT OF HEALTH SERVICES  
Office of Planning and Health Status Monitoring

September 1990



## ABORTION SURVEILLANCE REPORT, ARIZONA, 1980-1989<sup>1</sup>

### PURPOSE

In July 1976 the Arizona Department of Health Services (ADHS) began an Abortion Surveillance Reporting Program in accordance with ACCR R9-19-302D, as authorized by ARS 36-344. The program required the reporting and analysis of induced abortions performed in hospitals, outpatient treatment centers and physicians' offices throughout the state. This report is the annual update of abortion statistics for 1989. The data for 1989, the last year of the decade of the 80's, are placed in a temporal context by comparison with the data for the prior nine years of the decade.

### METHODS AND SOURCES

These data represent the number of abortions reported to the ADHS not the actual number of abortions which occurred in the state. Although Arizona law requires that all abortions performed within the state be reported to the ADHS there is no assurance of complete reporting. Also, data about induced abortions on residents do not include those performed on residents in out-of-state facilities.

In publications of the National Center for Health Statistics, induced abortions are distinguished from spontaneous abortions or fetal deaths. Induced abortion means "the purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus which does not result in a live birth."<sup>2</sup> All other terminations of pregnancy are "spontaneous." In this report, the term "abortion" refers to "induced termination of pregnancy;" and these two terms are used interchangeably.

### DATA ORGANIZATION

The data in tables 1-9 present annual statistical information for 1980-1989 to compare changes in abortion practices in Arizona. The data in tables 10-20 provide detailed information on abortions and total pregnancies in Arizona in 1989. Tables 21-22 refer to the U.S. data and provide a comparative context for Arizona abortion statistics. Table 23 gives an overview of the ratios of induced termination of pregnancy relative to the recorded numbers of live births by ethnic group in Arizona from 1980 to 1989.

### SELECTED FINDINGS

This section presents some illustrative findings contained in the 23 tables which follow. It is not intended to be an exhaustive analysis of the tabulated data.

In calendar year 1989, the Arizona Department of Health Services received 12,688 reports of abortions performed in Arizona, with 11,575 or 91.2 percent of the abortions obtained by Arizona residents (Table 1). The resident induced abortion ratio (the number

<sup>1</sup> Special gratitude is expressed to Roberta Durfee and Dorothy Reissig for their patience and expertise in typing and formatting the manuscript.

<sup>2</sup> National Center for Health Statistics: Kenneth D. Kochanek; Induced terminations of pregnancy: Reporting States, 1985 and 1986, Monthly Vital Statistics Report, Vol. 37, No. 12 Supp. DHHS Pub. No. (PHS) 89-1120, Public Health Service, Hyattsville, MD. 1989.

of induced terminations of pregnancy per 1,000 live births) decreased by 31.7 percent from 252.4 in 1984 (the highest of the decade) to 172.4 in 1989 (Table 2). The resident induced abortion rate (the number of abortions per 1,000 females of childbearing age, 15-44 years old) decreased by 34.9 percent from 20.9 in 1984 to 13.6 in 1989 (Table 3).

The typical woman who obtained an abortion during 1989 was unmarried (66.7 percent, Table 16), less than 25 years old (53.4 percent, Tables 3, 11, and 12), and had completed nine or more years of education (82.7 percent, Table 13). One-half (50.2 percent, Table 6) had at least one or more previous live births, and 37.2 percent (Table 8) had at least one previous induced termination of pregnancy. Women aged 20-24 had the highest abortion rate with 26.4 abortions per 1,000 resident females in this age group (Table 3).

Most abortions in the state in 1988 were performed in nonhospital clinics and physicians' offices (97.3 percent, Table 4), with one-tenth of one percent in hospitals, and the site of abortion for the remainder unknown. As in previous years, curettage was the procedure used in almost all abortions (94.7 percent, Table 20). Two of the 11,575 Arizona women who obtained abortions in 1989 were hospitalized for complications (less than two-hundredth of one percent, and the lowest fraction of the decade, Table 5). No abortion-related deaths occurred in Arizona during the period 1980-1989.

Among Arizona counties, only Maricopa and Coconino had abortion rates in 1989 which exceeded the statewide rate (by 27.9 percent and 11 percent, respectively, Table 10). The abortion rate for Apache County (2.0 per 1,000 females of childbearing age) was 8.7 times lower than the abortion rate in Maricopa County (17.4, Table 10).

The 1989 abortion ratio of 172.4 (the number of abortions per 1,000 live births) was the lowest recorded since 1980 (Table 23). Black females exceeded the overall abortion ratio by 26 percent and White females exceeded it by 17.2 percent (Table 23). The 1989 abortion ratio for Black females was 5.2 times higher than that for Native American females, whose ratio was the lowest among the ethnic groups (41.7, Table 23).

Both abortion ratios and abortion rates are lower for Arizona females than for females nationally (Table 21). In 1987,<sup>3</sup> the abortion ratio (the number of resident abortions per 1,000 resident live births) was 30.8 percent lower for Arizona than the nation (246.6 as compared to 356.1). Moreover, all annual age-specific abortion ratios in Arizona from 1985 to 1989 were at least 23 percent lower than the corresponding national figures in 1985 and 1986 (Table 22). A comparison of 1985 abortion ratios among 50 states indicated that Arizona was one of 25 states with abortion ratios at least 25 percent lower than the U.S. ratio.<sup>4</sup>

<sup>3</sup> See: Centers for Disease Control, Division of Reproductive Health: Abortion Surveillance, 1986-1987, CDC Surveillance Summaries, MMWR, Vol.39/No. 33-2, June 1990.

<sup>4</sup> See: Christopher K. Mreia: Abortion Surveillance Report: Arizona, 1983-1988, Phoenix: Arizona Department of Health Services, June 1989.

