



## Newborn's Health

**4.16  
GESTATIONAL AGE (2011 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		5,830	530†	5,240†	50†	10†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	10†	*	11	0	0
	<b>Cocopah Tribe</b>	10†	*	13	0	0
	<b>Colorado River Indian Tribe</b>	30†	*	28	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	11	0	*
	<b>Fort Mojave Indian Tribe</b>	10	0	10	0	0
	<b>Gila River Indian Community</b>	70†	*	70	0	0
	<b>Havasupai Tribe</b>	9	0	9	0	0
	<b>Hopi Tribe</b>	200†	16	183	*	0
	<b>Hualapai Tribe</b>	36	6	30	0	0
	<b>Navajo Nation</b>	1,460†	103	1,335	23	*
	<b>Pascua Yaqui Tribe</b>	61	9	52	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	120†	17	100	*	*
	<b>San Carlos Apache Tribe</b>	280†	40	240	*	*
	<b>Tohono O'Odham Nation</b>	155	18	137	0	0
	<b>White Mountain Apache Tribe</b>	310†	38	264	*	*
	<b>Yavapai-Apache Nation</b>	10†	*	6	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	*	0	0
		<b>TOTAL</b>	2,803	260†	2,500†	30†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,491	139	1,341	11	0
	<b>---in Pima County</b>	370†	24	340	*	*
	<b>---in Coconino County</b>	310†	27	279	*	0
	<b>---elsewhere in Arizona</b>	860†	77	781	*	0
		<b>TOTAL</b>	3,027	267	2,741	20†

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**4.17**  
**WEIGHT AT BIRTH (2011 STATUS)**

		TOTAL BIRTHS	Weight at birth					Unknown
			<1,000 grams	1,000- 1,499	1,500- 2,499	2,500- 3,999	4000+	
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		5,830	40†	40†	330†	4,890†	540†	0†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	10†	0	0	*	9	*	0
	<b>Cocopah Tribe</b>	10†	*	0	0	13	0	0
	<b>Colorado River Indian Tribe</b>	30†	0	*	*	24	*	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	0	*	*	11	*	0
	<b>Fort Mojave Indian Tribe</b>	10†	0	0	0	8	*	0
	<b>Gila River Indian Community</b>	70†	0	0	*	62	8	0
	<b>Havasupai Tribe</b>	9	0	0	0	9	0	0
	<b>Hopi Tribe</b>	200†	0	*	15	176	11	0
	<b>Hualapai Tribe</b>	40†	*	*	*	29	*	0
	<b>Navajo Nation</b>	1,460†	8	*	75	1,268	109	0
	<b>Pascua Yaqui Tribe</b>	60†	0	*	6	47	6	0
	<b>Salt River Pima-Maricopa Indian Community</b>	119	0	0	7	89	23	0
	<b>San Carlos Apache Tribe</b>	280†	*	*	16	237	25	0
	<b>Tohono O'Odham Nation</b>	155	0	0	11	129	15	0
	<b>White Mountain Apache Tribe</b>	310†	*	*	32	254	13	0
	<b>Yavapai-Apache Nation</b>	10†	0	0	*	*	*	0
<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	*	0	0	
	<b>TOTAL</b>	2,803	20†	20†	170†	2,370†	220†	0
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,491	8	10	73	1,235	165	0
	<b>---in Pima County</b>	370†	*	*	14	307	41	0
	<b>---in Coconino County</b>	310†	*	*	22	259	24	0
	<b>---elsewhere in Arizona</b>	860†	9	*	48	716	81	*
		<b>TOTAL</b>	3,030†	20†	20†	157	2,517	311

