Appendix D Table 23. Benefits of Primary Care Interventions for Child Maltreatment Prevention From Randomized, Controlled Trials in the Sensitivity Analysis (KQ1) – Emergency Department Visits, Continuous Outcomes

| Author, Year  Quality  Overall Sample Size (Analyzed) | Outcome Definition | Followup Timing | Mean Number of Episodes in G1  Mean (SD) | Mean Number of Episodes in G2  Mean (SD) | Mean Number of Episodes in G3  Mean (SD | Mean Number of Episodes in G4  Mean (SD | Effect Estimate or Other Outcome Measure |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Barth, 1991134  Poor  Total N=191 caregiver randomized (N analyzed=NR) | Number of times newborn was taken to emergency medical service; based on mother self-report | 3 years  (Range 2–5 years) | 1.44 (0.50) | 1.44 (0.50) | NA | NA | Calculated mean difference 0.0 (95% CI,  -0.142 to 0.142) |
| Hardy et al, 1989173  Poor  Total N=290 infants randomized (N analyzed=263) | Mean number of ED visits at followup; determined by (1) computerized record system with summaries of visits to the C&Y clinic, the pediatric ED, and other JHU clinics, and brief descriptions of inpatient hospital care, (2) review of medical records, (3) data collected by home visitor on final visit, and (4) telephone interview | 10–30 months after birth | 4.3 (NR) | 3.0 (NR) | NA | NA | NR |
| Koniak-Griffin et al, 2002175  Poor  Total N=144 caregivers randomized (N analyzed=102) | Total number of ED visits; based on maternal reports, verified with medical records when possible; medical records used in cases of discrepancy | 12 months | 80 (NA) | 90 (NA) | NA | NA | p=NS |
| Koniak-Griffin et al, 2003171  Poor  Total N=144 caregivers randomized (N analyzed=101) | Total number of episodes of ED visits; based on maternal reports, verified with medical records when possible; medical records used in cases of discrepancy | 24 months | 118 (NR) | 149 (NR) | NA | NA | NR |
| Paradis et al, 2013178  Poor  Total 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 | 2.7 (3.6) | 2.6 (2.4) | NA | NA | Mean difference -0.01 (95% CI, -0.90 to 0.70)  Reported p=NS |

**Abbreviations:** CI=confidence interval; C&Y=children and youth; ED=emergency department; EMR=electronic medical record; ER=emergency room; G=group; JHU=Johns Hopkins University; KQ=key question; N=number; NA=not applicable; NR=not reported; NS=not sufficient; SD=standard deviation.