FIGURE 1

RATIOS OF INDUCED TERMINATION OF PREGNANCY\* BY YEAR, ARIZONA (1977-1989) AND UNITED STATES (1977-1987)\*\*

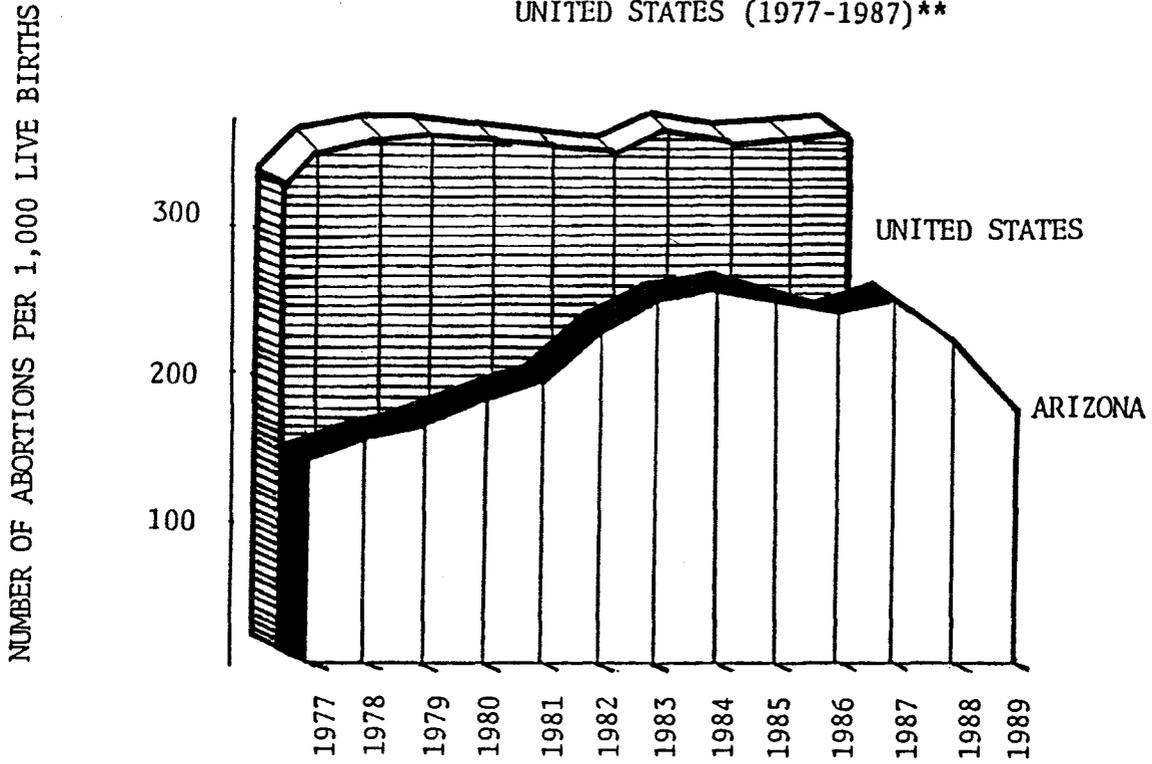
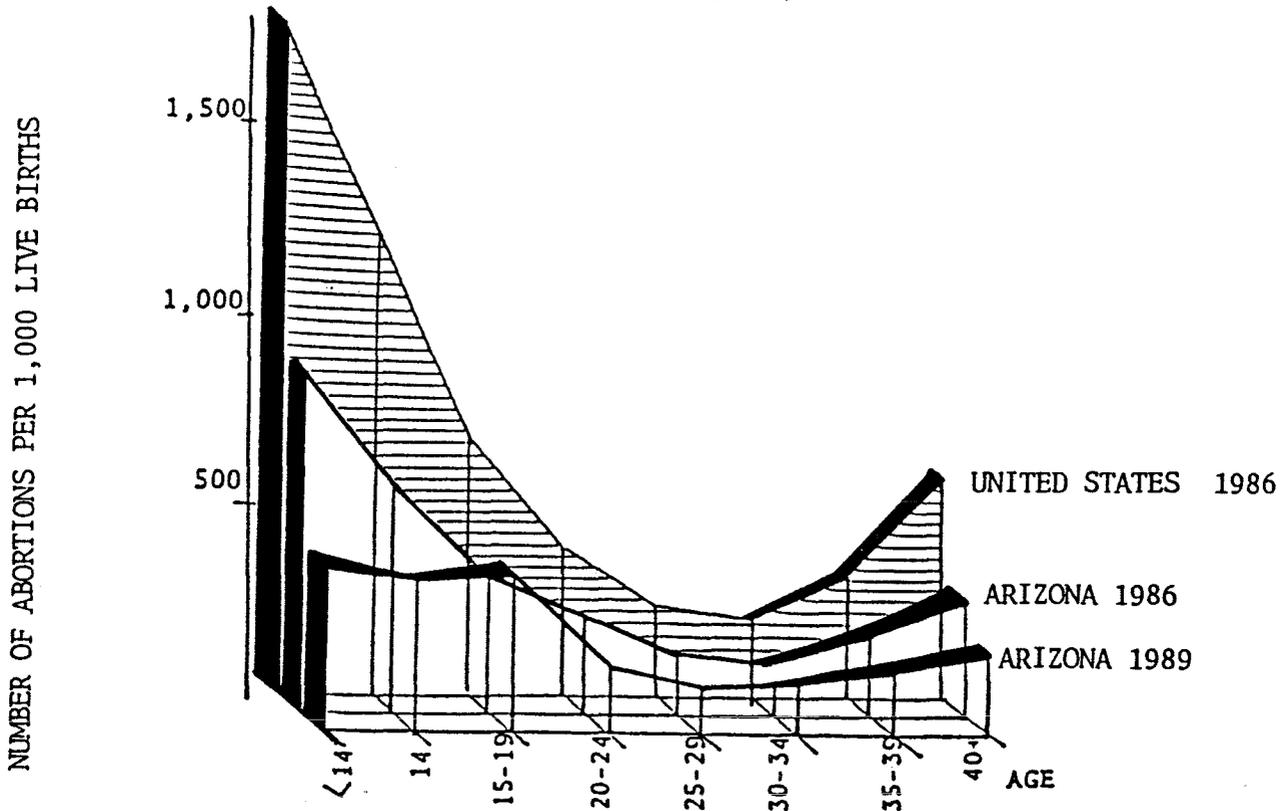


