Appendix D Table 21. Benefits of Primary Care Interventions for Child Maltreatment Prevention From Randomized, Controlled Trials in the Sensitivity Analysis (KQ1) – Emergency Department Visits, Categorical Outcomes

| Author, YearQualityOverall Sample Size (Analyzed) | Outcome Definition | Followup Timing | ED Visits, G1 No. (%)  | ED Visits, G2No. (%)  | ED Visits, G3No. (%)  | ED Visits, G4No. (%)  | Effect Estimate or Other Outcome Measure |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Duggan et al, 1999145PoorTotal N=730 mothers randomized (N analyzed=564) | Ever used ED in first year of life based on maternal report | 1 year | NR (44) | NR (40) | NA | NA | Calculated RR: 0.91, 95% CI, 0.75 to 1.11Reported p=0.27 |
| Duggan et al, 1999145PoorTotal N=730 mothers randomized (N analyzed=534) | Ever used ED for any reason in first 2 years of life; based on maternal reports because review of pediatric medical records and claims files was still in progress when study was published  | 2 years | NR (60) | NR (58) | NA | NA | Calculated RR: 0.97, 95% CI, 0.84 to 1.12Reported p=0.69 |
| Koniak-Griffin et al, 2002171PoorTotal N=144 caregivers randomized (N analyzed=101) | Number of children with ED visits; based on maternal reports, verified with medical records when possible; medical record used in cases of discrepancy | 24 months | 40 (88.9) | 36 (64.3) | NA | NA | Calculated RR: 0.72, 95% CI, 0.58 to 0.90 p=0.004 |
| Paradis et al, 2013178PoorTotal N=497 families randomized (N analyzed=216) | Absence of ED visits for injury; assessed via EMR among participants completing the program “to date” | 24 months | 69 (71) | 75 (64) | NA | NA | Calculated RR: 1.28, 95% CI, 0.88 to 1.89Reported p=NS |
| Wagner and Clayton, 1999179 (Salinas Valley PAT)\*PoorTotal N=497 families randomized (N analyzed=363) | Child had emergency room treatment in past year; based on annual interview with parents | 3 years | NR (24.5) | NR (20.3) | NA | NA | Calculated RR: 0.83, 95% CI, 0.56 to 1.22Reported T=-0.12, p=NS |

\* ED visits not reported for PAT: Teen.

**Abbreviations:** CI=confidence interval; ED=emergency department; EMR=electronic medical record; G=group; KQ=key question; N=number; NA=not applicable; No.=number; NR=not reported; NS=not sufficient; PAT=Parents as Teachers; RR=relative risk.