# **Supplementary:**

# Data indicators report

**Hospital name: Hypothetical Hospital** 

**Country name: Hypothetical Country** 

Data from:

02 Jan 2016 to 10 Jan 2017

This is a detailed report for records with data indicators. This report, together with the full list in Excel format, is for users to check and validate records with notifiable bacteria, notifiable antibiotic-pathogen combinations, infrequent phenotypes or potential errors in the AST results at the local level. The identifiers listed include hospital number and specimen collection date. Users should not share or transfer this Supplementary data indictors report (in PDF and Excel formats) to any party outside of the hospital without data security management and confidential agreement.

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#### **Summary result**

The tables are counts of records of blood samples that violated the data validation indicators stratified by the level of priority as indicated in the list\_of\_indicators.xlsx.

In brief, the microbiology data is de-duplicated by including only the first isolate per unique specimen number per specimen type per organism identified per evaluation period.

The microbiology\_data file had:

Sample collection dates ranged from 02 Jan 2016 to 10 Jan 2017

Number of records of all specimen types collected within the above date range:

#### 50404 records

Number of records of all specimen types with culture positive for a microorganism:

#### 6386 records

Number of records of blood specimens collected within the above date range:

#### **15878 records**

Number of records of blood specimens with culture positive for a microorganism:

#### 2563 records

Number of records of blood specimens with no growth for a microorganism:

#### 13315 records

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Organisms	Proportion of blood samples (n)
Arcanobacterium spp.	0% (0/15878)
Arthrobacter spp.	0% (0/15878)
Bacillus spp. except Bacillus anthracis	0% (0/15878)
Brevibacillus spp.	0% (0/15878)
Brevibacterium spp.	0% (0/15878)
Cellulomonas spp.	0% (0/15878)
Cellulosimicrobium spp.	0% (0/15878)
Corynebacterium spp. except Corynebacterium diphtheriae, Corynebacterium jeikeium, Corynebacterium pseudotuberculosis, Corynebacterium striatum, Corynebacterium ulcerans, and Corynebacterium urealyticum	0% (0/15878)
Cutibacterium spp.	0% (0/15878)
Dermabacter spp.	0% (0/15878)
Dermacoccus spp.	0% (0/15878)
Diphtheroids spp.	0% (0/15878)
Exiguobacterium spp.	0% (0/15878)
Geobacillus spp.	0% (0/15878)
Helcobacillus spp.	0% (0/15878)
Janibacter spp.	0% (0/15878)
Knoellia spp.	0% (0/15878)
Kocuria spp.	0% (0/15878)
Kytococcus spp.	0% (0/15878)
Leifsonia spp.	0% (0/15878)
Microbacterium spp.	0% (0/15878)
Micrococcus spp.	0% (0/15878)
Nesterenkonia spp.	0% (0/15878)
Paenibacillus spp.	0% (0/15878)
Propionibacterium spp.	0% (0/15878)
Pseudoclavibacter spp.	0% (0/15878)
Staphylococcus spp. except Staphylococcus aureus, and Staphylococcus lugdunensis	5% (742/15878)
Trueperella spp.	0% (0/15878)
Virgibacillus spp.	0% (0/15878)
Viridans group streptococci include Streptococcus anginosus, Streptococcus bovis, Streptococcus constellatus, Streptococcus gallolyticus, Streptococcus gordonii, Streptococcus intermedius, Streptococcus mitis, Streptococcus mutans, Streptococcus oralis, Streptococcus salivarius, Streptococcus sanguinis, and Streptococcus vestibularis	0% (0/15878)

Blood culture contamination rate is defined as the number of raw contaminated cultures per number of blood cultures received by the laboratory per reporting period. Blood culture contamination rate will not be estimated in case that the data of negative culture (specified as 'no growth' in the dictionary\_for\_microbiology\_data file) is not available. Details of the criteria are available in "list\_of\_indicators.xlsx" in the folder "Configuration".

#### Table 1 (continue): Summary of potential contaminants

Organisms	Proportion of blood samples (n)
Other contaminants	0% (0/15878)

Blood culture contamination rate is defined as the number of raw contaminated cultures per number of blood cultures received by the laboratory per reporting period. Blood culture contamination rate will not be estimated in case that the data of negative culture (specified as 'no growth' in the dictionary\_for\_microbiology\_data file) is not available. Details of the criteria are available in "list\_of\_indicators.xlsx" in the folder "Configuration".

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Table 2: Summary of notifiable antibiotic-pathogen combinations

Organisms	Antimicrobial-susceptible profile	Proportion of blood samples (n)
Acinetobacter baumannii	Carbapenems-NS	6% (60/1017)
Pseudomonas aeruginosa	Carbapenems-NS	0.6% (6/1017)
Enterobacteriaceae	Carbapenems-NS	0.8% (8/1017)
Enterobacteriaceae	3GC-NS	21% (209/1017)
Enterobacteriaceae	Carbapenem-S and 3GC-NS	19% (195/1017)
Enterococcus faecium	Vancomycin-NS	0% (0/1017)
Staphylococcus aureus	Vancomycin-NS	0% (0/1017)
Staphylococcus aureus	Methicillin-NS	2% (19/1017)
Helicobacter pylori	Clarithromycin-NS	0% (0/1017)
Campylobacter spp.	Fluoroquinolones-NS	0% (0/1017)
Salmonella spp.	Fluoroquinolones-NS	2% (20/1017)
Neisseria gonorrhoeae	3GC-NS	0% (0/1017)
Neisseria gonorrhoeae	Fluoroquinolones-NS	0% (0/1017)
Neisseria gonorrhoeae	Fluoroquinolones-NS and 3GC-S	0% (0/1017)

Notifiable antibiotic-pathogen combinations and their classifications are defined as WHO list of AMR priority pathogen published in 2017 [1]. The proportion represents the number of patients with blood culture positive for non-susceptible isolates (numerator) over the total number of patient with blood culture positive and AST result available in the raw microbiology data (denominator). Details of the criteria are available in "list\_of\_indicators.xlsx" in the folder "Configuration". NS=Non-susceptible; 3GC-NS=3rd-generation cephalosporin; Carbapenems-NS: imipenem, meropenem, ertapenem or doripenem; Fluoroquinolones-NS: ciprofloxacin or levofloxacin; Methicillin: methicillin, oxacillin, or cefoxitin

<sup>[1]</sup> World Health Organization. Global priority list of antibiotic-resistant bacteria to guide research discover, and development of new antibiotics. 2017.

https://www.who.int/medicines/publications/WHO-PPL-Short\_Summary\_25Feb-ET\_NM\_WHO.pdf. accessed 7th December 2021.