FIGURE 2

RATIOS OF INDUCED TERMINATION OF PREGNANCY\* BY AGE OF WOMAN, ARIZONA (1986 & 1989) AND UNITED STATES (1986)\*\*\*



1. Number of abortions per 1,000 live births.

2. Values are given in Table 21.

3. Values are given in Table 22.

**TABLE 1**

**ABORTIONS BY WOMEN'S COUNTY OF RESIDENCE, ARIZONA, 1980-1989**

	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
Total Reported Abortions Performed in Arizona	9,278	10,573	12,539	13,664	14,874	15,604	15,803	17,138	15,922	12,688
Total Abortions Performed to Residents of Arizona	8,959	10,047	11,965	13,081	13,909	14,537	14,455	15,615	14,350	11,575
Apache County	33	34	39	35	26	45	24	23	23	28
Cochise County	138	152	220	252	249	279	264	270	207	150
Coconino County	374	326	389	422	394	313	263	390	459	387
Gila County	60	79	84	73	62	69	50	49	44	31
Graham County	37	22	30	31	20	26	20	15	18	12
Greenlee County	12	8	17	11	15	17	17	30	27	15
La Paz County <sup>1</sup>	NA	NA	NA	17	14	11	11	9	12	11
Maricopa County	5,861	6,609	7,989	8,501	9,646	10,035	10,387	12,011	10,918	8,611
Mohave County	44	27	34	21	50	24	37	20	52	48
Navajo County	72	62	104	100	59	60	42	44	65	48
Pima County	1,897	2,316	2,553	3,097	2,876	3,152	2,915	2,282	2,059	1,817
Pinal County	199	166	227	251	164	182	179	187	205	173
Santa Cruz County	42	43	53	49	57	58	52	53	51	45
Yavapai County	135	170	186	169	139	141	103	150	132	128
Yuma County	55	33	40	52	138	125	91	82	78	71
Total Abortions Performed to Non-Residents	234	437	414	576	362	403	977	1,234	1,302	911
Unknown Residence	88	89	160	7	603	664	371	289	270	202

<sup>1</sup> Included in Yuma County prior to 1983

**TABLE 2**

**NUMBER OF WOMEN HAVING ABORTIONS PER 1,000 WOMEN GIVING BIRTH,<sup>1</sup>  
BY COUNTY OF RESIDENCE, ARIZONA, 1980-1989**

<u>COUNTY OF RESIDENCE</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
Apache	20.3	20.2	21.1	19.6	14.3	24.3	13.7	12.4	12.2	15.7
Cochise	87.9	92.3	141.5	161.0	153.9	179.0	173.2	168.1	126.4	86.7
Coconino	205.0	188.1	220.0	233.4	217.3	160.8	143.9	194.1	233.5	109.7
Gila	85.1	103.9	103.7	106.9	92.3	107.5	80.0	86.1	66.8	47.6
Graham	72.3	43.2	64.1	71.3	44.8	64.0	50.6	33.7	43.1	26.8
Greenlee	44.1	26.7	66.4	59.5	76.9	105.6	160.4	241.9	243.2	144.2
La Paz <sup>2</sup>	NA	NA	NA	72.0	71.8	47.0	51.2	45.5	56.1	50.7
Maricopa	218.9	237.7	279.3	295.6	314.1	297.1	292.3	328.0	286.5	219.8
Mohave	50.5	30.5	38.4	22.7	50.6	24.8	34.7	17.0	42.4	35.5
Navajo	37.9	34.1	55.2	52.3	31.6	31.7	22.2	22.2	33.2	24.1
Pima	212.4	253.7	278.9	323.1	297.2	306.7	279.7	208.9	183.6	161.4
Pinal	108.2	87.4	116.7	134.3	88.7	88.8	87.2	88.0	97.9	82.5
Santa Cruz	84.2	82.9	107.9	107.2	111.3	110.9	103.2	96.9	76.7	64.3
Yavapai	144.1	170.3	174.3	158.4	139.1	129.6	91.2	128.1	102.7	102.9
Yuma	30.7	17.0	21.0	30.9	78.8	63.7	46.2	41.6	37.2	30.3
Arizona, Total:	179.0	194.6	227.4	247.2	252.4	245.0	237.7	246.6	218.9	172.4

<sup>1</sup> Ratios are calculated by relating county-specific number of resident abortions to county-specific number of resident live births in a specified year. The number of live births by county of residence (not shown in this report) is published annually in the Arizona Health Status and Vital Statistics.

<sup>2</sup> Included in Yuma County prior to 1983.

