Outbreaks in NICUs relating to ESBL producing organisms

1. Search will be done in PubMed, MEDLINE, SCOPUS and Cochrane

2. There will be no language or time restrictions

3. The search will be done on 17th July 2014

3. The search queries in each database will be

Search	Query
#4	Search ((neonatal) AND outbreak) AND extended spectrum beta lactamase
#3	Search ((neonatal) AND outbreak) AND ESBL
#2	Search ((nicu) AND outbreak) AND extended spectrum beta-lactamase
#1	Search ((nicu) AND outbreak) AND ESBL

Inclusion criteria

- Types of studies
    - Outbreak reports
    - Observational studies
    - Interventional studies of infection control procedures
    - No language restriction
    - No date restriction
- Types of participants
    - Patients in neonatal intensive care units
    - Humans
- Types of interventions
    - Any aimed at terminating the outbreak
- Types of data that will be extracted (the numbers refer to the ORION guidance on outbreak reporting)
    - Study name (#1)
    - Author
    - Year of publication
    - Journal and full reference details

- NICU setting (yes/no)
- ESBL producing organism caused the outbreak
- Country of outbreak
- Species of ESBL producer
- BAckground regarding outbreak (#2)
- Type of outbreak (#3)
- Dates of outbreak (#4)
- Objective of outbreak report (#5)
- Design (#6)
- PArticipants (#7)
- Setting (#8)
- Interventions (#9)
- Culturing and typing methods (#10)
- Source of outbreak (#11)
- Total number of children (#11)
- No. of children infected (#11)
- No. of children colonised (#11)
- All child mortality (#11)
- Mortality of children with infections (#11)
- Morbidity of children with infections (#11)
- Antimicrobial treatment given (#11)
- Chronic carriage or length of carriage (#11)
- Staff screening (#11)
- Environmental screening (#11)
- Risk factors for acquisition (#11)
- Screening of parents (#11)
- Economic evaluation (#12)
- Potential threats to internal validitiy (#13)
- Statistical methods (#15)
- Microbiological cure (#17)
- Clinical cure (#17)
- Adverse events (#19)