**Supplemental Digital Content 1.** LiteratureSearch Strategy

Database: Embase <1996 to 2018>

Search Strategy:

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#1 'newborn, infant'/exp

#2 newborn$

#3 infant$

#4 neonat\*

#5 #1 OR #2 OR #3 OR #4

#6 'antibiotic prophylaxis'/exp OR 'antibiotic prophylaxis'

#7 intrapartum NEXT/2 prophylaxis

#8 'maternal antibiotic exposure'

#9 'intrapartum prophylaxis policy'

#10 prophylaxis

#11 perinatal\*

#12 antenatal\*

#13 maternal\*

#14 intrapartum\*

#15 #11 OR #12 OR #13 OR #14

#16 antibiotic$

#17 'penicillin'/exp OR penicillin

#18 'ampicillin'/exp OR ampicillin

#19 #16 OR #17 OR #18

#20 #15 AND #19

#21 #6 OR #7 OR #8 OR #9 OR #10 OR #20

#22 'risk-based' OR risk

#23 'screening-based' OR screening

#24 'culture-based'

#25 protocol

#26 #22 OR #23 OR #24 OR #25

#27 'infection'/exp OR infection

#28 'sepsis'/exp OR sepsis

#29 infection$

#30 'early-onset' NEXT/1 sepsis

#31 'late-onset' NEXT/1 sepsis

#32 'escherichia coli'/exp OR 'escherichia coli'

#33 'group B streptococcus'/exp OR 'group B streptococcus'

#34 pathogen$

#35 distribution

#36 pattern$

#37 profile$

#38 'bacterial type'

#39 'antibiotic resistan\*'

#40 'antibiotic sensitivity'

#41 #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40

#42 virus/exp virus:ab,ti

#43 'human immunodeficiency virus'/exp OR 'hiv'/exp OR hiv:ab,ti

#44 'hepatitis b virus'/exp OR 'hbv'/exp OR hbv:ab,ti

#45 'epstein barr virus'/de OR 'ebv'/de OR ebv:ab,ti

#46 'cytomegalovirus'/exp OR cmv:ab,ti

#47 'rabies'/de OR rabies:ab,ti

#48 respiratory:ab,ti

#49 'rheumatism'/exp OR rheumatism:ab,ti

#50 'syphilis'/exp OR syphilis:ab,ti

#51 #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50

#52 #5 AND #21 AND #26 AND #41

#53 #52 NOT #51

#54 #53 AND ([article]/lim OR [article in press]/lim)

#55 #54 AND [1996-2018]/py

#56 #55 AND [english]/lim

#57 #56 NOT ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim)

Database: PubMed <1996 to 2018>

Search Strategy:

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#1 newborn, infant[MeSH Terms]

#2 newborn$[Text Word]

#3 infant$[Text Word]

#4 neonat\*[Text Word]

#5 #1 OR #2 OR #3 OR #4

#6 ampicillin[MeSH Terms]

#7 ampicillin[Text Word]

#8 penicillin[MeSH Terms]

#9 penicillin[Text Word]

#10 antibiotic$[Text Word]

#11 #6 OR #7 OR #8 OR #9 OR #10

#12 perinatal\*[Text Word]

#13 antenatal\*[Text Word]

#14 maternal\*[Text Word]

#15 intrapartum\*[Text Word]

#16 #12 OR #13 OR #14 OR #15

#17 #11 AND #16

#18 antibiotic prophylaxis[MeSH Major Topic]

#19 antibiotic prophylaxis[Text Word]

#20 intrapartum antibiotics prophylaxis[Text Word]

#21 intrapartum\*[Text Word]

#22 intrapartum prophylaxis policy[Text Word]

#23 maternal antibiotic exposure[Text Word]

#24 prophylaxis[Text Word]

#25 #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24

#26 risk-based[Text Word]

#27 risk[Text Word]

#28 screening-based[Text Word]

#29 screening[Text Word]

#30 culture-based[Text Word]

#31 protocol[Text Word]

#32 #26 OR #27 OR #28 OR #29 OR #30 OR #31

#33 infection[MeSH Terms]

#34 infection$[Text Word]

#35 sepsis[MeSH Terms]

#36 sepsis[Text Word]

#37 early-onset neonatal sepsis[Text Word]

#38 late-onset neonatal sepsis[Text Word]

#39 early-onset sepsis[MeSH Terms]

#40 late-onset sepsis[MeSH Terms]

#41 escherichia coli[MeSH Terms]

#42 escherichia coli[Text Word]

#43 group B streptococcus[MeSH Terms]

#44 group B streptococcus[Text Word]

#45 pathogen$[Text Word]

#46 distribution[Text Word]

#47 pattern$[Text Word]

#48 profile$[Text Word]

#49 bacterial type[Text Word]

#50 antibiotic resistan\*[Text Word]

#51 antibiotic sensitivity[Text Word]

#52 #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51

#53 #5 AND #25 AND #32 AND #52

#54 virus[MeSH Terms] OR virus[Title/Abstract]

#55 human immunodeficiency virus[MeSH Terms]OR hiv[Title/Abstract]