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**4.18**  
**ABNORMAL CONDITIONS OF THE NEWBORN (2011 STATUS)**

		TOTAL BIRTHS	Births with abnormal conditions of the newborn	Abnormal conditions <sup>a</sup>								
				Anemia	Birth injury	Fetal Alcohol Syndrome	Membrane disease	Meconium aspiration	Assisted vent. <30 min	Assisted vent. >30 min.	Newborn seizures	Other
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		5,830	411	0†	0†	0	10†	10†	20†	10†	10†	370†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	12	*	0	0	0	0	0	0	0	0	*
	<b>Cocopah Tribe</b>	14	*	0	0	0	0	0	0	*	0	*
	<b>Colorado River Indian Tribe</b>	32	*	0	0	0	*	0	*	0	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	15	*	0	0	0	0	0	0	0	0	*
	<b>Fort Mojave Indian Tribe</b>	10	*	0	0	0	0	0	0	*	0	0
	<b>Gila River Indian Community</b>	74	16	0	0	0	0	*	0	0	0	15
	<b>Havasupai Tribe</b>	9	0	0	0	0	0	0	0	0	0	0
	<b>Hopi Tribe</b>	204	7	*	0	0	0	*	*	*	0	*
	<b>Hualapai Tribe</b>	36	*	0	0	0	0	*	0	0	0	*
	<b>Navajo Nation</b>	1,464	35	*	*	0	*	*	*	*	*	23
	<b>Pascua Yaqui Tribe</b>	61	6	0	0	0	0	0	0	0	0	6
	<b>Salt River Pima-Maricopa Indian Community</b>	119	0	0	0	0	0	0	0	0	0	0
	<b>San Carlos Apache Tribe</b>	282	31	*	0	0	0	0	*	*	0	28
	<b>Tohono O'Odham Nation</b>	155	7	0	0	0	0	0	0	0	0	7
	<b>White Mountain Apache Tribe</b>	306	36	0	0	0	0	0	0	0	0	36
	<b>Yavapai-Apache Nation</b>	7	0	0	0	0	0	0	0	0	0	0
<b>Yavapai-Prescott Indian Tribe</b>	*	0	0	0	0	0	0	0	0	0	0	
<b>TOTAL</b>		2,803	150†	0†	0†	0	0†	0†	10†	10†	0†	130†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,491	125	*	0	0	*	*	*	*	0	118
	<b>---in Pima County</b>	366	16	0	0	0	0	*	*	0	0	15
	<b>---in Coconino County</b>	310	*	0	0	0	0	0	0	0	0	*
	<b>---elsewhere in Arizona</b>	860	114	0	0	0	*	*	8	*	*	103
	<b>TOTAL</b>		3,027	260†	0†	0	0	10†	10†	10†	0†	0†

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> Abnormal conditions do not sum to the number of births with abnormal conditions of the newborn as each birth may be associated with multiple abnormal conditions.