Table 3: Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Achromobacter xylosoxidans	Amoxicillin	0% (0/1017)
Achromobacter xylosoxidans	Ampicillin	0% (0/1017)
Achromobacter xylosoxidans	Aztreonam	0% (0/1017)
Achromobacter xylosoxidans	Ceftriaxone	0% (0/1017)
Achromobacter xylosoxidans	Doxycycline	0% (0/1017)
Achromobacter xylosoxidans	Ertapenem	0% (0/1017)
Achromobacter xylosoxidans	Fosfomycin	0% (0/1017)
Achromobacter xylosoxidans	Tetracycline	0% (0/1017)
Achromobacter xylosoxidans	Trimethoprim	0% (0/1017)
Acinetobacter baumannii	Amoxicillin and clavulanic acid	0% (0/1017)
Acinetobacter baumannii	Amoxicillin	0% (0/1017)
Acinetobacter baumannii	Ampicillin	0% (0/1017)
Acinetobacter baumannii	Aztreonam	0% (0/1017)
Acinetobacter baumannii	Ceftriaxone	0% (0/1017)
Acinetobacter baumannii	Doxycycline	0% (0/1017)
Acinetobacter baumannii	Ertapenem	0% (0/1017)
Acinetobacter baumannii	Fosfomycin	0% (0/1017)
Acinetobacter baumannii	Tetracycline	0% (0/1017)
Acinetobacter baumannii	Trimethoprim	0% (0/1017)
Acinetobacter nosocomialis	Ceftriaxone	0% (0/1017)
Acinetobacter nosocomialis	Amoxicillin	0% (0/1017)
Acinetobacter nosocomialis	Amoxicillin and clavulanic acid	0% (0/1017)
Acinetobacter nosocomialis	Ampicillin	0% (0/1017)
Acinetobacter nosocomialis	Aztreonam	0% (0/1017)
Acinetobacter nosocomialis	Doxycycline	0% (0/1017)
Acinetobacter nosocomialis	Ertapenem	0% (0/1017)
Acinetobacter nosocomialis	Fosfomycin	0% (0/1017)
Acinetobacter nosocomialis	Tetracycline	0% (0/1017)
Acinetobacter nosocomialis	Trimethoprim	0% (0/1017)
Acinetobacter pittii	Ceftriaxone	0% (0/1017)

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Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Acinetobacter pittii	Amoxicillin	0% (0/1017)
Acinetobacter pittii	Amoxicillin and clavulanic acid	0% (0/1017)
Acinetobacter pittii	Ampicillin	0% (0/1017)
Acinetobacter pittii	Aztreonam	0% (0/1017)
Acinetobacter pittii	Doxycycline	0% (0/1017)
Acinetobacter pittii	Ertapenem	0% (0/1017)
Acinetobacter pittii	Fosfomycin	0% (0/1017)
Acinetobacter pittii	Tetracycline	0% (0/1017)
Acinetobacter pittii	Trimethoprim	0% (0/1017)
Aeromonas caviae	Amoxicillin	0% (0/1017)
Aeromonas caviae	Ampicillin	0% (0/1017)
Aeromonas caviae	Ampicillin and sulbactam	0% (0/1017)
Aeromonas dhakensis	Amoxicillin	0% (0/1017)
Aeromonas dhakensis	Ampicillin	0% (0/1017)
Aeromonas dhakensis	Ampicillin and sulbactam	0% (0/1017)
Aeromonas dhakensis	Cefoxitin	0% (0/1017)
Aeromonas hydrophila	Amoxicillin	0% (0/1017)
Aeromonas hydrophila	Ampicillin	0% (0/1017)
Aeromonas hydrophila	Ampicillin and sulbactam	0% (0/1017)
Aeromonas veronii	Amoxicillin	0% (0/1017)
Aeromonas veronii	Ampicillin	0% (0/1017)
Aeromonas veronii	Ampicillin and sulbactam	0% (0/1017)
Aeromonas veronii	Ticarcillin	0% (0/1017)
Burkholderia cepacia complex	Ampicillin	0% (0/1017)
Burkholderia cepacia complex	Aminoglycosides	0% (0/1017)
Burkholderia cepacia complex	Amoxicillin	0% (0/1017)
Burkholderia cepacia complex	Amoxicillin and clavulanic acid	0% (0/1017)
Burkholderia cepacia complex	Ampicillin and sulbactam	0% (0/1017)
Burkholderia cepacia complex	Aztreonam	0% (0/1017)
Burkholderia cepacia complex	Ceftriaxone	0% (0/1017)