TABLE 3

AGE-SPECIFIC NUMBER AND RATES OF LIVE BIRTHS (B) AND ABORTIONS (A),  
ARIZONA, 1980 - 1989<sup>1</sup>

AGE GROUP	1980		1981		1982		1983		1984		1985		1986		1987		1988		1989		
	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	
Under 15																					
Number	138	85	123	59	131	107	123	101	110	84	110	116	152	99	142	82	160	75	159	69	
Rate	1.1	0.5	1.2	0.9	1.1	0.9	1.1	0.9	1.0	0.7	0.9	1.0	1.3	0.9	1.2	0.7	1.3	0.6	1.2	0.5	
15-19																					
Number	8,173	2,808	8,114	2,749	8,097	3,233	7,686	3,382	7,513	3,338	7,916	3,501	8,224	3,118	8,633	3,422	8,883	3,207	9,216	2,519	
Rate	65.8	24.3	67.4	28.3	65.9	26.6	65.9	26.6	63.6	28.6	67.0	29.6	66.7	25.0	69.1	27.4	69.9	25.2	71.7	19.6	
20-24																					
Number	17,897	3,489	18,277	3,878	18,171	4,585	18,046	5,008	18,772	5,637	19,721	5,800	19,505	5,000	19,334	5,393	19,372	4,640	19,501	3,595	
Rate	134.9	28.6	137.0	33.7	132.8	36.8	132.8	36.8	137.4	41.3	144.8	42.6	142.9	36.6	142.5	39.8	142.8	34.2	143.4	26.4	
25-29																					
Number	14,487	1,821	14,984	2,050	15,567	2,447	15,880	2,796	16,582	3,125	17,979	3,251	18,562	3,313	19,712	3,611	20,513	3,265	20,450	2,555	
Rate	119.7	16.6	119.9	18.8	117.2	20.6	117.2	20.6	116.7	22.0	118.8	20.6	117.8	21.0	122.6	22.5	126.2	20.1	124.4	15.5	
30-34																					
Number	6,951	581	7,581	870	7,925	1,064	8,224	1,250	8,980	1,444	9,990	1,636	10,505	1,600	11,206	1,827	11,912	1,788	12,760	1,563	
Rate	67.9	7.8	67.5	9.3	67.6	10.5	67.6	10.5	70.1	11.5	73.8	11.5	74.1	11.3	74.7	12.2	75.2	11.3	76.8	9.4	
35-39																					
Number	2,002	205	2,143	302	2,339	419	2,526	464	2,711	622	3,126	686	3,357	735	3,736	744	4,062	778	4,266	660	
Rate	24.9	3.5	25.5	4.5	25.6	4.7	25.6	4.7	25.6	5.9	27.0	5.6	23.7	6.0	29.3	5.8	30.5	5.8	30.4	4.7	
40-44																					
Number	378	63	381	67	369	121	409	120	420	143	483	160	497	155	534	173	622	155	689	153	
Rate	5.3	0.9	5.0	1.6	5.2	1.5	5.2	1.5	5.0	1.7	5.5	1.7	5.2	1.8	5.2	1.7	5.7	1.4	5.9	1.3	
45 & over																					
Number	19	4	15	7	25	7	22	10	20	6	15	14	17	12	22	9	18	8	27	7	
Rate	0.2	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.1	0.3	0.1	
TOTAL																					
Number <sup>2</sup>	50,049	9,278	51,620	10,573	52,628	12,539	52,919	13,664	55,109	14,874	59,344	15,604	60,822	14,455	63,320	15,615	65,544	14,350	67,128	11,575	
Rate <sup>3</sup>	79.0	16.3	78.7	18.8	77.1	19.6	77.1	19.6	77.2	20.9	79.6	19.7	78.2	18.6	79.0	19.5	79.3	17.4	78.8	13.6	

<sup>1</sup> The age-specific live birth or abortion rate is the number of live births or abortions per 1,000 females in a specific age group. For females under 15 the calculated rate includes female population 10-14 years of age. For women over 44 the rate is calculated for the female population 45-49 years of age.

<sup>2</sup> The total includes records with unspecified age and is not the sum of the age groups.

<sup>3</sup> The value for live births is the general fertility rate. It is computed by dividing the total number of live births, regardless of age of mother, by the population of women of childbearing age (15-44 years of age), and multiplying the result by 1,000. Similarly, the general abortion rate is computed per 1,000 women of childbearing age (15-44 years old). During the period from 1983-1985 all reported abortions, regardless of the place of residence, were used in calculating the rates for Arizona females. From 1986-1989 only records specifying Arizona as place of residence were used in calculating the age-specific and total abortion rates.

TABLE 4

PERCENT DISTRIBUTION OF ABORTIONS BY TYPE OF FACILITY,  
ARIZONA, 1980-1989

Type	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Hospital	1.0	0.4	0.4	0.2	0.4	0.3	0.3	0.3	0.1	0.1
Clinic	64.8	66.7	70.9	65.9	67.4	63.2	53.9	62.3	65.4	57.7
Doctor's Office	34.2	32.9	28.6	33.8	27.6	32.1	39.7	30.9	26.4	39.6
Other	-	-	-	-	0.6	0.1	0.1	0.1	0.1	-
Unknown	0.1	-	0.1	0.1	6.0	4.3	6.0	6.4	8.0	2.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 5

ABORTIONS BY NUMBER OF WOMEN HOSPITALIZED FOR COMPLICATIONS,  
ARIZONA, 1980-1989

Hospitalized for Complications	1980	1981	1982	1983	1984	1985	1986*	1987*	1988*	1989*
Yes	NA	18	8	14	5	9	5	21	6	2
No	NA	10,555	12,531	13,650	14,869	15,595	14,440	15,594	14,344	11,573
Total	9,278	10,573	12,539	13,664	14,874	15,604	14,445	15,615	14,350	11,575

TABLE 6

ABORTIONS BY NUMBER OF PREVIOUS LIVE BIRTHS AND YEAR,  
ARIZONA, 1980-1989

Previous Live Births	1980	1981	1982	1983	1984	1985	1986*	1987*	1988*	1989*
0	6,150	6,722	7,851	8,150	8,597	8,892	7,852	8,248	7,465	5,763
1	1,586	1,948	2,385	2,761	3,060	3,259	3,054	3,419	3,127	2,601
2	960	1,193	1,398	1,781	2,032	2,145	2,202	2,461	2,325	1,903
3	351	433	592	620	766	832	844	973	925	865
4	144	163	194	232	267	272	308	353	344	310
5	50	66	56	58	76	97	120	98	96	79
6	12	20	22	23	31	36	33	35	35	26
7 and over	25	28	41	39	47	50	35	27	33	28
Unknown	-	-	-	-	-	21	74	1	-	-
TOTAL	9,278	10,573	12,539	13,664	14,874	15,604	14,455	15,615	14,350	11,575

\* Arizona residents only.