**4.19  
CONGENITAL ANOMALIES / BIRTH DEFECTS (2011 STATUS)**

	TOTAL BIRTHS	Births with congenital anomalies	Congenital anomalies <sup>a</sup>																					
			Anencephalus	Spina bifida/ meningocele	Hydrocephalus	Microcephalus	Other CNS anomaly	Heart malformations	Other respiratory/ circulatory	Rectal atresia/ stenosis	Tracheo-esophageal fistula / esophageal	Omphalocele/ gastroschisis	Other gastrointestinal	Malformed genitalia	Renal agenesis	Other urogenital	Cleft lip /palate	Polydactyly/ syndactyly/ adactyly	Club foot	Diaphragmatic hernia	Other musculoskeletal	Down's syndrome	Other chromosomal	Other
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>	5,830	84	0	0†	0	0†	0	10†	10†	0†	0†	0†	0†	0†	0†	0†	10†	10†	0†	0†	10†	0†	0†	50†
<b>Resided on reservation</b>																								
Ak-Chin Indian Community	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocopah Tribe	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado River Indian Tribe	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort McDowell Yavapai Nation Reservation	15	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
Fort Mojave Indian Tribe	10	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0
Gila River Indian Community	74	*	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0
Havasupai Tribe	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hopi Tribe	204	*	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	*
Hualapai Tribe	36	*	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Navajo Nation	1,464	23	0	*	0	0	0	*	*	*	0	0	0	0	0	0	*	*	*	0	0	*	*	13
Pascua Yaqui Tribe	61	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*
Salt River Pima-Maricopa Indian Community	119	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
San Carlos Apache Tribe	282	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
Tohono O'Odham Nation	155	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
White Mountain Apache Tribe	306	8	0	0	0	0	0	*	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	*
Yavapai-Apache Nation	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yavapai-Prescott Indian Tribe	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,800†</b>	<b>20</b>	<b>0</b>	<b>0†</b>	<b>0</b>	<b>0†</b>	<b>0</b>	<b>10†</b>	<b>10†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>10†</b>	<b>10†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>30†</b>
<b>Resided off reservation</b>																								
---in Maricopa County	1,491	17	0	0	0	0	0	0	*	*	*	0	*	0	0	*	0	*	0	0	*	*	0	10
---in Pima County	366	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	9
---in Coconino County	310	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	*
---elsewhere in Arizona	860	11	0	0	0	0	0	0	*	0	0	*	0	0	0	0	*	*	0	0	0	0	0	6
<b>TOTAL</b>	<b>3,027</b>	<b>40†</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10†</b>	<b>10†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>0</b>	<b>0†</b>	<b>10†</b>	<b>10†</b>	<b>0</b>	<b>0</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>30†</b>

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> Congenital anomalies do not sum to the number of births with congenital anomalies as each birth may be associated with multiple congenital anomalies.

## 4.20

## CAUSES OF INFANT DEATHS AMONG AMERICAN INDIAN RESIDENTS, ARIZONA, 2011

	TOTAL STATE	Resided on reservation									Resided off reservation				
		Cocopah Tribe	Gila River Indian Community	Havasupai Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
<b>Total, all causes</b>	43	0†	0†	0†	0†	20†	0†	10†	10†	30†	10†	0†	0†	2	10†
<b>Certain conditions originating in the perinatal period</b>	20†	*	*	*	0	*	*	*	*	20†	*	0	0	0	0†
<b>Maternal complications</b>	0†	0	0	0	0	*	0	0	0	0†	*	0	0	0	0†
<b>Complications of placenta, cord and membrane</b>	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0
<b>Short gestation and low birth weight</b>	7	*	0	0	0	*	*	*	*	10†	0	0	0	0	0
<b>Bacterial sepsis of newborn</b>	0†	0	0	0	0	0	0	*	0	0†	0	0	0	0	0
<b>Congenital malformations</b>	10†	0	0	0	0	*	0	0	0	0†	*	*	0	0	0†
<b>of circulatory system</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>of brain, spinal cord or nervous system</b>	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
<b>other malformation</b>	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
<b>Sudden infant death syndrome</b>	0†	0	0	0	0	*	0	0	0	0†	0	0	*	0	0†
<b>Accidents (unintentional injury)</b>	0†	0	0	0	*	0	0	0	*	0†	*	0	0	0	0†
<b>Influenza and pneumonia</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diseases of the digestive system</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Infectious and parasitic diseases</b>	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
<b>Diseases of the nervous system</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Choked on food</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Mechanical suffocation</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Drug poisoning, undetermined intent</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**4.21**  
**COMPARISON OF SELECTED CHARACTERISTICS<sup>a</sup> OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY**  
**COUNTY OF RESIDENCE, ARIZONA, 2011**