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Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Burkholderia cepacia complex	Chloramphenicol	0% (0/1017)
Burkholderia cepacia complex	Ciprofloxacin	0% (0/1017)
Burkholderia cepacia complex	Colistin	0% (0/1017)
Burkholderia cepacia complex	Ertapenem	0% (0/1017)
Burkholderia cepacia complex	Fosfomycin	0% (0/1017)
Burkholderia cepacia complex	Piperacillin	0% (0/1017)
Burkholderia cepacia complex	Piperacillin and tazobactam	0% (0/1017)
Burkholderia cepacia complex	Ticarcillin	0% (0/1017)
Burkholderia cepacia complex	Ticarcillin and clavulanic acid	0% (0/1017)
Burkholderia cepacia complex	Trimethoprim	0% (0/1017)
Citrobacter amalonaticus	Amoxicillin	0% (0/1017)
Citrobacter amalonaticus	Ampicillin	0% (0/1017)
Citrobacter freundii	Amoxicillin and clavulanic acid	0% (0/1017)
Citrobacter freundii	Amoxicillin	0% (0/1017)
Citrobacter freundii	Ampicillin	0% (0/1017)
Citrobacter freundii	Ampicillin and sulbactam	0% (0/1017)
Citrobacter freundii	Cefadroxil	0% (0/1017)
Citrobacter freundii	Cefalexin	0% (0/1017)
Citrobacter freundii	Cefazolin	0% (0/1017)
Citrobacter freundii	Cefoxitin	0% (0/1017)
Citrobacter freundii	Cephalothin	0% (0/1017)
Citrobacter koseri	Amoxicillin	0% (0/1017)
Citrobacter koseri	Ampicillin	0% (0/1017)
Elizabethkingia anophelis	Ampicillin	0% (0/1017)
Elizabethkingia anophelis	Amoxicillin	0% (0/1017)
Elizabethkingia anophelis	Amoxicillin and clavulanic acid	0% (0/1017)
Elizabethkingia anophelis	Ampicillin and sulbactam	0% (0/1017)
Elizabethkingia anophelis	Aztreonam	0% (0/1017)
Elizabethkingia anophelis	Cefepime	0% (0/1017)
Elizabethkingia anophelis	Ceftazidime	0% (0/1017)

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Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Elizabethkingia anophelis	Ceftriaxone	0% (0/1017)
Elizabethkingia anophelis	Ertapenem	0% (0/1017)
Elizabethkingia anophelis	Imipenem	0% (0/1017)
Elizabethkingia anophelis	Meropenem	0% (0/1017)
Elizabethkingia anophelis	Ticarcillin	0% (0/1017)
Elizabethkingia anophelis	Ticarcillin and clavulanic acid	0% (0/1017)
Elizabethkingia meningoseptica	Ampicillin	0% (0/1017)
Elizabethkingia meningoseptica	Amoxicillin	0% (0/1017)
Elizabethkingia meningoseptica	Amoxicillin and clavulanic acid	0% (0/1017)
Elizabethkingia meningoseptica	Ampicillin and sulbactam	0% (0/1017)
Elizabethkingia meningoseptica	Aztreonam	0% (0/1017)
Elizabethkingia meningoseptica	Cefepime	0% (0/1017)
Elizabethkingia meningoseptica	Ceftazidime	0% (0/1017)
Elizabethkingia meningoseptica	Ceftriaxone	0% (0/1017)
Elizabethkingia meningoseptica	Colistin	0% (0/1017)
Elizabethkingia meningoseptica	Ertapenem	0% (0/1017)
Elizabethkingia meningoseptica	Imipenem	0% (0/1017)
Elizabethkingia meningoseptica	Meropenem	0% (0/1017)
Elizabethkingia meningoseptica	Ticarcillin	0% (0/1017)
Elizabethkingia meningoseptica	Ticarcillin and clavulanic acid	0% (0/1017)
Enterobacter cloacae complex	Amoxicillin	0% (0/1017)
Enterobacter cloacae complex	Amoxicillin and clavulanic acid	0% (0/1017)
Enterobacter cloacae complex	Ampicillin	0% (0/1017)
Enterobacter cloacae complex	Ampicillin and sulbactam	0% (0/1017)
Enterobacter cloacae complex	Cefadroxil	0% (0/1017)
Enterobacter cloacae complex	Cefalexin	0% (0/1017)
Enterobacter cloacae complex	Cefazolin	0% (0/1017)
Enterobacter cloacae complex	Cefoxitin	0% (0/1017)
Enterobacter cloacae complex	Cephalothin	0% (0/1017)
Enterococcus casseliflavus	Vancomycin	0% (0/1017)

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Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Enterococcus faecalis	Ceftazidime	0% (0/1017)
Enterococcus faecalis	Aminoglycosides	0% (0/1017)
Enterococcus faecalis	Ceftazidime	0% (0/1017)
Enterococcus faecalis	3GC	0% (0/1017)
Enterococcus faecalis	Clindamycin	0% (0/1017)
Enterococcus faecalis	Fusidic acid	0% (0/1017)
Enterococcus faecium	Macrolides	0% (0/1017)
Enterococcus faecium	Dalfopristin and quinupristin	0% (0/1017)
Enterococcus faecium	Sulfonamides	0% (0/1017)
Enterococcus gallinarum	Vancomycin	0% (0/1017)
Escherichia hermannii	Ampicillin	0% (0/1017)
Escherichia hermannii	Ticarcillin	0% (0/1017)
Hafnia alvei	Amoxicillin	0% (0/1017)
Hafnia alvei	Amoxicillin and clavulanic acid	0% (0/1017)
Hafnia alvei	Ampicillin	0% (0/1017)
Hafnia alvei	Colistin	0% (0/1017)
Klebsiella aerogenes	Amoxicillin	0% (0/1017)
Klebsiella aerogenes	Amoxicillin and clavulanic acid	0% (0/1017)
Klebsiella aerogenes	Ampicillin	0% (0/1017)
Klebsiella aerogenes	Ampicillin and sulbactam	0% (0/1017)
Klebsiella aerogenes	Cefadroxil	0% (0/1017)
Klebsiella aerogenes	Cefalexin	0% (0/1017)
Klebsiella aerogenes	Cefazolin	0% (0/1017)
Klebsiella aerogenes	Cefoxitin	0% (0/1017)
Klebsiella aerogenes	Cephalothin	0% (0/1017)
Klebsiella oxytoca	Amoxicillin	0% (0/1017)
Klebsiella oxytoca	Ampicillin	0% (0/1017)
Klebsiella pneumoniae	Amoxicillin	0% (0/1017)
Klebsiella pneumoniae	Ampicillin	0% (0/1017)
Klebsiella variicola	Amoxicillin	0% (0/1017)

