

Additional File 4. Relevance of study findings table

Paper: Potential for non-combustible nicotine products to reduce socioeconomic inequalities in smoking: a systematic review and synthesis of best available evidence.

Authors: Mark Lucherini, Sarah Hill, Katherine Smith

Tier	Description	Specific criteria
Tier 1	Evidence of NCNP use (prevalence) by SES , with adequate power to detect differences by SES AND information on cigarette use (prevalence) by SES in the same population	Cross-sectional data (including from cohort studies) demonstrating: <ul style="list-style-type: none"> - Prevalence of NCNP use by SES - Statistically significant difference in NCNP use by SES, or sufficiently powered to confirm lack of difference - Prevalence of cigarette use by SES
Tier 2	Evidence of NCNP use (prevalence) by SES , with adequate power to detect differences by SES, but no information on cigarette use by SES in the same population	Cross-sectional data (including from cohort studies) demonstrating: <ul style="list-style-type: none"> - Prevalence of NCNP use by SES - Statistically significant difference in NCNP use by SES, or sufficiently powered to confirm lack of difference
Tier 3	Indirect evidence of NCNP and cigarette use in relation to SES, but no estimates of use (prevalence) in the underlying population	Cross-sectional data (including from cohort studies) demonstrating: <ul style="list-style-type: none"> - Prevalence of NCNP use by SES among smokers, <i>OR</i> - Association between SES and NCNP/tobacco use (Odds Ratios only), <i>OR</i> - Distribution of different product user groups (smokers, e-cig users, dual users) by SES
Tier 4	Evidence of pattern of NCNP by SES, but no test of statistical significance / no evidence of adequate study power	Cross-sectional data (including from cohort studies) demonstrating: <ul style="list-style-type: none"> - Prevalence of NCNP use by SES, inadequately powered

Best evidence adults include Tier 1, 2 and 3 studies of medium and higher quality.

Best evidence for young people includes only Tier 1 studies of high or medium quality (ie studies must include evidence on tobacco use by SES in the same population).