

CCHD NBS in Texas 2018

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513 CCHD Cases Reported to the Texas NBS Program

Primary		
Hypoplastic Left Heart	54	10.5%
Pulmonary Atresia	25	4.9%
Tetralogy of Fallot	84	16.4%
Total Anomalous Pulmonary	44	8.6%
Transposition of Arteries	75	14.6%
Tricuspid Atresia	21	4.1%
Truncus Arteriosus	21	4.1%
Unspecified Primary	41	8.0%
	365	

9/2014
To
6/2018

Multiple cardiac anomalies
may be present in one child

Secondary		
Coarctation of Aorta	87	17.0%
Double Outlet Ventricle	34	6.6%
Ebstein Anomaly	12	2.3%
Interrupted Aortic Arch	20	3.9%
Single Ventricle	13	2.5%
Unspecified Secondary	71	13.8%
	237	

Timing of Diagnosis

Timeframe	Count	%
Post-natal after norm pulse ox	36	7.0%
Post-natal prior to pulse ox	166	32.4%
Post-natal with pulse ox	74	14.4%
Prenatal unspecified	12	2.3%
Prenatal matched to post	163	31.8%
Prenatal not matched to post	29	5.7%
Unanswered	33	6.4%
Grand Total	513	100.0%

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Treatment

Treatment	Count	%
Cardiac surgery	233	45.4%
Medical management	180	35.1%
Supportive care	47	9.2%
Unanswered	53	10.3%
Grand Total	513	100.0%

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Condition Type

Condition	Count	%
Isolated Heart Disease	337	65.7%
Multiple Anomalies	74	14.4%
Syndrome/Chromosomal	60	11.7%
Unanswered	<u>42</u>	<u>8.2%</u>
Grand Total	513	100.0%

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Case Reports per Year

Birth Year	Count	%
2014 (4 months)	71	13.8%
2015	185	36.1%
2016	132	25.7%
2017	100	19.5%
2018 (5 months)	<u>25</u>	<u>4.9%</u>
Grand Total	513	100.0%

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Reporting Institutions

Facility	Count
Methodist Children's, San Antonio	158
Texas Children's Hospital, Houston	83
University Health System, San Antonio	54
University Hospital, San Antonio	30
Children's Hospital SA, San Antonio	25
Medical City Children's, Dallas	22
Parkland, Dallas	16
Doctors Hospital Renaissance, Edinburg	12
McAllen Medical Center, McAllen	8
Detar Hospital, Victoria	5
Methodist Chariton MC, Dallas	5
Mother Frances Hospital, Tyler	5
Southwest General, San Antonio	5
Women's Hospital Renaissance, Edinburg	5
DHR-Women's Hospital, Edinburg	4
Doctor's Hospital, Laredo	4
Trinity Mother Francis, Tyler	4
Baylor Medical Center, Dallas	3
Cypress Fairbanks Hospital, Houston	3
Doctors Hospital Renaissance, Edinburg	3
El Paso Children's, El Paso	3
UTMB, Galveston	3
Bayshore MC, Pasadena	2
Christus St. Luke's, Livingston	2
Houston Methodist West, Houston	2
Medical City Children's, San Antonio	2
Providence East, El Paso	2
Seton MC Hays, Kyle	2
The Baby Place BC, Greenville	2
UMC Healthsystem, Lubbock	2
Valley Regional MC, Brownsville	2

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Potential Actions

To increase Newborn Screening
CCHD Awareness

Education

- CCHD webinar
- Patient Vignettes
- Develop short video

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Questions?

Thank you

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