

**Supplement Table 2: Birth Defects Counts and Prevalence (Prevalence per 10,000 live births), 2010-2014 by Case-finding Methodology**

	Active case-finding (n=16)	Passive case-finding without follow-up (n=13)	Passive case-finding with follow-up (n=10)	Total	Note
	Count Prev (95%CI)	Count Prev (95%CI)	Count Prev (95%CI)	Count Prev (95%CI)	
<i>Central Nervous System</i>					
Anencephalus	1,306 2.37 (2.25, 2.51)	466 1.32 (1.20, 1.45)	379 0.79 (0.71, 0.87)	2,151 1.56 (1.49, 1.62)	
Encephalocele	559 1.02 (0.93, 1.10)	285 0.84 (0.74, 0.94)	326 0.68 (0.61, 0.76)	1,170 0.85 (0.81, 0.90)	1
Spina bifida without anencephalus	2,082 3.78 (3.62, 3.95)	1,241 3.52 (3.32, 3.72)	1,293 2.70 (2.55, 2.85)	4,616 3.34 (3.24, 3.44)	
<i>Eye</i>					
Anophthalmia / microphthalmia	1,067 1.95 (1.83, 2.07)	321 0.94 (0.84, 1.05)	469 0.99 (0.91, 1.09)	1,857 1.36 (1.30, 1.43)	2
<i>Cardiovascular</i>					
Atrioventricular septal defect (Endocardial cushion defect)	2,913 5.38 (5.19, 5.58)	1,455 4.28 (4.06, 4.50)	1,800 3.79 (3.61, 3.97)	6,168 4.54 (4.43, 4.66)	3
Coarctation of the aorta	3,002 5.51 (5.32, 5.71)	2,805 8.25 (7.94, 8.56)	2,335 4.87 (4.68, 5.07)	8,142 5.97 (5.84, 6.10)	4
Common truncus (truncus arteriosus)	366 0.67 (0.60, 0.74)	355 1.01 (0.90, 1.12)	258 0.54 (0.47, 0.61)	979 0.71 (0.67, 0.76)	5
Double outlet right ventricle	899 1.69 (1.58, 1.81)	718 2.11 (1.96, 2.27)	845 1.78 (1.66, 1.90)	2,462 1.83 (1.76, 1.90)	6
Ebstein anomaly	425 0.77 (0.70, 0.85)	303 0.91 (0.81, 1.02)	289 0.61 (0.54, 0.68)	1,017 0.75 (0.70, 0.80)	7
Hypoplastic left heart syndrome (HLHS)	1,404 2.55 (2.42, 2.69)	954 2.72 (2.55, 2.90)	1,074 2.24 (2.11, 2.38)	3,432 2.49 (2.40, 2.57)	8
Interrupted aortic arch	292 0.60 (0.54, 0.68)	266 0.78 (0.69, 0.88)	278 0.59 (0.52, 0.66)	836 0.65 (0.60, 0.69)	9
Pulmonary valve atresia and stenosis	5,228 9.50 (9.24, 9.76)	2,842 8.36 (8.05, 8.67)	3,448 7.19 (6.96, 7.44)	11,518 8.41 (8.26, 8.56)	1
Pulmonary valve atresia	762 1.38 (1.29, 1.49)	496 1.65 (1.50, 1.80)	410 0.94 (0.85, 1.03)	1,668 1.29 (1.23, 1.36)	10
Single Ventricle	388 0.76 (0.69, 0.84)	419 1.23 (1.12, 1.36)	317 0.67 (0.60, 0.75)	1,124 0.85 (0.80, 0.90)	11
Tetralogy of Fallot	2,498 4.54 (4.36, 4.72)	1,473 4.17 (3.96, 4.39)	2,033 4.24 (4.06, 4.43)	6,004 4.34 (4.23, 4.45)	
Total anomalous pulmonary venous connection	727 1.36 (1.26, 1.46)	316 0.93 (0.83, 1.04)	420 0.89 (0.81, 0.98)	1,463 1.09 (1.03, 1.14)	12
Transposition of the great arteries	1,922 3.71 (3.55, 3.88)	1,083 3.07 (2.89, 3.26)	1,081 2.26 (2.12, 2.39)	4,086 3.03 (2.93, 3.12)	13
Dextro-transposition of great arteries (d-TGA)	1,541 2.98 (2.83, 3.13)	730 2.42 (2.25, 2.60)	868 2.01 (1.88, 2.15)	3,139 2.51 (2.42, 2.60)	14
Tricuspid valve atresia and stenosis	853 1.66 (1.55, 1.78)	374 1.10 (0.99, 1.22)	1,062 2.25 (2.11, 2.39)	2,289 1.73 (1.66, 1.80)	15
Tricuspid valve atresia	483 0.99 (0.90, 1.08)	55 0.85 (0.64, 1.11)	184 0.74 (0.64, 0.86)	722 0.90 (0.84, 0.97)	16
<i>Orofacial</i>					
Cleft lip with and without cleft palate	5,476 10.06 (9.79, 10.33)	3,243 9.19 (8.88, 9.51)	3,602 7.52 (7.27, 7.77)	12,321 8.95 (8.79, 9.11)	17