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Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Klebsiella variicola	Ampicillin	0% (0/1017)
Leclercia adecarboxylata	Fosfomycin	0% (0/1017)
Morganella morganii	Amoxicillin	0% (0/1017)
Morganella morganii	Amoxicillin and clavulanic acid	0% (0/1017)
Morganella morganii	Ampicillin	0% (0/1017)
Morganella morganii	Cefadroxil	0% (0/1017)
Morganella morganii	Cefalexin	0% (0/1017)
Morganella morganii	Cefazolin	0% (0/1017)
Morganella morganii	Cephalothin	0% (0/1017)
Morganella morganii	Colistin	0% (0/1017)
Morganella morganii	Nitrofurantoin	0% (0/1017)
Morganella morganii	Tetracyclines	0% (0/1017)
Ochrobactrum anthropi	Ampicillin	0% (0/1017)
Ochrobactrum anthropi	Amoxicillin	0% (0/1017)
Ochrobactrum anthropi	Amoxicillin and clavulanic acid	0% (0/1017)
Ochrobactrum anthropi	Ampicillin and sulbactam	0% (0/1017)
Ochrobactrum anthropi	Aztreonam	0% (0/1017)
Ochrobactrum anthropi	Cefepime	0% (0/1017)
Ochrobactrum anthropi	Ceftazidime	0% (0/1017)
Ochrobactrum anthropi	Ceftriaxone	0% (0/1017)
Ochrobactrum anthropi	Ertapenem	0% (0/1017)
Ochrobactrum anthropi	Piperacillin	0% (0/1017)
Ochrobactrum anthropi	Piperacillin and tazobactam	0% (0/1017)
Ochrobactrum anthropi	Ticarcillin	0% (0/1017)
Ochrobactrum anthropi	Ticarcillin and clavulanic acid	0% (0/1017)
Proteus mirabilis	Colistin	0% (0/1017)
Proteus mirabilis	Nitrofurantoin	0% (0/1017)
Proteus mirabilis	Tetracyclines	0% (0/1017)
Proteus mirabilis	Tigecycline	0% (0/1017)
Proteus penneri	Amoxicillin	0% (0/1017)

Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Proteus penneri	Ampicillin	0% (0/1017)
Proteus penneri	Cefadroxil	0% (0/1017)
Proteus penneri	Cefalexin	0% (0/1017)
Proteus penneri	Cefazolin	0% (0/1017)
Proteus penneri	Cefuroxime	0% (0/1017)
Proteus penneri	Cephalothin	0% (0/1017)
Proteus penneri	Colistin	0% (0/1017)
Proteus penneri	Nitrofurantoin	0% (0/1017)
Proteus penneri	Tetracyclines	0% (0/1017)
Proteus penneri	Tigecycline	0% (0/1017)
Proteus rettgeri	Amoxicillin	0% (0/1017)
Proteus rettgeri	Amoxicillin and clavulanic acid	0% (0/1017)
Proteus rettgeri	Ampicillin	0% (0/1017)
Proteus rettgeri	Ampicillin and sulbactam	0% (0/1017)
Proteus rettgeri	Cefadroxil	0% (0/1017)
Proteus rettgeri	Cefalexin	0% (0/1017)
Proteus rettgeri	Cefazolin	0% (0/1017)
Proteus rettgeri	Cephalothin	0% (0/1017)
Proteus rettgeri	Colistin	0% (0/1017)
Proteus rettgeri	Nitrofurantoin	0% (0/1017)
Proteus rettgeri	Tetracyclines	0% (0/1017)
Proteus stuartii	Amoxicillin and clavulanic acid	0% (0/1017)
Proteus stuartii	Amoxicillin	0% (0/1017)
Proteus stuartii	Ampicillin	0% (0/1017)
Proteus stuartii	Ampicillin and sulbactam	0% (0/1017)
Proteus stuartii	Cefadroxil	0% (0/1017)
Proteus stuartii	Cefalexin	0% (0/1017)
Proteus stuartii	Cefazolin	0% (0/1017)
Proteus stuartii	Cephalothin	0% (0/1017)
Proteus stuartii	Colistin	0% (0/1017)

Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Proteus stuartii	Gentamicin	0% (0/1017)
Proteus stuartii	Nitrofurantoin	0% (0/1017)
Proteus stuartii	Tetracyclines	0% (0/1017)
Proteus vulgaris	Ampicillin	0% (0/1017)
Proteus vulgaris	Amoxicillin	0% (0/1017)
Proteus vulgaris	Cefadroxil	0% (0/1017)
Proteus vulgaris	Cefalexin	0% (0/1017)
Proteus vulgaris	Cefazolin	0% (0/1017)
Proteus vulgaris	Cefuroxime	0% (0/1017)
Proteus vulgaris	Cephalothin	0% (0/1017)
Proteus vulgaris	Colistin	0% (0/1017)
Proteus vulgaris	Nitrofurantoin	0% (0/1017)
Proteus vulgaris	Tetracyclines	0% (0/1017)
Proteus vulgaris	Tigecycline	0% (0/1017)
Pseudomonas aeruginosa	Ampicillin	0% (0/1017)
Pseudomonas aeruginosa	Amoxicillin	0% (0/1017)
Pseudomonas aeruginosa	Amoxicillin and clavulanic acid	0% (0/1017)
Pseudomonas aeruginosa	Ampicillin and sulbactam	0% (0/1017)
Pseudomonas aeruginosa	Ceftriaxone	0% (0/1017)
Pseudomonas aeruginosa	Chloramphenicol	0% (0/1017)
Pseudomonas aeruginosa	Ertapenem	0% (0/1017)
Pseudomonas aeruginosa	Kanamycin	0% (0/1017)
Pseudomonas aeruginosa	Neomycin	0% (0/1017)
Pseudomonas aeruginosa	Tigecycline	0% (0/1017)
Pseudomonas aeruginosa	Trimethoprim	0% (0/1017)
Raoultella spp.	Amoxicillin	0% (0/1017)
Raoultella spp.	Ampicillin	0% (0/1017)
Raoultella spp.	Ticarcillin	0% (0/1017)
Serratia marcescens	Amoxicillin and clavulanic acid	0% (0/1017)
Serratia marcescens	Amoxicillin	0% (0/1017)