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
<b>Total births</b>		5,815	870†	20†	770†	200†	110†	0†	50†	1,690†	90†	980†	578	380†	0	50†	60†
<b>Mother's age group</b>	<b>&lt;15</b>	14	*	0	*	*	0	0	0	*	0	*	0	*	0	0	0
	<b>15-17</b>	293	30	0	45	23	8	0	*	60	*	65	30	21	0	*	*
	<b>18-19</b>	680	90	0	74	27	16	0	7	184	*	135	76	58	0	*	*
	<b>20-24</b>	1,924	262	7	255	74	38	0	18	540	37	307	205	136	0	21	24
	<b>25-29</b>	1,463	215	*	205	41	31	*	16	446	27	220	144	97	0	*	15
	<b>30-34</b>	899	152	*	115	17	9	0	*	297	11	154	74	47	0	8	9
	<b>35-39</b>	461	97	*	68	10	6	0	*	132	*	73	38	17	0	*	*
	<b>40-44</b>	92	20	0	6	*	*	0	0	20	0	22	11	*	0	*	0
	<b>45+</b>	*	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0
	<b>Unknown</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Payee for births</b>	<b>AHCCCS</b>	3,444	454	8	353	57	20	*	21	1,099	58	636	389	277	0	29	42
	<b>IHS</b>	1,565	369	*	344	127	83	0	25	171	*	301	83	46	0	*	*
	<b>Private insurance</b>	726	21	7	69	11	*	0	*	388	17	32	100	55	0	12	8
	<b>Self</b>	49	*	0	*	*	*	0	*	22	*	0	*	*	0	*	*
	<b>Unknown</b>	46	23	0	*	*	*	0	*	*	*	10	*	*	0	0	0
<b>Mother's education</b>	<b>&lt; 8</b>	34	*	0	*	*	*	0	*	9	0	*	*	*	0	0	0
	<b>8</b>	114	*	0	7	*	0	0	0	56	*	8	19	13	0	0	*
	<b>9-11</b>	1,396	116	*	135	77	38	0	17	379	27	259	168	152	0	10	17
	<b>12</b>	2,340	357	7	362	75	50	0	22	558	41	446	214	150	0	26	32
	<b>13-16</b>	1,721	332	6	232	39	19	*	8	608	15	243	142	60	0	10	6
	<b>17+</b>	161	33	*	22	*	*	0	*	57	0	13	25	*	0	*	*
	<b>Unknown</b>	64	23	0	7	0	0	0	*	18	*	7	6	0	0	0	0
<b>Marital status</b>	<b>Married</b>	1,255	187	11	184	34	26	0	*	395	17	209	101	71	0	10	7
	<b>Unmarried</b>	4,494	672	*	575	161	81	*	48	1,255	65	759	472	311	0	37	52
	<b>Other<sup>b</sup></b>	81	11	0	11	*	*	0	0	35	*	11	*	*	0	0	0
<b>Weight gain</b>	<b>None</b>	192	20	0	30	*	*	0	*	36	*	36	40	17	0	*	*
	<b>1-15 pounds</b>	1,100	230	*	125	23	17	0	25	267	21	202	111	63	0	*	9
	<b>16-20 pounds</b>	781	138	*	105	38	19	0	*	221	17	120	65	37	0	8	6
	<b>21-24 pounds</b>	435	81	*	56	16	*	0	*	128	*	73	41	23	0	0	6
	<b>25-30 pounds</b>	1,198	127	6	197	55	32	*	*	327	14	214	113	89	0	12	6
	<b>31+ pounds</b>	1,944	235	*	241	63	34	0	11	663	25	279	197	146	0	19	26
	<b>Unknown</b>	180	39	0	16	*	*	0	*	43	0	55	11	8	0	*	*
<b>Substance use</b>	<b>Drinker, nonsmoker</b>	54	6	0	*	*	*	0	0	13	*	18	*	*	0	*	0
	<b>Smoker, nondrinker</b>	107	9	*	6	*	*	0	0	44	*	12	8	11	0	*	*
	<b>Smoker and drinker</b>	33	*	0	*	*	*	0	0	12	0	6	*	*	0	0	0
	<b>Nonsmoker and nondrinker</b>	5,636	851	15	762	186	103	*	51	1,616	81	943	564	366	0	43	54

