

Appendix 1 Search strategy

Ovid MEDLINE(R) ALL <1946 to February 23, 2023>

Date searched: Feb 24, 2023

Number of results: 760

1	(NICU or NICUs or neonatal-intensive-care-unit* or ICN* or intermediate-care-nurs* or neonat* or newborn* or NNU* or neonat*-nurs*-unit* or infant or infants or baby or babies or premie*).mp.	1606186
2	Intensive Care, Neonatal/	6107
3	Intensive Care Units, Neonatal/	17809
4	exp Infant/	1241023
5	1 or 2 or 3 or 4	1606186
6	(VAP or (Ventilator adj4 (pneumonia* or tracheobronchitis)) or ventilator associated event or PedVAE or ventilator acquired event or VAE or ((hospital or healthcare or health care or NICU or neonatal intensive care) adj6 (associated pneumonia or acquired pneumonia or pneumonia associated or pneumonia acquired or associated tracheobronchitis or acquired tracheobronchitis or tracheobronchitis associated or tracheobronchitis acquired))).mp.	13409
7	Pneumonia, Ventilator-Associated/	4192
8	healthcare-associated pneumonia/	314
9	6 or 7 or 8	13409
10	5 and 9	760

Embase <1974 to 2023 February 23> (Ovid Interface)

Date searched: Feb 24, 2023

Total results: 1272

1	(NICU or NICUs or neonatal-intensive-care-unit* or ICN* or intermediate-care-nurs* or neonat* or newborn* or NNU* or neonat*-nurs*-unit* or infant or infants or baby or babies or premie*).mp.	1519304
2	newborn intensive care/ or newborn care/ or newborn intensive care nursing/	41084
3	neonatal intensive care unit/	20901
4	neonatal ventilator/	312
5	newborn/ or infant/	1113273
6	1 or 2 or 3 or 4 or 5	1519304
7	exp ventilator associated pneumonia/ or health care associated pneumonia/	14247
8	(VAP or (Ventilator adj4 (pneumonia* or tracheobronchitis)) or ventilator associated event or PedVAE or ventilator acquired event or VAE or ((hospital or healthcare or health care or NICU or neonatal intensive care) adj6 (associated pneumonia or acquired pneumonia or pneumonia associated or pneumonia acquired or associated tracheobronchitis or acquired tracheobronchitis or tracheobronchitis associated or tracheobronchitis acquired))).mp.26150	
9	7 or 8	26150
10	6 and 9	1272

Cochrane TRIALS (Wiley Interface)

Date searched: Feb 24, 2023

Number of results: 136

#1	[mh ^" Intensive Care, Neonatal"] or [mh ^" Intensive Care Units, Neonatal"] or [mh " Infant, Newborn"] or (nicu OR nicus OR "neonatal intensive care unit" OR icn* OR ("intermediate care" NEXT nurs*) OR neonat* OR newborn* OR nnu* OR (neonat* NEXT nurs* NEXT unit*) OR infant OR infants OR baby OR babies OR premie*):ti,ab,kw	
#2	[mh ^" Pneumonia, Ventilator-Associated"] or [mh ^" healthcare-associated pneumonia"] or (vap OR (ventilator NEAR/4 (pneumonia* OR tracheobronchitis)) OR "ventilator associated event" or PedVAE or "ventilator acquired event" or VAE OR ((hospital OR healthcare OR "health care" OR nicu OR "neonatal intensive care") NEAR/4 ("associated pneumonia" OR "acquired pneumonia" OR "pneumonia associated" OR "pneumonia acquired" OR "associated tracheobronchitis" OR "acquired tracheobronchitis" OR "tracheobronchitis associated" OR "tracheobronchitis acquired"))):ti,ab,kw	
#3	#1 AND #2	

CINAHL Plus with Full Text (Ebscohost Database)