Table 3 (continue): Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the organisms are intrinsically resistant to an antibiotic but are reported as susceptible

Organisms	Antibiotic that intrinsically resistant but reported as susceptible	Proportion of blood samples (n)
Serratia marcescens	Ampicillin	0% (0/1017)
Serratia marcescens	Ampicillin and sulbactam	0% (0/1017)
Serratia marcescens	Cefadroxil	0% (0/1017)
Serratia marcescens	Cefalexin	0% (0/1017)
Serratia marcescens	Cefazolin	0% (0/1017)
Serratia marcescens	Cefoxitin	0% (0/1017)
Serratia marcescens	Cefuroxime	0% (0/1017)
Serratia marcescens	Cephalothin	0% (0/1017)
Serratia marcescens	Colistin	0% (0/1017)
Serratia marcescens	Nitrofurantoin	0% (0/1017)
Serratia marcescens	Tetracyclines	0% (0/1017)
Yersinia enterocolitica	Amoxicillin	0% (0/1017)
Yersinia enterocolitica	Amoxicillin and clavulanic acid	0% (0/1017)
Yersinia enterocolitica	Ampicillin	0% (0/1017)
Yersinia enterocolitica	Ampicillin and sulbactam	0% (0/1017)
Yersinia enterocolitica	Cefadroxil	0% (0/1017)
Yersinia enterocolitica	Cefalexin	0% (0/1017)
Yersinia enterocolitica	Cefazolin	0% (0/1017)
Yersinia enterocolitica	Cefoxitin	0% (0/1017)
Yersinia enterocolitica	Cephalothin	0% (0/1017)
Yersinia enterocolitica	Ticarcillin	0% (0/1017)
Yersinia pseudotuberculosis	Colistin	0% (0/1017)

Table 4: Summary of infrequent phenotypes or potential errors in AST results based on the indicators that the isolates exhibit discordant AST results

Organisms	Antibiotic class that the isolates exhibit discordant AST results	Proportion of blood samples (n)
All	Penicillins, Betalactam combinations*	0% (0/1017)
All	Penicillins**	0% (0/1017)
All	Quinolones, Fluoroquinolones***	0% (0/1017)
Enterobacteriaceae	Aminoglycosides****	10% (100/1017)
Enterobacteriaceae	Cephems****	0% (0/1017)
Pseudomonas aeruginosa	Aminoglycosides****	0% (0/1017)

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<sup>\*</sup>The numerator counts the number of isolates that exhibit discordant AST results between penicillin and beta-lactam combinations. For example, an isolate which is reported as susceptible to amoxicillin but non-susceptible to amoxicillin/clavulanic acid.

<sup>\*\*</sup>The numerator counts the number of isolates that exhibit discordant AST results in penicillin antibiotics. For example, an isolate which is reported as is susceptible to ampicillin/sulbactam but non-susceptible to piperacillin/tazobactam OR ticarcillin/clavulanic acid.

<sup>\*\*\*</sup>The numerator counts the number of isolates that exhibit discordant AST results between quinolone and fluoroquinolone. For example, an isolate which is reported as susceptible to nalidixic acid but non-susceptible to fluoroquinolones.

<sup>\*\*\*\*</sup>The numerator counts the number of Enterobacteriaceae or *P. aeruginosa* isolates that exhibit discordant AST in aminoglycosides. For example, an Enterobacteriaceae isolate which is reported as non-susceptible to amikacin but susceptible to gentamicin, netilmicin, or tobramycin.

<sup>\*\*\*\*\*</sup>The numerator counts the number of Enterobacteriaceae isolates that exhibit discordant AST in cephems. For example, an Enterobacteriaceae isolate which is reported as susceptible to first generation cephalosporin or second-generation cephalosporin, but non-susceptible to third-generation cephalosporin.