**4.21 (continued)**  
**COMPARISON OF SELECTED CHARACTERISTICS\* OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY**  
**COUNTY OF RESIDENCE, ARIZONA, 2011**

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
<b>Length of gestation</b>	<b>&lt;37 weeks</b>	37	*	*	*	*	0	0	0	8	*	9	*	*	0	0	*
	<b>37-41 weeks</b>	37	*	0	*	*	*	0	*	11	*	8	*	*	0	0	0
	<b>42+ weeks</b>	329	43	*	49	13	*	*	*	85	*	74	30	23	0	*	*
	<b>Unknown</b>	4,890	755	14	657	165	96	0	40	1,386	69	829	480	311	0	42	46
<b>Weight at birth</b>	<b>&lt;1,000 grams</b>	535	64	0	57	16	9	0	7	195	10	58	62	45	0	*	9
	<b>1,000-1,499</b>	*	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
	<b>1,500-2,499</b>	527	60	*	58	30	11	*	9	164	10	91	50	34	0	*	*
	<b>2,500-3,999</b>	5,243	805	15	695	166	97	0	41	1,507	75	871	526	348	0	44	53
	<b>4000+</b>	50	*	0	16	*	0	0	0	12	0	14	*	*	0	0	*
	<b>Unknown</b>	10	*	0	*	0	*	0	*	*	0	*	*	0	0	0	0
<b>Prenatal care</b>	<b>No care</b>	144	17	*	15	7	6	0	*	39	*	12	23	15	0	0	*
	<b>1st trimester</b>	4,002	554	10	577	109	61	0	30	1,218	67	652	373	298	0	33	20
	<b>2nd trimester</b>	1,292	225	*	150	54	33	*	14	324	11	239	139	62	0	8	29
	<b>3rd trimester</b>	353	65	*	27	25	8	0	6	90	*	68	40	8	0	*	6
	<b>Unknown</b>	39	9	0	*	*	*	0	0	14	0	8	*	0	0	*	0
<b>Prenatal visits</b>	<b>No visits</b>	144	17	*	15	7	6	0	*	39	*	12	23	15	0	0	*
	<b>1-4 visits</b>	526	78	*	54	42	27	*	11	127	8	96	57	6	0	6	11
	<b>5-8 visits</b>	1,459	224	*	167	58	41	0	16	360	16	302	184	59	0	9	21
	<b>9-12 visits</b>	2,509	368	7	343	57	27	0	11	789	34	403	207	227	0	19	17
	<b>13+ visits</b>	1,151	176	*	189	30	7	0	11	355	23	161	103	74	0	12	6
	<b>Unknown</b>	41	7	0	*	*	*	0	*	15	0	*	*	*	0	*	0
<b>Newborn intensive care</b>	<b>Yes</b>	253	16	0	16	11	*	0	*	107	8	37	26	19	0	0	*
	<b>No</b>	5,574	854	16	753	186	105	*	46	1,578	77	941	551	364	0	47	55
	<b>Unknown</b>	*	0	0	*	0	0	0	0	0	*	*	0	0	0	0	
<b>Obstetric procedures</b>	<b>Amniocentesis</b>	59	*	0	6	*	0	0	*	34	*	8	*	*	0	0	0
	<b>Electronic Fetal Monitoring</b>	5,237	740	6	725	169	49	0	48	1,587	81	802	556	370	0	45	59
	<b>Induction of labor</b>	1,110	144	*	177	25	6	0	*	336	32	165	117	74	0	19	10
	<b>Stimulation of labor</b>	972	106	*	190	27	7	0	*	349	25	179	37	29	0	9	9
	<b>Tocolysis</b>	49	8	0	*	10	*	0	*	15	*	*	*	0	0	0	0
	<b>Ultrasound</b>	4,037	457	15	480	48	67	*	22	1,321	38	588	543	355	0	43	59
	<b>Other</b>	535	45	0	8	*	56	*	*	111	0	22	133	154	0	*	0
<b>Method of delivery</b>	<b>Vaginal</b>	4,347	685	8	627	148	77	0	26	1,211	62	729	449	255	0	32	38
	<b>Vaginal after C-Section</b>	130	45	0	17	*	*	0	*	30	0	22	10	*	0	0	*
	<b>Primary C-Section</b>	667	77	*	61	20	12	*	12	229	10	104	68	54	0	9	8
	<b>Repeat C-Section</b>	678	60	6	65	28	18	0	12	213	13	121	51	73	0	6	12
	<b>Forceps</b>	30	*	0	*	*	0	0	0	9	*	11	*	0	0	0	0
	<b>Vacuum</b>	95	7	0	*	6	*	0	0	23	*	32	9	*	0	*	0