TABLE 7

**ABORTIONS BY NUMBER OF PREVIOUS SPONTANEOUS TERMINATIONS,  
ARIZONA, 1980-1989**

<u>Previous Spontaneous Terminations</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986*</u>	<u>1987*</u>	<u>1988*</u>	<u>1989*</u>
0	8,686	9,804	11,626	12,664	13,636	14,239	13,077	13,977	12,914	10,351
1	459	618	710	772	963	1,049	1,088	1,282	1,146	984
2	83	93	144	140	197	208	199	252	192	160
3	30	36	38	49	43	61	52	53	61	53
4	7	8	13	18	19	20	23	25	12	10
5	7	4	2	9	4	11	5	9	7	6
6	2	1	1	2	1	9	3	4	3	3
7 and over	3	9	5	10	11	5	6	10	14	7
Unknown	1	-	-	-	-	2	2	3	1	1
<b>TOTAL</b>	<b>9,278</b>	<b>10,573</b>	<b>12,539</b>	<b>13,664</b>	<b>14,874</b>	<b>15,604</b>	<b>14,455</b>	<b>15,615</b>	<b>14,350</b>	<b>11,575</b>

TABLE 8

**ABORTIONS BY NUMBER OF PREVIOUS INDUCED TERMINATIONS,  
ARIZONA, 1980-1989**

<u>PREVIOUS INDUCED TERMINATIONS</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986*</u>	<u>1987*</u>	<u>1988*</u>	<u>1989*</u>
0	6,728	7,482	8,610	9,172	9,798	10,201	9,217	9,856	9,045	7,272
1	2,003	2,375	2,897	3,229	3,611	3,747	3,607	4,025	3,616	3,040
2	437	543	752	919	1,044	1,127	1,165	1,246	1,208	892
3	76	127	204	241	292	358	309	317	318	243
4	18	29	51	61	80	93	97	110	94	128
5	8	8	8	17	21	30	26	30	41	-
6 and over	8	9	17	25	28	38	30	16	27	-
Unknown	-	-	-	0	0	10	4	15	1	-
<b>TOTAL</b>	<b>9,278</b>	<b>10,573</b>	<b>12,539</b>	<b>13,664</b>	<b>14,874</b>	<b>15,604</b>	<b>14,455</b>	<b>15,615</b>	<b>14,350</b>	<b>11,575</b>

TABLE 9

**ABORTIONS BY REASON FOR TERMINATION AND YEAR, ARIZONA,  
1980-1989**

<u>Reason for Termination</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986*</u>	<u>1987*</u>	<u>1988*</u>	<u>1989*</u>
Elective	8,961	10,193	10,511	13,328	14,611	15,274	14,300	15,228	14,068	11,078
Medical	18	33	15	14	23	16	7	11	11	7
Unknown	299	347	2,013	322	240	314	148	376	271	490
<b>Total</b>	<b>9,278</b>	<b>10,573</b>	<b>12,539</b>	<b>13,664</b>	<b>14,874</b>	<b>15,604</b>	<b>14,455</b>	<b>15,615</b>	<b>14,350</b>	<b>11,575</b>

\* Arizona residents only

TABLE 10

**PREGNANCY RATES AND NUMBER OF LIVE BIRTHS, FETAL DEATHS AND  
ABORTIONS BY COUNTY OF RESIDENCE, ARIZONA, 1989**

County of Residence	Estimated Female Population of Childbearing Age:	Live Births	Fetal Deaths	Induced Abortions	Total Pregnancies: <sup>a</sup>			Abortion Rate <sup>c</sup>
					Number	Rate <sup>b</sup>	Percent Ending in Abortion	
Apache	14,059	1,781	7	28	1,816	129.2	1.5	2.0
Cochise	23,644	1,730	5	150	1,885	79.7	8.0	6.3
Coconino	25,713	2,040	9	387	2,436	94.7	15.9	15.1
Gila	8,323	651	5	31	687	82.5	4.5	3.7
Graham	5,275	448	6	12	466	88.3	2.6	2.3
Greenlee	2,074	104	3	15	122	58.8	12.3	7.2
La Paz	2,774	217	2	11	230	82.9	4.8	4.0
Maricopa	493,965	39,179	213	8,611	48,003	97.2	17.9	17.4
Mohave	17,157	1,353	6	48	1,407	82.0	3.4	2.8
Navajo	20,825	1,993	17	48	2,058	98.8	2.3	2.3
Pima	169,586	11,257	62	1,817	13,136	77.5	13.8	10.7
Pinal	23,501	2,097	12	173	2,282	97.1	7.6	7.4
Santa Cruz	6,893	700	2	45	747	108.4	6.0	6.5
Yavapai	19,440	1,244	7	128	1,379	70.9	9.3	6.6
Yuma	18,951	2,334	19	71	2,242	127.9	2.9	3.7
<b>Total</b>	<b>852,180</b>	<b>67,128</b>	<b>375</b>	<b>11,575</b>	<b>79,078</b>	<b>92.8</b>	<b>14.6</b>	<b>13.6</b>

- <sup>a</sup> Sum of recorded live births, reported fetal deaths and reported induced terminations of pregnancy.  
<sup>b</sup> The number of pregnancies per 1,000 females of childbearing age. Rates computed by relating total pregnancies, regardless of age of mother, to women aged 15-44. Pregnancies to females under 15 and those 45 years and over constitute 0.33 percent of all pregnancies.  
<sup>c</sup> The number of abortions per 1,000 females of childbearing age. Rates computed by relating total abortions, regardless of mothers age, to women aged 15-44.

