**Table 1: All identified studies from systematic review**

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| **Study**  | **Title** | **RoB**  | **First Author**  | **Year of publication** | **Number of centres involved** | **Country (s) included in the study** | **Study Design (e.g. cohort, cross-section, RCT)** | **Study Population (Intervention) (Age, general paediatric population versus subpopulation e.g. oncology or cardiology)** |
| 1 | Implementation of a medical emergency team in a large pediatric teaching hospital prevents respiratory and cardiopulmonary arrests outside the intensive care unit. | + | Richard J. **Brilli** | 2007 | 1 | United States | Cohort pre-post implementation | General |
| 2 | Effect of a rapid response team on hospital-wide mortality and code rates outside the ICU in a Children’s Hospital. | + | Paul J **Sharek** | 2007 | 1 | United States | Cohort study design with historical controls | General |
| 3 | Transition from a traditional code team to a medical emergency team and categorization of cardiopulmonary arrests in a children’s center. | + | **Hunt** EA | 2008 | 1 | United States | Before-after interventional study | Cardiology |
| 4 | Reduction of hospital mortality and of preventable cardiac arrest and death on introduction of a pediatric medical emergency team. | + | J **Tibballs** | 2009 | 1 | Australia | Prospective study (before, after) | General |
| 5 | Experience of pediatric rapid response team in a tertiary care hospital in Pakistan. | 0 | **Anwar-ul-Haque** | 2010 | 1 | Pakistan | Observational, cohort, retrospective (before, after) | General |
| 6 | A reduction in cardiac arrests and duration of clinical instability after implementation of a paediatric rapid response system. | + | CC **Hanson** | 2010 | 1 | United States | Interrupted time series with retrospective chart review | General |
| 7 | Implementation of a Multicenter Rapid Response System in Pediatric Academic Hospitals Is Effective. | + | Afrothite **Kotsakis** | 2011 | 4 | Canada | Observational retrospective pre-implementation and prospective post-implementation | General |
| 8 | Implementing the Bedside Paediatric Early Warning System in a community hospital: A prospective observational study. | + | Christopher **Parshuram** | 2011 | 1 | Canada | Prospective observational before-after study | General |
| 9 | Effect of a multifaceted intervention on documentation of vital signs and staff communication regarding deteriorating paediatric patients. | + | Heather **McKay** | 2013 | 1 | Australia | Prospective, controlled before-and-after trial | General |
| 10 | Impact of rapid response system implementation on critical deterioration events in children. | + | Christopher P. **Bonafide** | 2014 | 1 | United States | Retrospective Interrupted Time Series Analysis | General |
| 11 | What impact did a Paediatric Early Warning system have on emergency admissions to the paediatric intensive care unit? An observational cohort study. | + | G. **Sefton** | 2014 | 1 | United Kingdom | Observational cohort study | General |
| 12 | Implementation of a pediatric early warning scoring system at an academic medical center. | 0 | **Douglas** K | 2016 | 1 | United States | Observational, cohort, retrospective (before, after) | General |
| 13 | Improved Outcomes After Successful Implementation of a Pediatric Early Warning System (PEWS) in a Resource-Limited Pediatric Oncology Hospital. | + | Asya **Agulnik** | 2017 | 1 | Guatemala | Retrospective Cohort pre-post implementation | Oncology |
| 14 | Predicting unplanned readmissions to a pediatric cardiac intensive care unit using predischarge Pediatric Early Warning Scores. | 0 | Ashley R. **Kroeger** | 2018 | 1 | United States | Retrospective chart review pre- and post- implementation of pre-transfer PEWS score (prior to transfer out of ICU) | Cardiology |
| 15 | Effect of a Pediatric Early Warning System on All-Cause Mortality in Hospitalized Pediatric Patients: The EPOCH Randomized Clinical Trial. | ++ | Christopher **Parshuram** | 2018 | 21 | Belgium, Canada, England, Ireland, Italy, New Zealand, Netherlands | Multicenter cluster randomized trial | General |