**4.21 (continued)**  
**COMPARISON OF SELECTED CHARACTERISTICS\* OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY**  
**COUNTY OF RESIDENCE, ARIZONA, 2011**

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
<b>Births with medical risk factors</b>	<b>Total</b>	2,593	327	3	222	85	31	1	12	882	4	360	282	163	1	24	12
	<b>Anemia</b>	348	53	0	30	21	8	0	*	155	0	37	20	21	0	0	*
	<b>Cardiac disease</b>	13	*	0	*	0	0	0	0	6	0	*	0	*	0	0	0
	<b>Lung disease</b>	73	*	0	*	*	0	0	0	32	0	10	0	21	0	0	0
	<b>Diabetes</b>	544	73	0	72	9	10	0	*	190	*	89	55	29	0	*	7
	<b>Genital herpes</b>	42	*	0	*	*	0	0	0	22	0	*	*	7	0	0	0
	<b>Hydramnios</b>	107	17	0	8	*	0	0	0	47	0	12	13	6	0	0	0
	<b>Hemoglobinopathy</b>	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
	<b>Chronic hypertension</b>	70	7	0	9	*	*	0	*	31	*	10	*	*	0	0	*
	<b>Pregnancy associated hypertension</b>	366	49	0	60	19	6	0	*	101	0	57	50	17	0	*	*
	<b>Eclampsia</b>	75	*	0	9	*	*	0	*	19	*	*	33	*	0	*	0
	<b>Previous infant 4000+g</b>	56	12	0	6	0	0	0	0	27	0	10	0	*	0	0	0
	<b>Previous SGA infant</b>	41	13	0	*	*	0	0	0	19	0	*	0	*	0	0	0
	<b>Renal disease</b>	7	*	0	*	0	0	0	0	0	0	*	0	0	0	0	0
	<b>RH sensitization</b>	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0
<b>Uterine bleeding</b>	27	*	*	*	*	0	0	0	8	0	7	*	*	0	0	0	
<b>Incompetent cervix</b>	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	
<b>Other</b>	1,732	227	*	92	59	33	0	7	661	*	253	285	86	0	12	8	
<b>Abnormal conditions of the newborn</b>	<b>Total</b>	411	40	3	26	18	15	0	4	92	1	103	32	60	0	8	11
	<b>Anemia</b>	*	*	0	*	*	0	0	0	*	0	0	0	0	0	0	0
	<b>Birth injury</b>	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Fetal Alcohol Syndrome</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Membrane disease</b>	10	0	0	*	*	0	0	*	*	*	0	0	*	0	0	0
	<b>Meconium aspiration</b>	10	*	0	0	0	0	0	0	*	*	*	*	*	0	0	0
	<b>Assisted vent.&lt;30 min</b>	24	0	0	*	*	*	0	8	*	*	*	*	0	0	0	0
	<b>Assisted vent.&gt;30 min.</b>	12	*	0	*	*	0	0	0	*	*	*	0	0	0	0	*
	<b>Newborn seizures</b>	*	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
<b>Other</b>	367	16	*	9	13	16	*	*	132	*	51	27	83	0	*	7	
<b>Births with congenital anomalies</b>	<b>Total</b>	84	4	0	4	4	0	0	0	3	2	7	10	2	0	0	1
	<b>Anencephalus</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Spina bifida/meningocele</b>	*	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Hydrocephalus</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Microcephalus</b>	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
	<b>Other CNS anomaly</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Heart malformations</b>	*	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0
	<b>Other respiratory/circulatory</b>	7	0	0	*	0	0	0	0	*	0	*	0	*	0	0	0
<b>Rectal atresia/stenosis</b>	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	

