

Table S1 Narrative review checklist

Items	Specification
Date of Search (specified to date, month and year)	September 2021 to January 2022
Databases and other sources searched	Medline, Google Scholar, OMIM
Search terms used (including MeSH and free text search terms and filters). Examples include	Acidosis, Metabolic, Respiratory, Diagnosis, Investigation, Causes, Aetiology, Paediatrics, Pregnancy, Human
Timeframe	From database inception to January 2022
Inclusion and exclusion criteria (study type, language restrictions, etc.)	All papers and reviews were included restricted to English
Selection process (who conducted the selection, whether it was conducted independently, how consensus was obtained, etc.)	Alexa R. Shipman and Kate E. Shipman conducted initial search, with refinement by all other authors to obtain consensus and agreement
Any additional considerations, if applicable	Seminal texts were also searched and the references of important articles and texts were obtained and checked for relevance