



Inclusion criteria:

- Original CNV patient cohorts
- CNV deletion or duplications
- Patients with NCD and/or CHD
- Individual participant data provided

Exclusion criteria:

- Focus on cardiac surgery and outcomes

Studies	Estimate (95% C.I.)	NCD/Total
Mefford et al. (2008)	0.824 (0.675, 0.936)	28/34
Shimada et al. (2015)	0.939 (0.826, 0.999)	31/33
Yang et al. (2016)	0.857 (0.483, 1.000)	6/7
Wieczorek et al. (2000)	0.966 (0.781, 1.000)	13/13
Van der Aa et al. (2009)	0.857 (0.616, 0.997)	12/14
Ghaffari et al. (2018)	0.900 (0.619, 1.000)	9/10
Li et al. (2016)	0.400 (0.018, 0.862)	2/5
Stewart et al. (2004)	0.948 (0.671, 1.000)	8/8
van Bon et al. (2009)	0.941 (0.765, 1.000)	16/17
Allach et al. (2018)	0.606 (0.433, 0.767)	20/33
Koolen et al. (2008)	0.953 (0.701, 1.000)	9/9
Zollino et al. (2015)	0.852 (0.689, 0.965)	23/27
Tan et al. (2009)	0.961 (0.747, 1.000)	11/11
Ballif et al. (2010)	0.942 (0.635, 1.000)	7/7
Brunet et al. (2006)	0.636 (0.327, 0.900)	7/11
Yi et al. (2016)	0.966 (0.781, 1.000)	13/13
Overall (I²=0 % , P=0.037)	0.869 (0.819, 0.913)	215/252