**4.21 (continued)**  
**COMPARISON OF SELECTED CHARACTERISTICS<sup>a</sup> OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY**  
**COUNTY OF RESIDENCE, ARIZONA, 2011**

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Tracheo-esophageal fistula/esophageal atresia	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Omphalocele/gastroschisis	*	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0
Other gastrointestinal	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Malformed genitalia	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Renal agenesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other urogenital	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0
Cleft lip/palate	10	*	0	*	0	0	0	0	*	*	*	0	0	0	0	0
Polydactyly/syndactyly/adactyly	*	*	0	0	0	0	0	0	*	*	0	0	0	0	0	0
Club foot	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0
Diaphragmatic hernia	5,830	870	16	770	197	109	*	51	1,685	85	979	578	383	0	47	59
Other muscoskeletal	*	0	0	0	0	0	0	0	*	*	0	*	0	0	0	0
Down's syndrome	*	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0
Other chromosomal	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	52	7	0	8	*	*	0	0	11	*	8	11	0	0	0	0
<b>Births with complications</b>																
<b>Total</b>	1,730	232	6	185	76	30	0	6	499	6	282	162	99	0	21	22
Febrile	111	18	0	21	*	0	0	0	40	0	9	6	15	0	0	0
Meconium	222	27	0	32	11	0	0	*	86	*	23	27	10	0	0	*
Rupture of membrane	184	51	*	35	*	*	0	0	48	*	24	11	8	0	0	*
Abruptio placenta	29	10	0	*	*	*	*	*	*	*	*	*	*	0	0	0
Placenta previa	19	*	0	*	*	0	0	0	7	*	*	*	*	0	0	0
Other bleeding	60	17	0	13	*	0	0	*	12	0	10	*	*	0	0	*
Seizures	*	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
Precipitous labor	106	16	*	21	11	*	0	0	26	0	15	*	7	0	0	*
Prolonged labor	79	14	*	20	*	0	0	0	21	0	13	*	*	0	0	0
Dysfunctional labor	192	56	0	36	0	0	0	0	48	0	36	9	*	0	*	0
Breech malpresentation	146	29	*	21	*	*	0	*	42	*	23	8	*	0	*	*
Cephalopelvic disproportion.	24	*	0	*	*	*	0	0	7	*	*	*	0	0	0	0
Cord prolapse	8	*	0	*	*	0	0	0	*	0	*	0	0	0	0	0
Anesthetic complications	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Fetal distress	282	22	0	17	18	*	0	*	119	*	32	16	45	0	0	*
Other	737	95	*	38	25	34	0	*	179	*	152	134	46	0	13	11
<b>Infant mortality<sup>c</sup></b>																
<b>Total</b>	43	10†	0	10†	10†	0†	0	0†	10†	0†	10†	0†	0	0	0	0†
Neonatal	19	*	0	*	*	0	0	0	*	*	*	*	0	0	0	*
Postneonatal	24	*	0	*	*	0	0	*	*	*	7	*	0	0	0	0

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> Obstetric procedures, method of delivery, births with medical risk factors, abnormal conditions of the newborn, births with congenital anomalies, and births with complications may not sum to their respective totals as each birth may be associated with multiple occurrences of each of these indicators; <sup>b</sup> 'Refused', 'Yes, divorced', 'Unknown'; <sup>c</sup> Total infant mortality includes unknown county of residence.