FULL TEXT SCREENING: On screening the full text: is there an adiposity exposure measured (for at least some of the study population) before 19 years, and is telomere length assessed in the same population, either cross sectionally or after the adiposity measure, in the absence of an intervention and current comorbidity (excluding obesity)?

No - Exclude

- **4a** No measure of entirely childhood adiposity
- **4b** No adiposity measures at all
- **4c** Telomere length not measured
- **4d** Statistical simulations
- **4e** Telomere length not measured in blood
- **4f** Current comorbidity other than obesity

Yes - Is there an extractable effect estimate of the association between adiposity and telomere length (regression coefficient, difference in means, correlation coefficient)?

No - Exclude

- **5a** - No estimate, relevant exposure population (children) - no adiposity/LTL estimate presented even though population includes measure of adiposity solely in children (<19) and telomere length;
- **5b** - Irrelevant estimate, partially relevant (adults and children) exposure population - Paper does not present estimate of relationship between adiposity measured solely in childhood and telomere length, but does present an estimate (just that adult adiposity included in estimate too);
- **5c** - No estimate, partially relevant (adults and children) exposure population - Paper does not present estimate of relationship between adiposity measured solely in childhood (does measure adiposity, just not solely in <19s) and telomere length, AND indeed presents no estimate at all

Yes - Are at least some of the study population selected into the study on the basis of a comorbidity or characteristic?

No - Flag 'Exclude'

Some papers only included in narrative synthesis due to availability of effect estimates

Yes - Flag 'Include'

- **6a** - Participants related, or selected for current study on basis of trait other than adiposity
- **6b** - Participants selected for current study on basis of maternal trait