Date searched: Feb 24, 2023

Number of results: 280

S1	(MH "Infant, Newborn+") OR (MH "Intensive Care, Neonatal") OR (MH "Intensive Care Units, Neonatal") OR (MH "Neonatal Intensive Care Nursing") OR nicu OR nicus OR "neonatal intensive care unit" OR icn* OR "intermediate care nurs*" OR neonat* OR newborn* OR nnu* OR "neonat* nurs* unit*" OR infant OR infants OR baby OR babies OR premie*	393,061
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S2 (MH "Pneumonia, Ventilator-Associated") OR (MH "Healthcare-Associated Pneumonia") OR vap OR (ventilator W/4 (pneumonia* OR tracheobronchitis)) OR "ventilator associated event" or PedVAE or "ventilator acquired event" or VAE OR (hospital OR healthcare OR "health care" OR nicu OR "neonatal intensive care") W/4 ("associated pneumonia" OR "acquired pneumonia" OR "pneumonia associated" OR "pneumonia acquired" OR "associated tracheobronchitis" OR "acquired tracheobronchitis" OR "tracheobronchitis associated" OR "tracheobronchitis acquired")) 4627
S3 S1 AND S2 280

SCOPUS (Advanced Search)

Date searched: Feb 23, 2024

Number of results: 1269

TITLE-ABS-KEY (nicu OR nicus OR "neonatal intensive care unit*" OR icn* OR "intermediate care nurs*" OR neonat* OR newborn* OR nnu* OR "neonat* nurs* unit*" OR infant OR infants OR baby OR babies OR preemie*) AND TITLE-ABS-KEY (vap OR (ventilator W/4 (pneumonia* OR tracheobronchitis)) OR "ventilator associated event" OR pedvae OR "ventilator acquired event" OR vae OR ((hospital OR healthcare OR "health care" OR nicu OR "neonatal intensive care") W/4 ("associated pneumonia" OR "acquired pneumonia" OR "pneumonia associated" OR "pneumonia acquired" OR "associated tracheobronchitis" OR "acquired tracheobronchitis" OR "tracheobronchitis associated" OR "tracheobronchitis acquired")))

Web of Science Core Collection

Date searched: Feb 23, 2024

Number of results: 466

TS=(nicu OR nicus OR "neonatal intensive care unit*" OR icn* OR "intermediate care nurs*" OR neonat* OR newborn* OR nnu* OR "neonat* nurs* unit*" OR infant OR infants OR baby OR babies OR preemie*) AND TS=(vap OR (ventilator NEAR/4 (pneumonia* OR tracheobronchitis)) OR "ventilator associated event" or PedVAE or "ventilator acquired event" or VAE OR ((hospital OR healthcare OR "health care" OR nicu OR "neonatal intensive care") NEAR/4 ("associated pneumonia" OR "acquired pneumonia" OR "pneumonia associated" OR "pneumonia acquired" OR "associated tracheobronchitis" OR "acquired tracheobronchitis" OR "tracheobronchitis associated" OR "tracheobronchitis acquired")))

Dissertation and Theses Global (Proquest database - Command line search)

Date searched: Feb 23, 2024

Number of results: 5

noft(nicu OR nicus OR "neonatal intensive care unit*" OR icn* OR "intermediate care nurs*" OR neonat* OR newborn* OR nnu* OR "neonat* nurs* unit*" OR infant OR infants OR baby OR babies OR preemie*) AND noft(ventilator NEAR/4 (pneumonia* OR tracheobronchitis)) OR "ventilator associated event" or PedVAE or "ventilator acquired event" or VAE OR ((hospital OR healthcare OR "health care" OR nicu OR "neonatal intensive care") NEAR/4 ("associated pneumonia" OR "acquired pneumonia" OR "pneumonia associated" OR "pneumonia acquired" OR "associated tracheobronchitis" OR "acquired tracheobronchitis" OR "tracheobronchitis associated" OR "tracheobronchitis acquired")))

Google search for presentations/reports

Google advanced search

Date searched: September 21, 2023

"ventilator associated pneumonia" infant OR neonate OR newborn OR NICU filetype:doc

Reviewed 59 Results

"ventilator associated pneumonia" infant OR neonate OR newborn OR NICU filetype:ppt

Reviewed 24 results

"ventilator associated pneumonia" infant OR neonate OR newborn OR NICU filetype: PDF

60 Results Reviewed