TABLE 11

**PREGNANCY RATES, NUMBER OF LIVE BIRTHS,  
FETAL DEATHS AND ABORTIONS BY AGE,  
ARIZONA, 1989**

Age	Estimated Female Population	Live Births	Fetal Deaths	Induced Abortions	Total Pregnancies:			Abortion Ratio <sup>2</sup>
					Number	Rate <sup>1</sup>	Percent Ending in Abortion	
Under 15	128,990	159	1	69	229	1.8	30.1	434.0
15-19	128,585	9,216	49	2,519	11,784	91.6	21.4	273.3
20-24	136,024	19,501	95	3,595	23,191	170.5	15.5	184.4
25-29	164,418	20,450	113	2,555	23,118	140.6	11.1	124.9
30-34	166,112	12,760	72	1,563	14,395	86.7	10.9	122.5
35-39	140,473	4,266	39	660	4,965	35.3	13.3	154.7
40-44	116,568	689	6	153	848	7.3	18.0	220.1
45 and over	94,841	27	0	7	34	0.4	20.6	259.9
Unknown age	-	60	-	454	514	-	88.3	-
<b>TOTAL</b>	<b>852,180<sup>3</sup></b>	<b>67,128</b>	<b>375</b>	<b>11,575</b>	<b>79,078</b>	<b>92.7</b>	<b>14.6</b>	<b>172.4</b>

- <sup>1</sup> The age-specific pregnancy rate is the number of pregnancies per 1,000 women specified age group. For females under 15 the calculated rate includes the female population 10-14 years of age. For women over 44 the rate calculated includes the female population 45-49 years of age. The total pregnancy rate is computed by relating the total number of pregnancies, regardless of age of mother, to the population of women of child-bearing age (15-44 years of age).  
<sup>2</sup> Ratios are calculated by relating age-specific number of resident abortions to the age-specific number of resident live births.  
<sup>3</sup> Estimated female population of childbearing age in Arizona in 1989. Population estimates for females under 15 and over 44 are excluded from the total population of women of childbearing age.

**TABLE 12**  
**ABORTIONS BY AGE AND COUNTY OF RESIDENCE**  
**ARIZONA, 1989**

COUNTY	AGES	AGE									UNKNOWN AGE
		ALL 15	15-17	18-19	20-24	25-29	30-34	UNDER 35-39	40-44	45+	
ARIZONA	11,575	69	829	1,690	3,595	2,555	1,563	660	153	7	454
Apache	28	0	1	5	5	5	10	2	0	0	0
Cochise	150	1	14	14	36	35	15	8	2	0	25
Coconino	387	0	16	70	127	85	59	25	1	0	4
Gila	31	1	4	3	11	4	3	3	2	0	0
Graham	12	0	0	2	3	3	0	1	1	0	2
Greenlee	15	0	0	2	7	3	1	1	0	0	1
La Paz	11	0	1	6	1	2	1	0	0	0	0
Maricopa	8,611	54	627	1,285	2,781	1,982	1,194	507	115	6	60
Mohave	48	0	2	11	11	12	9	3	0	0	0
Navajo	48	1	5	4	11	12	8	5	0	0	2
Pima	1,817	7	122	229	486	327	202	80	25	1	338
Pinal	173	3	20	27	53	36	23	4	1	0	6
Santa Cruz	45	0	5	7	7	4	7	3	0	0	12
Yavapai	128	0	9	15	23	32	27	15	5	0	2
Yuma	71	2	3	10	33	13	4	3	1	0	2

**TABLE 13**  
**ABORTIONS BY EDUCATION AND COUNTY OF RESIDENCE,**  
**ARIZONA RESIDENTS, 1989**

County	Total	Years of Education					Not Stated
		None	1-8	9-12	13-16	17 and Over	
ARIZONA	11,575	11	258	5,878	3,377	315	1,736
Apache	28	0	1	12	11	0	4
Cochise	150	0	4	86	51	6	3
Coconino	387	0	2	188	148	11	38
Gila	31	0	1	20	6	0	4
Graham	12	0	1	8	3	0	0
Greenlee	15	0	0	7	4	1	3
La Paz	11	0	0	8	3	0	0
Maricopa	8,611	9	189	4,356	2,338	144	1,575
Mohave	48	0	1	24	12	1	10
Navajo	48	0	0	29	16	1	2
Pima	1,817	0	50	912	669	141	45
Pinal	173	1	6	104	30	4	28
Santa Cruz	45	0	2	20	17	2	4
Yavapai	128	0	0	67	45	2	14
Yuma	71	1	1	37	24	2	6

**TABLE 14**  
**ABORTIONS BY ETHNICITY AND AGE, ARIZONA RESIDENTS,**  
**1989**

Age	Total All Ethnic Groups	White*	Native American	Black	Other Race	Hispanic	Unknown
10-14	69	33	1	7	0	22	6
15-17	829	614	14	29	1	130	41
18-19	1,690	1,184	27	100	16	263	100
20-24	3,595	2,488	73	188	35	571	240
25-29	2,555	1,777	73	110	46	414	135
30-34	1,563	1,087	44	62	44	208	118
35-39	660	460	18	25	19	86	52
40-44	153	101	1	3	7	30	11
45 and over	7	5	0	0	0	1	1
Unknown	454	229	13	25	8	146	33
TOTAL	11,575	7,978	264	549	176	1,871	737

