|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study, year** | **Screening test** | **Definition of a positive screening exam** | **Reference standard** | **Type of study** | **Country Setting** | **Population characteristics** | **Sample size Proportion with condition** | **Proportion unexaminable by screening test** |
| Stefanak, 199645 | CDC Lead Poisoning Risk Questionnaire | A positive response to any of the 4 relevant questions from the CDC Lead Poisoning Risk Questionnaire | Venous blood lead testing | Prospective cohort | Prenatal clinics United States | Mean age: NR Race: 66% white,  28% black  Mean blood lead:  12.6 µg/dL | n=314  Prevalence of elevated blood lead: 13% | 4.8% (15/314) |
| Three questions regarding housing, smoking, and consumption of canned foods | A positive response to any of the 3 relevant questions | See above | See above | See above | See above | See above | See above |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study, year** | **Analysis of screening failures** | **Proportion who underwent reference standard and included in analysis** | **Sensitivity (95% CI)** | **Specificity (95% CI)** | **Positive likelihood ratio**  **(95% CI)** | **Negative likelihood ratio**  **(95% CI)** | **Positive predictive value**  **(95% CI)** | **Negative predictive value**  **(95% CI)** | **Quality rating** | **Comments** |
| Stefanak, 199645 | NR | 299/315 (95.2%) | 75.7% (NR) | 46.2% (NR) | 11 (NR)  [Calculated] | 0.26 (NR) | 16.6% (NR)  [Calculated] | 93.1% (NR) | Poor | Also reports accuracy results for a different set of questions (i.e., not the CDC questions) |
| See above | See above | 89.2% (NR) | 96.4% (NR) | 25 (NR)  [Calculated] | 0.11 (NR) [Calculated] | 41.2% (NR) | 17.7% (NR) | Poor |  |

**Abbreviations:** CDC=Centers for Disease Control and Prevention; CI=confidence interval; NR=not reported.