

## Identification of new studies via EMBASE, MEDLINE, and bioRxiv

### Identification

Records identified from:  
EMBASE (k = 3,772)  
MEDLINE (k = 3,638)  
bioRxiv (k = 966)

Records removed before screening:  
Duplicate records (k = 1,793)

Records screened (k = 6,583)

Records removed after title and abstract  
screened (k = 6,306)

Articles sought for retrieval (k = 277)

Articles not retrieved (conference abstract,  
no response from author, or data not  
available k = 25)

Articles assessed for eligibility (k = 252)

Articles excluded:  
Conference abstract with article included in  
search (k = 23)  
Duplicate (k = 23)  
Adiposity not the exposure (k = 15)  
Commentary (k = 8)  
Not MR (k = 4)  
Erratum (k = 3)  
Preprint in which published paper did not  
include MR (k = 1)  
Conference proceedings (k = 1)  
Not in English (k = 1)

Total articles included in review (k = 177)

Articles included in meta-analyses included  
more than one MR analysis (study). Studies  
were excluded from meta-analyses if they  
were the only study to investigate an  
exposure-outcome association, or if there  
was population overlap between outcome  
data of one study and outcome data of  
another study, or if there was sample  
overlap between exposure data in one study  
and outcome data in another study. In these  
instances, the study with the larger sample  
size was retained.

Total meta-analysed articles (k = 34)  
Total meta-analysed studies (k = 70)  
Total meta-analysed exposure-outcome  
pairs (k = 31)

### Screening

### Included