\* Non-Hispanic

**TABLE 15**  
**ABORTIONS AS A PERCENTAGE OF TOTAL PREGNANCIES BY ETHNICITY,**  
**ARIZONA RESIDENTS, 1989**

<u>Ethnic Group</u>	<u>Live Births</u>	<u>Fetal Deaths</u>	<u>Induced Abortions</u>	<u>Pregnancies</u>		<u>Abortion Ratio*</u>
				<u>Number</u>	<u>Percent Ending in Abortions</u>	
White**	39,484	305	7,978	47,767	16.7	202.1
Native American	6,338	31	264	6,633	4.0	41.7
Black	2,528	33	549	3,110	17.7	217.2
Other Race	1,106	6	176	1,288	13.7	159.1
Hispanic	17,663	NA	1,871	19,534	9.6	105.9
Unknown	9	-	737	746	NA	NA
<b>TOTAL</b>	<b>67,128</b>	<b>375</b>	<b>11,575</b>	<b>79,078</b>	<b>14.6</b>	<b>172.4</b>

\* The number of abortions per 1,000 live births.  
 \*\* Non-Hispanic

**TABLE 16**  
**ABORTIONS BY ETHNICITY AND MARITAL STATUS,**  
**ARIZONA RESIDENTS, 1989**

<u>Ethnic Group</u>	<u>Married</u>	<u>Single</u>	<u>Unknown</u>	<u>Total</u>
White*	1,781	5,640	557	7,978
Native American	74	167	23	264
Black	114	368	67	549
Other Race	88	66	22	176
Hispanic	456	1,168	247	1,871
Unknown	134	310	293	737
<b>Total</b>	<b>2,647</b>	<b>7,719</b>	<b>1,209</b>	<b>11,575</b>

\* Non-Hispanic

**TABLE 17**  
**ABORTIONS BY ETHNIC GROUP AND COUNTY OF RESIDENCE**  
**ARIZONA RESIDENTS, 1989**

<u>County</u>	<u>Total</u>	<u>White*</u>	<u>Native American</u>	<u>Black</u>	<u>Other Race</u>	<u>Hispanic</u>	<u>Unknown</u>
ARIZONA	11,575	7,978	264	549	176	1,871	737
Apache	28	7	14	1	0	3	3
Cochise	150	91	1	11	9	33	5
Coconino	387	264	65	1	4	28	25
Gila	31	20	5	0	0	4	2
Graham	12	8	0	0	0	4	0
Greenlee	15	11	0	1	0	3	0
La Paz	11	6	1	0	0	3	1
Maricopa	8,611	6,196	110	434	124	1,217	530
Mohave	48	32	0	2	0	8	6
Navajo	48	21	22	0	0	4	1
Pima	1,817	1,056	35	92	38	461	135
Pinal	173	106	6	3	1	50	7
Santa Cruz	45	10	2	0	0	31	2
Yavapai	128	106	2	0	0	6	14
Yuma	71	44	1	4	0	16	6

\* Non-Hispanic

**TABLE 18**  
**ABORTIONS BY MARITAL STATUS AND COUNTY OF RESIDENCE,**  
**ARIZONA RESIDENTS, 1989**

<u>County</u>	<u>Total</u>	<u>Married</u>	<u>Single</u>	<u>Unknown</u>
ARIZONA	11,575	2,647	7,719	1,209
Apache	28	8	15	5
Cochise	150	55	87	8
Coconino	387	74	264	49
Gila	31	9	19	3
Graham	12	4	7	1
Greenlee	15	1	11	3
La Paz	11	3	6	2
Maricopa	8,611	2,002	5,710	899
Mohave	48	13	31	4
Navajo	48	12	34	2
Pima	1,817	363	1,269	185
Pinal	173	35	116	22
Santa Cruz	45	9	31	5
Yavapai	128	35	76	17
Yuma	71	24	43	4

**TABLE 19**  
**ABORTIONS BY WEEK OF GESTATION OF PREGNANCY AND AGE OF WOMAN,**  
**ARIZONA, 1989**

Weeks of Gestation	Age								Total
	< 15	15-19	20-24	25-29	30-34	35-39	40+	Unknown	
8	27	1,086	1,709	1,321	857	381	101	165	5,647
9	13	419	536	419	227	88	24	87	1,813
10	12	361	483	298	176	69	13	57	1,469
11	3	205	274	180	97	44	9	36	848
12	4	176	239	142	78	29	3	36	707
13	3	111	118	75	43	18	4	22	394
14	1	58	78	43	31	7	1	15	236
15	1	23	33	13	9	2	0	0	81
16	0	12	26	13	6	1	0	0	59
17	1	6	6	7	1	1	0	0	21
18	0	13	5	5	2	1	1	2	30
19	0	1	7	3	0	0	0	0	11
20	0	0	0	0	0	0	0	0	0
21+	0	0	4	1	3	1	0	0	9
Unknown	1	48	77	35	33	18	4	34	250
Total	69	2,519	3,595	2,555	1,563	660	160	454	11,575

**TABLE 20**  
**ABORTIONS BY WEEKS OF GESTATION AND TYPE OF TERMINATION**  
**PROCEDURE, ARIZONA RESIDENTS, 1989**

Weeks of Gestation	Type of Procedure				TOTAL
	Suction Curettage	Sharp Curettage	Other	Unknown	
8	5,364	3	-	280	5,647
9	1,720	-	-	93	1,813
10	1,387	-	-	82	1,469
11	787	1	-	60	848
12	673	2	-	32	707
13	375	-	-	19	394
14	220	-	-	16	236
15	76	-	-	5	81
16	55	-	-	4	59
17	21	-	-	-	21
18	29	-	-	1	30
19	11	-	-	-	11
20	-	-	-	-	0
21	9	-	-	-	9
Unknown	232	-	-	18	250
Total	10,959	6	-	610	11,575

**TABLE 21**  
**RATIOS OF INDUCED TERMINATIONS OF PREGNANCY<sup>a</sup> AND ABORTION**  
**RATES<sup>b</sup> BY YEAR, ARIZONA AND UNITED STATES,<sup>c</sup> 1977 - 1989**