Table 5: List of specimens culture positive for notifiable organisms

Hospital number	Specimen collection date	Specimen type	Organisms
347	11aug2016	Stool	Salmonella spp.
347	07jun2016	Stool	Salmonella spp.
347	30nov2016	Stool	Salmonella spp.
348	05oct2016	Stool	Salmonella spp.
348	24jul2016	Stool	Salmonella spp.
348	29sep2016	Blood	Salmonella spp.
349	07sep2016	Stool	Salmonella spp.
349	12aug2016	Stool	Salmonella spp.
349	05sep2016	Blood	Salmonella spp.
350	26nov2016	Stool	Salmonella spp.
350	13oct2016	Stool	Salmonella spp.
350	07jul2016	Blood	Salmonella spp.
351	25jun2016	Stool	Salmonella spp.
351	24jan2016	Blood	Salmonella spp.
351	12apr2016	Stool	Salmonella spp.
352	04dec2016	Stool	Salmonella spp.
352	21nov2016	Stool	Salmonella spp.
352	12oct2016	Stool	Salmonella spp.
353	16sep2016	Stool	Salmonella spp.
353	22oct2016	Stool	Salmonella spp.
353	23oct2016	Stool	Salmonella spp.
354	19aug2016	Blood	Salmonella spp.
354	20jan2016	Stool	Salmonella spp.
354	03feb2016	Stool	Salmonella spp.
355	28may2016	Stool	Salmonella spp.
355	09jan2016	Stool	Salmonella spp.
355	13jun2016	Stool	Salmonella spp.
356	17dec2016	Stool	Salmonella spp.
356	17aug2016	Blood	Salmonella spp.
356	09oct2016	Blood	Salmonella spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
357	20jan2016	Stool	Salmonella spp.
357	05mar2016	Blood	Salmonella spp.
357	15jun2016	Stool	Salmonella spp.
358	25jul2016	Stool	Salmonella spp.
358	20feb2016	Stool	Salmonella spp.
358	18feb2016	Stool	Salmonella spp.
359	16nov2016	Stool	Salmonella spp.
359	20jun2016	Stool	Salmonella spp.
359	10jun2016	Blood	Salmonella spp.
360	12jun2016	Stool	Salmonella spp.
360	12jul2016	Stool	Salmonella spp.
360	16oct2016	Stool	Salmonella spp.
361	10oct2016	Blood	Salmonella spp.
361	25feb2016	Blood	Salmonella spp.
361	26feb2016	Blood	Salmonella spp.
362	18mar2016	Stool	Salmonella spp.
362	18jan2016	Stool	Salmonella spp.
362	02may2016	Blood	Salmonella spp.
363	22jul2016	Blood	Salmonella spp.
363	06jun2016	Blood	Salmonella spp.
364	02jan2016	Stool	Salmonella spp.
364	25mar2016	Stool	Salmonella spp.
365	30mar2016	Stool	Salmonella spp.
365	09jan2016	Blood	Salmonella spp.
366	05jan2016	Blood	Salmonella spp.
366	31may2016	Stool	Salmonella spp.
367	02sep2016	Blood	Salmonella spp.
367	23nov2016	Blood	Salmonella spp.
368	08feb2016	Blood	Salmonella spp.
368	28may2016	Stool	Salmonella spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
369	07aug2016	Stool	Salmonella spp.
369	08jan2016	Stool	Salmonella spp.
370	21oct2016	Blood	Salmonella spp.
370	13apr2016	Stool	Salmonella spp.
371	06jun2016	Stool	Salmonella spp.
371	10jul2016	Stool	Salmonella spp.
372	05sep2016	Stool	Salmonella spp.
372	22jul2016	Stool	Salmonella spp.
373	21jul2016	Blood	Salmonella spp.
373	30oct2016	Blood	Salmonella spp.
374	03nov2016	Stool	Salmonella spp.
374	17may2016	Blood	Salmonella spp.
375	13may2016	Stool	Salmonella spp.
375	10jan2016	Blood	Salmonella spp.
376	27mar2016	Stool	Salmonella spp.
376	07feb2016	Stool	Salmonella spp.
377	29dec2016	Stool	Salmonella spp.
377	09jul2016	Blood	Salmonella spp.
378	17dec2016	Stool	Salmonella spp.
378	25oct2016	Blood	Salmonella spp.
379	20mar2016	Stool	Salmonella spp.
379	22dec2016	Blood	Salmonella spp.
380	02feb2016	Stool	Salmonella spp.
380	24jan2016	Stool	Salmonella spp.
381	02aug2016	Stool	Salmonella spp.
381	28aug2016	Stool	Salmonella spp.
382	30apr2016	Stool	Salmonella spp.
382	21apr2016	Stool	Salmonella spp.
383	23dec2016	Stool	Salmonella spp.
383	08jul2016	Stool	Salmonella spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
384	10feb2016	Blood	Salmonella spp.
384	29jul2016	Blood	Salmonella spp.
385	20dec2016	Blood	Salmonella spp.
385	16dec2016	Stool	Salmonella spp.
386	13jul2016	Blood	Salmonella spp.
386	01feb2016	Stool	Salmonella spp.
387	26oct2016	Stool	Salmonella spp.
387	20feb2016	Blood	Salmonella spp.
388	16sep2016	Stool	Salmonella spp.
388	11dec2016	Blood	Salmonella spp.
389	29apr2016	Stool	Salmonella spp.
389	26jan2016	Stool	Salmonella spp.
390	18aug2016	Stool	Salmonella spp.
390	14aug2016	Stool	Salmonella spp.
391	31jul2016	Stool	Salmonella spp.
391	21jan2016	Stool	Salmonella spp.
392	29jun2016	Stool	Salmonella spp.
392	07apr2016	Blood	Salmonella spp.
393	15sep2016	Blood	Salmonella spp.
393	04sep2016	Stool	Salmonella spp.
394	11jan2016	Blood	Salmonella spp.
394	27jun2016	Stool	Salmonella spp.
395	01apr2016	Stool	Salmonella spp.
395	15aug2016	Stool	Salmonella spp.
396	26may2016	Stool	Salmonella spp.
396	08nov2016	Stool	Salmonella spp.
397	21may2016	Stool	Salmonella spp.
397	07aug2016	Stool	Salmonella spp.
398	09feb2016	Blood	Salmonella spp.
398	16may2016	Blood	Salmonella spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
399	08may2016	Stool	Salmonella spp.