	Active case- finding (n=16)	Passive case-finding without follow-up (n=13)	Passive case-finding with follow-up (n=10)	Total	Note
	Count Prev (95%CI)	Count Prev (95%CI)	Count Prev (95%CI)	Count Prev (95%CI)	
Cleft lip with cleft palate	3,614 6.57 (6.36, 6.79)	2,041 5.78 (5.54, 6.04)	2,332 4.87 (4.67, 5.07)	7,987 5.78 (5.65, 5.91)	
Cleft lip alone	1,897 3.48 (3.33, 3.64)	1,202 3.41 (3.22, 3.60)	1,270 2.65 (2.51, 2.80)	4,369 3.17 (3.08, 3.27)	17
Cleft palate alone	3,234 5.88 (5.68, 6.08)	2,059 5.83 (5.59, 6.09)	2,650 5.53 (5.32, 5.74)	7,943 5.75 (5.62, 5.87)	
<i>Gastrointestinal</i>					
Esophageal atresia/tracheoesophageal fistula	1,250 2.35 (2.23, 2.49)	858 2.52 (2.36, 2.70)	1,040 2.19 (2.06, 2.32)	3,148 2.34 (2.26, 2.42)	18
Rectal and large intestinal atresia/stenosis	2,235 4.50 (4.32, 4.69)	1,468 4.32 (4.10, 4.54)	1,714 3.61 (3.44, 3.78)	5,417 4.13 (4.02, 4.24)	19
<i>Musculoskeletal</i>					
Clubfoot	6,778 16.31 (15.93, 16.71)	4,719 13.87 (13.48, 14.27)	5,560 11.84 (11.53, 12.15)	17,057 13.92 (13.71, 14.13)	20
Diaphragmatic hernia	1,492 2.82 (2.68, 2.97)	1,003 2.95 (2.77, 3.14)	1,146 2.41 (2.27, 2.55)	3,641 2.71 (2.62, 2.80)	21
Gastroschisis	2,863 5.20 (5.01, 5.40)	1,337 4.80 (4.54, 5.06)	1,502 3.23 (3.07, 3.40)	5,702 4.41 (4.29, 4.52)	22
Limb deficiencies (reduction defects)	2,827 5.16 (4.97, 5.35)	1,418 4.05 (3.84, 4.26)	1,665 3.47 (3.31, 3.65)	5,910 4.29 (4.18, 4.40)	23
Omphalocele	1,327 2.41 (2.28, 2.54)	608 2.04 (1.88, 2.21)	707 1.52 (1.41, 1.64)	2,642 2.01 (1.94, 2.09)	24
<i>Chromosomal</i>					
Trisomy 13	773 1.40 (1.31, 1.51)	343 0.97 (0.87, 1.08)	369 0.78 (0.70, 0.86)	1,485 1.08 (1.02, 1.13)	25
Trisomy 18	1,749 3.18 (3.03, 3.33)	691 1.96 (1.81, 2.11)	780 1.64 (1.53, 1.76)	3,220 2.34 (2.26, 2.42)	25
Trisomy 21 (Down syndrome)	8,153 14.82 (14.50, 15.14)	4,831 13.69 (13.31, 14.08)	6,131 12.79 (12.48, 13.12)	19,115 13.83 (13.63, 14.03)	