YEAR	ABORTION RATIOS		ABORTION RATES	
	ARIZONA <sup>d</sup>	U.S.	ARIZONA <sup>e</sup>	U.S.
1977	141.7	324.5	11.4	22.0
1978	153.7	347.3	11.7	23.0
1979	164.0	358.3	15.0	24.0
1980	179.0	359.2	16.3	25.0
1981	194.6	358.4	18.8	24.0
1982	227.4	354.3	19.6	24.0
1983	247.2	348.7	19.6	23.0
1984	252.4	364.7	20.9	24.0
1985	245.0	353.8	19.7	24.0
1986	237.7	354.2	17.1	23.0
1987	246.6	356.1	19.5	24.0
1988	218.9	NA	17.4	NA
1989	172.4	NA	13.6	NA

<sup>a</sup> Number of abortions per 1,000 live births

<sup>b</sup> Number of abortions per 1,000 females aged 15-44

<sup>c</sup> Source: Abortion Surveillance, United States, 1984-1985; CDC Surveillance Summaries, September 1989; also: Abortion Surveillance: Preliminary Analysis United States, 1986 and 1987; MMWR, September 29, 1989, Vol. 38, No. 38.

<sup>d</sup> Number of resident abortions occurring in Arizona per 1,000 resident live births.

<sup>e</sup> Number of resident abortions occurring in Arizona per 1,000 resident females aged 15-44.

**TABLE 22**  
**RATIOS OF INDUCED TERMINATIONS OF PREGNANCY<sup>a</sup> BY**  
**AGE OF WOMAN AND YEAR,**  
**ARIZONA AND UNITED STATES, 1985-1989**

AGE	UNITED STATES <sup>b</sup>		ARIZONA <sup>c</sup>				
	1985	1986	1985	1986	1987	1988	1989
All ages	353.8	347.2	262.9	237.7	246.6	218.9	172.4
Under 14 years	1,728.1	1,760.3	900.0	916.7	833.3	575.8	434.0
14 years	1,371.1	1,240.8	966.7	601.5	525.4	440.9	404.8
15-19 years	720.8	696.3	402.2	379.1	396.4	361.0	442.0
15 years	1,084.3	1,037.6	590.1	496.5	658.6	337.0	338.6
16 years	892.6	909.6	456.0	408.5	430.4	358.0	279.5
17 years	751.2	731.9	286.5	317.8	310.0	332.6	227.6
18 years	739.6	703.4	474.6	416.9	480.5	428.7	309.3
19 years	589.3	559.4	367.3	355.1	361.5	327.8	257.9
20-24 years	410.1	405.5	294.1	256.3	278.9	239.5	184.4
25-29 years	237.2	237.2	180.8	178.5	183.2	159.2	124.9
30-34 years	218.5	213.8	163.8	152.3	163.0	150.1	122.5
35-39 years	344.9	331.6	219.4	218.9	199.1	191.5	154.7
40 years and over	652.7	605.0	349.4	323.0	327.3	254.7	223.5

- <sup>a</sup> Number of abortions per 1,000 live births.  
<sup>b</sup> Source: National Center for Health Statistics: Kenneth D. Kochanek; Induced terminations of pregnancy: Reporting States, 1985 and 1986, Monthly Vital Statistics Report, Vol. 37, No 12 Supp. DHHS. Pub.  
<sup>c</sup> Number of resident abortions occurring in Arizona per 1,000 resident live births to females in specified age group.

**TABLE 23**  
**NUMBER OF LIVE BIRTHS, ABORTIONS AND RATIOS<sup>1</sup> OF INDUCED TERMINATIONS**  
**OF PREGNANCY BY ETHNIC GROUP AND YEAR, ARIZONA, 1980-1989**

Ethnic Group	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total, all ethnic groups <sup>2</sup>										
Births	50,049	51,620	52,628	52,919	55,109	59,344	60,822	63,320	65,544	67,128
Abortions	8,959	10,047	11,965	13,081	13,909	14,537	14,455	15,615	14,350	11,575
Abortion ratio	179.0	194.6	227.4	247.2	252.4	245.0	237.7	246.6	218.9	172.4
WHITE <sup>3</sup>										
Births	31,597	32,495	33,419	33,664	35,183	37,972	38,044	39,616	39,821	39,484
Abortions	6,665	8,069	9,282	10,039	10,344	10,328	9,388	11,093	9,918	7,978
Abortion ratio	210.9	248.3	277.7	298.2	294.0	272.0	246.8	280.0	249.1	202.1
HISPANIC										
Births	11,495	11,896	11,630	11,477	12,067	13,062	14,044	14,402	15,952	17,663
Abortions	1,075	1,002	1,000	1,074	1,665	1,812	2,054	2,258	2,074	1,871
Abortion ratio	93.5	84.2	85.9	93.6	138.7	138.7	146.3	156.8	130.0	105.9
BLACK										
Births	1,634	1,759	1,800	1,820	1,911	1,969	2,157	2,289	2,406	2,528
Abortions	430	378	463	603	663	660	741	810	728	549
Abortion ratio	263.2	197.8	257.2	331.3	346.9	335.2	343.5	353.9	302.6	217.2
NATIVE AMERICAN										
Births	4,796	4,878	5,137	5,297	5,265	5,478	5,718	6,036	6,240	6,338
Abortions	152	123	175	241	232	262	251	285	322	264
Abortion ratio	31.7	25.2	34.1	45.5	44.1	47.8	43.9	47.2	51.6	41.7
OTHER RACE										
Births	527	592	642	661	683	863	859	977	1,125	1,106
Abortions	206	349	384	395	318	329	219	230	198	176
Abortion ratio	390.9	589.5	598.1	597.6	465.6	381.2	254.9	235.4	176.0	159.1

- <sup>1</sup> Number of resident abortions performed in Arizona per 1,000 resident live births in specified ethnic group.  
<sup>2</sup> Total for all ethnic groups includes record with unknown or unspecified ethnic group.  
<sup>3</sup> Non-Hispanic  
<sup>4</sup> White of Hispanic origin.