## Supplemental information 3a: Detailed study information about safety netting after ED discharge

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* Legend supplemental information 4a: see supplemental information 4c
### Supplemental information 3b: Detailed study information about determinants of revisits

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### Respiratory symptoms

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Yes: Strong

### Seizure and other nervous system

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Yes: Strong

### Progression/persistence of symptoms

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### Trauma/surgery

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### Acute triage category/Illness acuity

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### Change in working diagnosis

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### Pain/sores

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### PHYSICIAN CHARACTERISTICS

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No: Strong

### PROCESS CHARACTERISTICS

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No: Strong

### Hospitalisation

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No: Moderate

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No: Limited

**Legend supplemental information 4c: see supplemental information 4c**
Supplemental information 3c: explaining determinant-differences of all included studies

All: all disease studied;
Fever: febrile patients studied;
Spec: disease specific studies, e.g. respiratory tract infections, gastroenteritis, bronchiolitis, influenza-like illness

Explicit and consistent safety netting advice, including:
- Generic discharge instructions (Augustine 2013)
- Pre-printed discharge prescription and instructions (Fagbuyi 2011)
- Discharge information sheets (Moineau 2004)

Educational intervention, including:
- Classroom-style parent discharge education (Fagbuyi 2011)
- Evidence-based education of emergency nurses on parental advice regarding fever management (Considine 2007)
- Video discharge instructions (Bloch 2013; Ismail 2013)
- Computer-generated diagnosis-specific discharge instructions (Lawrence 2009)
- Verbal reinforcement of written discharge instructions by a bilingual discharge facilitator (Patel 2009)

Ethnicity, including:
- Hispanic vs white (LeDuc 2006; Zimmerman 1996)
- Black vs other (Jacobstein 2002)
- Non-white vs white (Mansbach 2008)
- Black and Latino vs white (Berry 2013)

Medical history, including:
- History of intubation and/or eczema (Mansbach 2008)
- No ED visit during past week (Mansbach 2008)
- History of wheezing and family history of asthma (Roback 1997)
- chronic condition indicator (CCI) group and CCI count (Berry 2013)
- Prior ED use (Gregor 2009)
- Chronic disease (Jacobstein 2002)
- Anemia or neutropenia (Berry 2013)
- Sickle cell anemia crisis (Berry 2013)

Characteristics care givers, including:
- Caregivers age; education status; employment status (Jacobstein 2002)
- Living near hospital/ primary care physician (Jacobstein 2002; Liberman et al. 2012)
- Family demographics: age primary caregiver; marital status; presence and age of other children; presence of other caregivers (Mistry 2007)
- Language spoken at home (Gallagher 2013; Goldman 2011; Samuels 2013)
- Parental perception of illness (Maguire 2011; Lal 1999)
- Single caregivers (Gregor et al. 2009)
- Consultation with sibling (Angoulvant 2013)
- Dissatisfaction with initial visit (Augustine 2013)
- Anxious/stressed carer (Logue 2013; Simmons 2012)
- Demographical data (Roback 1997)
# Low social economic status (SES), including:
- Living in low SES area (Callery et al. 2010)
- Insurance type (Jacobstein 2002; Liberman 2012)
- Public insurance (Zimmerman 1996)
- Insurance type (Berry 2013; Gregor 2009; LeDuc 2006)
- Carers’ highest level of education (Gallagher 2013)

* Emergency crowding, including:
- Timing of revisit (Alessandrini 2004)
- Same day discharges (Callery 2010)
- Weekend/weekday (Jacobstein 2002)
- Arriving 3pm-11pm via private transportation (Easter.2012)
- Arrival in evening/weekend hours (Goldman 2006; LeDuc 2006)
- Arrival during overnight shift (Gallagher 2013)

* Symptoms of infectious diseases, including:
- Feverish illnesses (Angoulvant 2013; Augustine 2013; Callery 2010; Easter 2012; Mintegui 2000)
- Initial diagnosis of URTI (Black 2010; Easter 2012; Hacking 2012)
- Gastroenteritis/diarrhoea/dehydration/vomiting (Berry 2013; Black 2010; Callery 2010; Easter 2012; Hacking 2012; Klein-Kremer 2011; LeDuc 2006; Simmons 2012)
- No adequate oral intake (Mansbach 2008)
- Temperature in triage (Klein-Kremer 2011)

** Respiratory symptoms, including:
- Respiratory related illnesses (Alessandrini 2004)
- Breathing difficulty (Callery 2010)
- Cough (Klein-Kremer 2011)
- Respiratory symptoms (Angoulvant 2013; Mintegui 2000)
- Respiratory diagnoses (Berry 2013; Hacking 2012; Zimmerman 1996)
- Specific respiratory symptoms, including:
  - Age-specific respiratory rates (Mansbach 2008; Roback 1997)
  - Severe retractions (Mansbach 2008; Roback 1997)
  - Initial oxygen saturation <94% (Mansbach 2008; Roback 1997)
  - More albuterol/epinephrine in first hour (Mansbach 2008; Roback 1997)
  - No adequate oral intake (Mansbach 2008)

= Trauma/surgery
- Limping (Klein-Kremer 2011)
- Trauma (Alessandrini 2004)
- Minor trauma (Zimmerman 1996)
- Ventricular shunt procedures (Berry 2013)

§ Illness acuity, including:
- Mild disease severity at ED index visit (Gregor 2009)
- Higher acuity in 2nd visit (Goldman 2011)

^ Progression/persistence of symptoms, including:
- Prolonged fever (Klein-Kremer 2011)
- Impairment in child activities (Mistry 2007)
- Parental perception of illness (Lal 1999; Maguire 2011)
- Time elapsing from 1st visit – revisit (Goldman 2011)

**Characteristics physician, including:**
- Treatment by physician versus intern (Jacobstein 2005)
- Physicians’ year of experience/training level (Gaucher 2012; Roback 1997)
- Attending physician versus resident (Chang 2008)
- Pediatrician vs Emergency physician (Seow 2007)

**Diagnostic tests/therapeutic intervention, including:**
- Obtaining blood cultures/tests (Angoulvant 2013; Klein-Kremer 2011)
- Radiological assessment (Angoulvant 2013)