Type of CHD	n (%)	Antenatal diagnosis							Outcome				
		Aneuploidy screening (i.e. FTS or NIPT)		Confirmatory genetic testing (i.e. Amniocentesis, CVS, or postnatal)		Extracardiac fetal anomaly (%)	Fetal echocardiography		Lost to follow-up (%)	Second-trimester pregnancy loss (%)	TOP (%)	Live birth	
		Number	High risk (%)	Number	Abnormal (%)		Performed	Concordance* (%)				Number (%)	Neonatal outcome
TGA	18 (16.5)	**Total:** 8 **FTS:** 2 **NIPT:** 3 **Cont:** 3	0 (0)	**Total:** 10 **AN:** 6 **PN:** 4	0 (0)	4 (22.2)	12	12 (100.0)	5 (27.8)	0 (0)	2 (11.1)	11 (61.1)	**A:** 0 **B:** 3 **C:** 0 **D:** 7 **E:** 1
DORV	10 (9.2)	**Total:** 5 **FTS:** 3 **NIPT:** 1 **Cont:** 1	2 (40)	**Total:** 5 **AN:** 3 **PN:** 2	1 (20.0)	0 (0)	4	3 (75.0)	3 (30.0)	0 (0)	2 (20.0)	5 (50.0)	**A:** 1 **B:** 0 **C:** 1 **D:** 3 **E:** 0
Tetralogy of Fallot	15 (13.8)	**Total:** 5 **FTS:** 2 **NIPT:** 3 **Cont:** 0	5§ (100)	**Total:** 14 **AN:** 11 **PN:** 6†	6 (42.9)‡	4 (26.7)	13	10 (76.9)	2 (13.3)	0 (0)	3 (20.0)	10 (66.7)	**A:** 1 **B:** 2 **C:** 6 **D:** 1 **E:** 0
Truncus arteriosus	5 (4.6)	**Total:** 1 **FTS:** 1 **NIPT:** 0 **Cont:** 0	0 (0)	**Total:** 4 **AN:** 4 **PN:** 0	1 (25.0)	1 (20.0)	3	3 (100.0)	1 (20.0)	0 (0)	2 (40.0)	2 (40.0)	**A:** 2 **B:** 0 **C:** 0 **D:** 0 **E:** 0
Interrupted aortic arch	2 (1.8%)	**Total:** 0 **FTS:** 0 **NIPT:** 0 **Cont:** 0	-	**Total:** 0 **AN:** 0 **PN:** 0	-	0 (0)	0	-	1 (50.0)	0 (0)	1 (50.0)	0 (0)	**A:** 0 **B:** 0 **C:** 0 **D:** 0 **E:** 0
Coarctation of aorta	19 (17.4)	**Total:** 10 **FTS:** 5 **NIPT:** 3 **Cont:** 2	1 (10.0)	**Total:** 10 **AN:** 7 **PN:** 3	1 (10.0)	0 (0)	12	10 (83.3)	4 (21.1)	0 (0)	0 (0)	15 (78.9)	**A:** 2 **B:** 3 **C:** 4 **D:** 6 **E:** 0
UVH	15 (13.8)	**Total:** 6 **FTS:** 4 **NIPT:** 1 **Cont:** 1	0 (0)	**Total:** 6 **AN:** 5 **PN:** 1	1 (16.7)	1 (6.67)	7	7 (100.0)	5 (33.3)	1 (6.67)	6 (40.0)	3 (20.0)	**A:** 1 **B:** 1 **C:** 0 **D:** 0 **E:** 1

