Number of articles identified through database searching $n = 2522$ (PubMed 769; EMBASE 340; LILACS 1049; SciELO 364)

Articles excluded due to duplicates $n = 496$

Number of articles screened on title and abstract $n = 2026$

Articles excluded based on title or abstract $n = 1909$
- 1584 no type 2 diabetes
- 106 specific population
- 10 pregnant
- 85 outside Brazil
- 42 reviews, editorials, thesis
- 36 children and teenagers (18 years)
- 44 sample less than 300 persons
- 2 non-random sample

Number of full-text articles assessed for eligibility $n = 117$

Articles excluded based on full-text review $n = 77$
- 2 no type 2 diabetes
- 13 reviews, editorials, thesis
- 5 children and teenagers (18 years)
- 40 republished data
- 6 is not population-based
- 10 non-random sample
- 1 incomplete data

Number of articles meeting the inclusion criteria $n = 40$

Number total of articles included $n = 50$

Articles retrieved in references $n = 10$

**Figure S1.** Flow diagram: identification and selection of articles included in the meta-analysis