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Supplementary Table S1. Item-level Newcastle-Ottawa Scale appraisal of the primary sources in Table 1

Scoring used the NOS cohort version adapted for population-based incidence studies: Selection (max 4 stars) = representativeness of the source population, comparison group from the same population, secure ascertainment of the grouping variable, and inclusion of incident cases only; Comparability (max 2 stars) = stratification or adjustment for age/sex and for ethnicity or another key factor; Outcome (max 3 stars) = diagnosis by recognized criteria, observation period of at least 10 years, and verified completeness of case ascertainment.

Source	Selection (0–4)	Comparability (0–2)	Outcome (0–3)	Total	Main reason for lost stars
R1 Candler 2018 (UK)	4	2	1	7/9	Two 13-month surveys 10 yr apart rather than continuous surveillance; voluntary clinician reporting without completeness check
R2 Zuckerman Levin 2022 (Israel)	4	2	2	8/9	Completeness of national case capture not independently verified
R3 AIHW 2014 (Australia, national)	4	2	1	7/9	Diabetes type from registration data rather than clinical criteria; report itself notes data-source limitations
R4 Haynes 2016 (Western Australia)	4	2	2	8/9	Authors note likely under-ascertainment (no population screening)
R5 Sjardin 2018 (Auckland)	4	1	2	7/9	No adjustment for age/sex in trend analysis; referral-based capture in one regional service
R6 Urakami 2018 (Tokyo)	4	1	2	7/9	Stratified by school level but not by sex or ethnicity; urine screening misses non-glycosuric early cases

References

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R2. Zuckerman Levin N, Cohen M, Phillip M, Tenenbaum A, Koren I, Tenenbaum-Rakover Y, et al. Youth-onset type 2 diabetes in Israel: a national cohort. Pediatr Diabetes 2022;23:649-59.

R3. Australian Institute of Health and Welfare. Type 2 diabetes in Australia's children and young people: a working paper. Canberra (Australia): AIHW, 2014.

R4. Haynes A, Kalic R, Cooper M, Hewitt JK, Davis EA. Increasing incidence of type 2 diabetes in Indigenous and non-Indigenous children in Western Australia, 1990–2012. Med J Aust 2016;204:303.

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R6. Urakami T, Miyata M, Yoshida K, Mine Y, Kuwabara R, Aoki M, et al. Changes in annual incidence of school children with type 2 diabetes in the Tokyo Metropolitan Area during 1975-2015. Pediatr Diabetes 2018;19:1385-92.