

Item 13d.a: Methods – Synthesis methods

**Describe how data was synthesised separately by relevant age groups or ranges. If not feasible, provide an explanation**

<b>Title</b>	1a	Title
<b>Introduction</b>	3a	Rationale <i>Justification</i>
	3b	Rationale <i>Treatment effects</i>
<b>Methods</b>	5a	Eligibility criteria
	13d.a.	Synthesis methods
<b>Results</b>	17a	Study characteristics
<b>Discussion</b>	23b.a	Limitations

**Key elements for reporting this item:**

- ✓ • Report prespecified analyses based on pre-defined age groups/ranges, disease stage, subtype, or severity
- ✓ • Report prespecified subgroup analyses to explore differences between subgroups
- ✓ • If data are combined for analyses, provide a justification of why this was done and how

**Examples:**

✓ *“Subgroup analyses were further conducted to estimate the efficacy difference under different conditions stratified by onset age of puberty (<6 years, 6–8 years, or ≥8 years), onset age of intervention (<6 years, 6–8 years, or ≥8 years), and course (<2 years or ≥2 years)...”*

◀ Yang C, Liu Z, Zeng L, et al. Pharmacotherapy for children with central precocious puberty or early puberty: A systematic review and meta-analysis. *Medicine (Baltimore)* 2025;104(31):e41936. doi: 10.1097/MD.00000000000041936

✓ *“Narrative synthesis and meta-analysis of the primary outcome variables were conducted. For adults we calculated the mean difference in weight and for children [and adolescents] [defined as ages 6–13 years] the standardized mean difference in [body mass index] BMI z-score, both using the inverse variance method... Where heterogeneity was found, we had planned to determine the possible reasons using subgroup analysis (festive holidays vs. non-festive holidays, studies performed in winter vs. summer season, effect in people of different levels of adiposity, and effect on people of different ages), but this was not possible due to the low or null availability of studies in each subgroup.”*

Example adapted to include age ranges as defined in the paper

Guerrero-Magana DE, Urquijo-Ruiz LG, Ruelas-Yanes AL, et al. Interventions for the prevention of weight gain during festive and holiday periods in children and adults: A systematic review. *Obes Rev* 2025;26(1):e13836. doi: 10.1111/obr.13836 [published Online First: 20240914]