399	06apr2016	Stool	Salmonella spp.
400	24oct2016	Blood	Salmonella spp.
400	07jun2016	Stool	Salmonella spp.
401	26nov2016	Stool	Salmonella spp.
401	19dec2016	Stool	Salmonella spp.
402	03mar2016	Stool	Salmonella spp.
402	11sep2016	Stool	Salmonella spp.
403	24sep2016	Stool	Salmonella spp.
403	22sep2016	Stool	Salmonella spp.
404	10apr2016	Blood	Salmonella spp.
404	15aug2016	Stool	Salmonella spp.
405	05oct2016	Blood	Salmonella spp.
405	13dec2016	Stool	Salmonella spp.
406	16apr2016	Blood	Salmonella spp.
406	01jan2017	Stool	Salmonella spp.
1488	13apr2016	RTS	Burkholderia pseudomallei
1488	04jan2016	RTS	Burkholderia pseudomallei
1489	26dec2016	Urine	Burkholderia pseudomallei
1489	30jan2016	Blood	Burkholderia pseudomallei
1490	30sep2016	Urine	Burkholderia pseudomallei
1490	12jul2016	Urine	Burkholderia pseudomallei
1491	05dec2016	Blood	Burkholderia pseudomallei
1491	23feb2016	Urine	Burkholderia pseudomallei
1492	17oct2016	Urine	Burkholderia pseudomallei
1492	03mar2016	RTS	Burkholderia pseudomallei
1493	23jun2016	Urine	Burkholderia pseudomallei
1493	24nov2016	Blood	Burkholderia pseudomallei
1494	10aug2016	Others	Burkholderia pseudomallei
1494	16dec2016	RTS	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1495	14dec2016	RTS	Burkholderia pseudomallei
1495	03apr2016	RTS	Burkholderia pseudomallei
1496	21may2016	Urine	Burkholderia pseudomallei
1496	04jul2016	RTS	Burkholderia pseudomallei
1497	02aug2016	Urine	Burkholderia pseudomallei
1497	05jun2016	Others	Burkholderia pseudomallei
1498	17may2016	RTS	Burkholderia pseudomallei
1498	26sep2016	RTS	Burkholderia pseudomallei
1499	05aug2016	Urine	Burkholderia pseudomallei
1499	30nov2016	Blood	Burkholderia pseudomallei
1500	03dec2016	Urine	Burkholderia pseudomallei
1500	02dec2016	Urine	Burkholderia pseudomallei
1501	31aug2016	CSF	Burkholderia pseudomallei
1501	05jun2016	RTS	Burkholderia pseudomallei
1502	06jan2016	Blood	Burkholderia pseudomallei
1502	10jul2016	Urine	Burkholderia pseudomallei
1503	07sep2016	RTS	Burkholderia pseudomallei
1503	20jun2016	CSF	Burkholderia pseudomallei
1504	01dec2016	Urine	Burkholderia pseudomallei
1504	02may2016	RTS	Burkholderia pseudomallei
1505	29jul2016	Blood	Burkholderia pseudomallei
1505	25jun2016	RTS	Burkholderia pseudomallei
1506	25dec2016	Urine	Burkholderia pseudomallei
1506	24may2016	Urine	Burkholderia pseudomallei
1507	26dec2016	Blood	Burkholderia pseudomallei
1507	19dec2016	Urine	Burkholderia pseudomallei
1508	15dec2016	Urine	Burkholderia pseudomallei
1508	20aug2016	Others	Burkholderia pseudomallei
1509	04may2016	Urine	Burkholderia pseudomallei
1509	16jan2016	Others	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1510	20apr2016	Urine	Burkholderia pseudomallei
1510	05may2016	Urine	Burkholderia pseudomallei
1511	29oct2016	Urine	Burkholderia pseudomallei
1511	19may2016	Urine	Burkholderia pseudomallei
1512	04sep2016	Blood	Burkholderia pseudomallei
1512	06mar2016	Blood	Burkholderia pseudomallei
1513	16jun2016	Urine	Burkholderia pseudomallei
1513	31mar2016	Urine	Burkholderia pseudomallei
1514	10feb2016	Blood	Burkholderia pseudomallei
1514	26sep2016	Urine	Burkholderia pseudomallei
1515	09apr2016	Urine	Burkholderia pseudomallei
1515	04sep2016	Urine	Burkholderia pseudomallei
1516	04dec2016	RTS	Burkholderia pseudomallei
1516	30sep2016	Urine	Burkholderia pseudomallei
1517	24sep2016	Urine	Burkholderia pseudomallei
1517	21jul2016	Blood	Burkholderia pseudomallei
1518	26oct2016	Urine	Burkholderia pseudomallei
1518	16apr2016	RTS	Burkholderia pseudomallei
1519	26dec2016	Blood	Burkholderia pseudomallei
1519	13apr2016	Urine	Burkholderia pseudomallei
1520	04dec2016	Urine	Burkholderia pseudomallei
1520	01aug2016	Urine	Burkholderia pseudomallei
1521	12jun2016	Blood	Burkholderia pseudomallei
1521	06nov2016	RTS	Burkholderia pseudomallei
1522	20dec2016	RTS	Burkholderia pseudomallei
1522	25jun2016	RTS	Burkholderia pseudomallei
1523	06apr2016	Urine	Burkholderia pseudomallei
1523	25jan2016	Urine	Burkholderia pseudomallei
1524	04mar2016	Blood	Burkholderia pseudomallei
1524	07nov2016	Urine	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1525	12sep2016	RTS	Burkholderia pseudomallei
1525	24dec2016	Blood	Burkholderia pseudomallei
1526	25jun2016	Blood	Burkholderia pseudomallei
1526	10dec2016	RTS	Burkholderia pseudomallei
1527	24jan2016	Blood	Burkholderia pseudomallei
1527	04jan2016	Urine	Burkholderia pseudomallei
1528	07aug2016	Others	Burkholderia pseudomallei
1528	15sep2016	Urine	Burkholderia pseudomallei
1529	02jun2016	RTS	Burkholderia pseudomallei
1529	06oct2016	Others	Burkholderia pseudomallei
1530	29oct2016	Urine	Burkholderia pseudomallei
1530	28apr2016	Blood	Burkholderia pseudomallei
1531	25jul2016	Blood	Burkholderia pseudomallei
