

Supplementary Table 1. Search strategies in the Ovid platform

	MEDLINE	Embase	NHS economic evaluation database	Health technology assessment
1	Neonatal Screening/	Newborn screening/	Neonatal screening/	Neonatal screening/
2	Severe combined immunodeficiency/	Severe combined immunodeficiency/	Severe combined immunodeficiency/	Severe combined immunodeficiency/
3	("Newborn screening" or "neonatal screening" or "severe combined immune deficiencies").tw.	("Newborn screening" or "neonatal screening" or "severe combined immune deficiencies").tw	("Newborn screening" or "neonatal screening" or "severe combined immune deficiencies").tw	("Newborn screening" or "neonatal screening" or "severe combined immune deficiencies").tw
4	1 or 2 or 3	1 or 2 or 3	1 or 2 or 3	1 or 2 or 3
5	Exp cost-benefit analysis/ or exp cost-effectiveness analysis/	Economic evaluation/ or "cost benefit analysis"/ or "cost effectiveness analysis"/ or "cost minimisation analysis"/ or "cost utility analysis"/	Cost-benefit analysis/	Cost-benefit analysis/ or "costs and cost analysis"/
6	("Economic evaluation" or cost-benefit or cost-effective* or "cost minimization" or "cost-utility").tw.	("Economic evaluation" or cost-benefit or cost-effective* or "cost minimization" or "cost-utility").tw	("Economic evaluation" or cost-benefit or cost-effective* or "cost minimization" or "cost-utility").tw	("Economic evaluation" or cost-benefit or cost-effective* or "cost minimization" or "cost-utility").tw
7	5 or 6	5 or 6	5 or 6	5 or 6
8	4 and 7	4 and 7	4 and 7	4 and 7
9	Limit 8 to (lecture or letter or news or newspaper article)	(Letter or editorial or note).pt.	Limit 8 to yr="2008 -current"	Limit 8 to yr="2008 -current"
10	8 not 9	8 not 9		
11	Limit 10 to dt=20080101-20230831 [January 1st, 2008, to August 31st, 2023]	Limit 10 to dc=20080101-20230831 [January 1st, 2008, to August 31st, 2023]		
12	Limit 10 to rd=20080101-20230831 [January 1st, 2008, to August 31st, 2023]			
13	11 or 12			

Search conducted in September 2023.