#56 hepatitis b virus[MeSH Terms] OR hbv[Title/Abstract]

#57 epstein barr virus[MeSH Terms] OR ebv[Title/Abstract]

#58 cytomegalovirus[MeSH Terms] OR cmv[Title/Abstract]

#59 rabies[MeSH Terms] OR rabies[Title/Abstract]

#60 respiratory[Title/Abstract]

#61 rheumatism[MeSH Terms]OR rheumatism[Title/Abstract]

#62 syphilis[MeSH Terms]OR syphilis[Title/Abstract]

#63 #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62

#64 #53 NOT #63

#65 #64 AND Journal Article[ptyp]

#66 #65 NOT systematic[sb]

#67 #66 AND "1996/01/01"[PDat] : "2018/12/31"[PDat]

#68 #67 AND English[lang]

Database: Web of Science <1996 to 2018>

Search Strategy:

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#1 TS=(newborn$ OR infant$ OR neonat\*)

#2 TS=(ampicillin OR penicillin OR antibiotic$)

#3 TS=(perinatal\* OR antenatal\* OR maternal\* OR intrapartum\*)

#4 #2 AND #3

#5 TS=(antibiotic prophylaxis OR intrapartum antibiotics prophylaxis OR intrapartum prophylaxis policy OR maternal antibiotic exposure OR prophylaxis)

#6 #4 OR #5

#7 TS=(risk-based OR screening-based OR screening OR culture-based OR protocol)

#8 TS=(infection$ OR sepsis OR early-onset neonatal sepsis OR late-onset neonatal sepsis OR early-onset sepsis OR late-onset sepsis OR escherichia coli OR group B streptococcus OR pathogen$ OR distribution OR pattern$ OR profile$ OR bacterial type OR antibiotic resistan\* OR antibiotic sensitivity)

#9 #1 AND #6 AND #7 AND #8

#10 TS=(virus OR human immunodeficiency virus OR hepatitis b virus OR epstein arr virus OR cytomegalovirus OR rabies OR rheumatism OR syphilis)

#11 TI=(virus OR hiv OR hbv OR ebv OR syphilis OR rheumatism OR respiratory R cmv OR rabies)

#12 #10 OR #11

#13 #9 NOT #12

#14 English

#15 Article

#16 PY=(1996-2018)

Database: CENTRAL <1996 to 2018>

Search Strategy:

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#1 MeSH descriptor: [Infant, Newborn] explode all trees

#2 MeSH descriptor: [Ampicillin] explode all trees

#3 ampicillin

#4 MeSH descriptor: [Penicillins] explode all trees

#5 penicillin

#6 antibiotic

#7 #2 or #3 or #4 or #5 or #6

#8 perinatal

#9 antenatal

#10 maternal

#11 intrapartum

#12 #8 or #9 or #10 or #11

#13 #7 and #12

#14 antibiotic prophylaxis

#15 MeSH descriptor: [Antibiotic Prophylaxis] explode all trees

#16 intrapartum antibiotics prophylaxis

#17 intrapartum prophylaxis policy

#18 maternal antibiotic exposure

#19 prophylaxis

#20 #13 or #14 or #15 or #16 or #17 or #18 or #19

#21 risk-based

#22 risk

#23 screening-based

#24 screening

#25 culture-based

#26 protocol

#27 #21 or #22 or #23 or #24 or #25 or #26

#28 MeSH descriptor: [Infection] explode all trees

#29 infection

#30 MeSH descriptor: [Sepsis] explode all trees

#31 sepsis

#32 early-onset neonatal sepsis

#33 late-onset neonatal sepsis

#34 MeSH descriptor: [Neonatal Sepsis] explode all trees

#35 MeSH descriptor: [Neonatal Sepsis] explode all trees

#36 MeSH descriptor: [Escherichia coli] explode all trees

#37 escherichia coli

#38 group B streptococcus

#39 pathogen

#40 distribution

#41 pattern

#42 profile

#43 bacterial type

#44 antibiotic resistant

#45 antibiotic resistance

#46 antibiotic sensitivity

#47 #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46

#48 #1 and #20 and #27 and #47

#49 MeSH descriptor: [Viruses] explode all trees

#50 (virus):ti,ab,kw

#51 MeSH descriptor: [HIV] explode all trees

#52 (HIV):ti,ab,kw

#53 MeSH descriptor: [Hepatitis B virus] explode all trees

#54 (HBV):ti,ab,kw

#55 MeSH descriptor: [Herpesvirus 4, Human] explode all trees

#56 (EBV):ti,ab,kw

#57 MeSH descriptor: [Cytomegalovirus] explode all trees

#58 (CMV):ti,ab,kw

#59 MeSH descriptor: [Rabies] explode all trees

#60 (rabies):ti,ab,kw

#61 (respiratory):ti,ab,kw

#62 MeSH descriptor: [Rheumatic Diseases] explode all trees

#63 (rheumatism):ti,ab,kw

#64 MeSH descriptor: [Syphilis] explode all trees

#65 (syphilis):ti,ab,kw

#66 #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65

#67 #48 not #66 with Publication Year from 1996 to 2018