Type of CHD	n (%)	Antenatal diagnosis							Outcome				
		Aneuploidy screening (i.e. FTS or NIPT)		Confirmatory genetic testing (i.e. Amniocentesis, CVS, or postnatal)		Extracardiac fetal anomaly (%)	Fetal echocardiography		Lost to follow-up (%)	Second-trimester pregnancy loss (%)	TOP (%)	Live birth	
		Number	High risk (%)	Number	Abnormal (%)		Performed	Concordance* (%)				Number (%)	Neonatal outcome
Critical pulmonary valve stenosis	6 (5.5%)	**Total:** 4 **FTS:** 3 **NIPT:** 0 **Cont:** 1	0 (0)	**Total:** 4 **AN:** 3 **PN:** 1	0 (0)	0 (0)	5	5 (100.0)	1 (16.7)	0 (0)	0 (0)	5 (83.3)	**A:** 0 **B:** 2 **C:** 0 **D:** 3 **E:** 0
AVSD	6 (5.5%)	**Total:** 4 **FTS:** 1 **NIPT:** 3 **Cont:** 0	2 (40.0)	**Total:** 4 **AN:** 1 **PN:** 3	3 (75.0)	2 (33.3)	5	5 (100.0)	1 (16.7)	0 (0)	0 (0)	5 (83.3)	**A:** 1 **B:** 0 **C:** 1 **D:** 3 **E:** 0
Large ventricular septal defect	6 (5.5%)	**Total:** 2 **FTS:** 1 **NIPT:** 1 **Cont:** 0	0 (0)	**Total:** 4 **AN:** 2 **PN:** 2	1 (25.0)	1 (16.7)	5	5 (100.0)	1 (16.7)	0 (0)	0 (0)	5 (83.3)	**A:** 0 **B:** 1 **C:** 1 **D:** 3 **E:** 0
Tricuspid atresia	4 (3.7%)	**Total:** 3 **FTS:** 3 **NIPT:** 0 **Cont:** 0	2 (66.7)	**Total:** 3 **AN:** 2 **PN:** 2†	1 (33.3)	1 (25.0)	2	1 (50.0)	0 (0)	1 (25.0)	1 (25.0)	2 (50.0)	**A:** 0 **B:** 1 **C:** 1 **D:** 0 **E:** 0
Critical or severe aortic stenosis	3 (2.8%)	**Total:** 2 **FTS:** 1 **NIPT:** 1 **Cont:** 0	0 (0)	**Total:** 2 **AN:** 1 **PN:** 1	0 (0)	0 (0)	2	1 (50.0)	0 (0)	0 (0)	1 (33.3)	2 (66.7)	**A:** 0 **B:** 0 **C:** 0 **D:** 2 **E:** 0
Total	109	**Total:** 50 **FTS:** 26 **NIPT:** 16 **Cont:** 8	12 (24.0)	**Total:** 66 **AN:** 45 **PN:** 25†	15 (23.1)	14 (12.8)	70	62 (88.6)	24 (22.0)	2 (1.8)	18 (16.5)	65 (59.6)	**A:** 8 **B:** 13 **C:** 14 **D:** 28 **E:** 2

AN: antenatal, AVSD: atrioventricular septal defect, Cont: contingent, CVS: chorionic villus sampling, DORV: double outlet right ventricle, FTS: first trimester screening, NIPT: non-invasive prenatal testing, PN: postnatal, TGA: transposition of great arteries, TOP: termination of pregnancy, UVH: univentricular hearts

A: infant death, **B**: mild medical/developmental issues, **C**: major medical or developmental issues, **D**: no medical or developmental issues, **E**: postnatal lost to follow-up

* Where formal fetal echocardiography was performed, concordance was met when the obstetric fetal anatomical scan made the same major CHD diagnosis without missing any other major CHD

† Three cases of tetralogy of Fallot and one case of tricuspid atresia underwent postnatal genetic testing in addition to antenatal invasive genetic testing for the purpose of additional genetic testing

‡ One case of tetralogy of Fallot had a variant of unknown significance on chromosomal microarray analysis. These variants were also detected in phenotypically normal parents.

§ One aneuploidy screening result was deemed high risk, as it comprised two consecutive inconclusive NIPT results.