Prev=prevalence; CI=confidence intervals

States contributing to the category 'Active case finding': Arizona (2010-2013), Arkansas (2010-2013), California, Delaware, Georgia (Metropolitan Atlanta), Hawaii (2012), Iowa, Louisiana, Massachusetts, Minnesota, North Carolina, Oklahoma, Puerto Rico, South Carolina, Texas, Utah . Total live births=5,502,807.

States contributing to the category 'Passive case finding': Colorado, Kansas, Michigan (2010-2013), Mississippi, Missouri, Nebraska, Nevada, New Mexico, Oregon, Tennessee, Virginia, West Virginia, Wisconsin . Total live births=3,528,713.

States contributing to the category 'Passive case finding with follow-up': Florida, Illinois, Indiana, Kentucky, Maine, Maryland, New Jersey, New York, Rhode Island, Vermont . Total live births=4,792,252.

1. Excludes New Mexico.

2. Excludes Hawaii, New Mexico, Vermont. Maine data excludes 2010-2012.

3. Excludes New Mexico. Arizona data excludes 2010, 2014, Maine data excludes 2010-2012.

4. Excludes New Mexico. South Carolina data excludes 2011.

5. Excludes Hawaii.

6. Excludes Hawaii, New Mexico. Arizona data excludes 2010-2011, 2014, Maine data excludes 2012-2014.

7. Excludes New Mexico. Delaware data excludes 2011, Maine data excludes 2010-2012, Nevada data excludes 2013-2014.

8. New Mexico data excludes 2011.

9. Excludes Hawaii, Minnesota, New Mexico, Vermont. Arizona data excludes 2010-2011, 2014, Delaware data excludes 2010-2012, Maine data excludes 2012-2014, Puerto Rico data excludes 2010-2013, South Carolina data excludes 2010-2012.

10. Excludes Indiana, Kansas, Mississippi, New Mexico.

11. Excludes Hawaii, New Mexico, Vermont. Maine data excludes 2012-2013, Puerto Rico data excludes 2010-2013, South Carolina data excludes 2010-2013.

12. Excludes Maine, New Mexico, Vermont. Delaware data excludes 2011, Minnesota data excludes 2010-2012, South Carolina data excludes 2010.

13. Excludes California.

14. Excludes Hawaii, Indiana, Kansas, Maine, Minnesota, Mississippi, New Mexico, Puerto Rico.

15. Excludes Maine, Minnesota, New Mexico, Utah.

16. Excludes Arizona, Florida, Indiana, Kansas, Kentucky, Michigan, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New Mexico, Oregon, South Carolina, Tennessee, Vermont, Virginia, West Virginia.
17. South Carolina data excludes 2011.
18. Excludes New Mexico, Puerto Rico. Maine data excludes 2010-2012.
19. Excludes Arizona, New Mexico, Puerto Rico. Maine data excludes 2010-2012.
20. Excludes Arizona, California, Hawaii, Maine, Minnesota, New Mexico, South Carolina, Utah, Vermont.
21. Excludes Hawaii, New Mexico, Puerto Rico. Maine data excludes 2010-2012.
22. Excludes Mississippi, Nevada, Wisconsin. Maryland data excludes 2013-2014, West Virginia data excludes 2010-2012.
23. Excludes Hawaii. New Mexico data excludes 2011.
24. Excludes Mississippi, Nevada, New Mexico. Maryland data excludes 2013-2014, West Virginia data excludes 2010-2012.
25. Maine data excludes 2010-2012.