1531	09jul2016	Urine	Burkholderia pseudomallei
1532	23mar2016	Blood	Burkholderia pseudomallei
1532	06nov2016	Blood	Burkholderia pseudomallei
1533	01nov2016	Blood	Burkholderia pseudomallei
1533	04oct2016	Blood	Burkholderia pseudomallei
1534	11may2016	Urine	Burkholderia pseudomallei
1534	03aug2016	Blood	Burkholderia pseudomallei
1535	30jan2016	Blood	Burkholderia pseudomallei
1535	13mar2016	Genital swab	Burkholderia pseudomallei
1536	30mar2016	Urine	Burkholderia pseudomallei
1536	17oct2016	RTS	Burkholderia pseudomallei
1537	03dec2016	Urine	Burkholderia pseudomallei
1537	17feb2016	RTS	Burkholderia pseudomallei
1538	28apr2016	Blood	Burkholderia pseudomallei
1538	09jan2016	RTS	Burkholderia pseudomallei
1539	16jul2016	Urine	Burkholderia pseudomallei
1539	10aug2016	RTS	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1540	26mar2016	RTS	Burkholderia pseudomallei
1540	07jul2016	Urine	Burkholderia pseudomallei
1541	21feb2016	Urine	Burkholderia pseudomallei
1541	07sep2016	Blood	Burkholderia pseudomallei
1542	03may2016	Blood	Burkholderia pseudomallei
1542	23jun2016	Blood	Burkholderia pseudomallei
1543	29feb2016	RTS	Burkholderia pseudomallei
1543	24jul2016	Blood	Burkholderia pseudomallei
1544	02apr2016	RTS	Burkholderia pseudomallei
1544	13oct2016	Urine	Burkholderia pseudomallei
1545	18jun2016	Blood	Burkholderia pseudomallei
1545	14apr2016	RTS	Burkholderia pseudomallei
1546	04oct2016	Urine	Burkholderia pseudomallei
1546	05may2016	Urine	Burkholderia pseudomallei
1547	13jun2016	Urine	Burkholderia pseudomallei
1547	08mar2016	Urine	Burkholderia pseudomallei
1548	19apr2016	Others	Burkholderia pseudomallei
1548	19aug2016	Urine	Burkholderia pseudomallei
1549	20apr2016	Blood	Burkholderia pseudomallei
1549	30nov2016	RTS	Burkholderia pseudomallei
1550	22mar2016	Blood	Burkholderia pseudomallei
1550	23aug2016	Others	Burkholderia pseudomallei
1551	16oct2016	Blood	Burkholderia pseudomallei
1551	19dec2016	Blood	Burkholderia pseudomallei
1552	11oct2016	Blood	Burkholderia pseudomallei
1552	17sep2016	Urine	Burkholderia pseudomallei
1553	25feb2016	Blood	Burkholderia pseudomallei
1553	04nov2016	Blood	Burkholderia pseudomallei
1554	07mar2016	Urine	Burkholderia pseudomallei
1554	15dec2016	RTS	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1555	15aug2016	Others	Burkholderia pseudomallei
1555	27apr2016	Urine	Burkholderia pseudomallei
1556	14feb2016	Urine	Burkholderia pseudomallei
1556	04mar2016	Urine	Burkholderia pseudomallei
1557	15jun2016	Urine	Burkholderia pseudomallei
1557	11sep2016	Urine	Burkholderia pseudomallei
1558	09jan2016	Blood	Burkholderia pseudomallei
1558	12oct2016	Others	Burkholderia pseudomallei
1559	21may2016	Blood	Burkholderia pseudomallei
1559	25aug2016	Blood	Burkholderia pseudomallei
1560	31dec2016	Urine	Burkholderia pseudomallei
1560	12oct2016	RTS	Burkholderia pseudomallei
1561	04oct2016	Others	Burkholderia pseudomallei
1561	11jan2016	Urine	Burkholderia pseudomallei
1562	01sep2016	RTS	Burkholderia pseudomallei
1562	16nov2016	Blood	Burkholderia pseudomallei
1563	06jul2016	RTS	Burkholderia pseudomallei
1563	20jun2016	RTS	Burkholderia pseudomallei
1564	05feb2016	Urine	Burkholderia pseudomallei
1564	01may2016	Urine	Burkholderia pseudomallei
1565	24mar2016	Urine	Burkholderia pseudomallei
1565	29aug2016	Urine	Burkholderia pseudomallei
1566	20may2016	Blood	Burkholderia pseudomallei
1566	25jan2016	RTS	Burkholderia pseudomallei
1567	21sep2016	RTS	Burkholderia pseudomallei
1567	25may2016	RTS	Burkholderia pseudomallei
1568	18jun2016	Blood	Burkholderia pseudomallei
1568	14jan2016	Blood	Burkholderia pseudomallei
1569	12jul2016	Blood	Burkholderia pseudomallei
1569	16mar2016	Blood	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1570	18jan2016	Urine	Burkholderia pseudomallei
1570	25may2016	Urine	Burkholderia pseudomallei
1571	25jan2016	RTS	Burkholderia pseudomallei
1571	26nov2016	Blood	Burkholderia pseudomallei
1572	31jul2016	Blood	Burkholderia pseudomallei
1572	07jul2016	Urine	Burkholderia pseudomallei
1573	08may2016	Blood	Burkholderia pseudomallei
1573	09jun2016	Others	Burkholderia pseudomallei
1574	05nov2016	Urine	Burkholderia pseudomallei
1574	02may2016	Urine	Burkholderia pseudomallei
1575	22apr2016	RTS	Burkholderia pseudomallei
1575	16jun2016	RTS	Burkholderia pseudomallei
1576	02apr2016	Blood	Burkholderia pseudomallei
1576	20jan2016	Urine	Burkholderia pseudomallei
1577	20jun2016	Urine	Burkholderia pseudomallei
1577	02oct2016	Urine	Burkholderia pseudomallei
1578	28aug2016	Urine	Burkholderia pseudomallei
1578	09apr2016	Blood	Burkholderia pseudomallei
1579	17jul2016	Blood	Burkholderia pseudomallei
1579	15aug2016	Urine	Burkholderia pseudomallei
1580	15jun2016	Others	Burkholderia pseudomallei
1580	16feb2016	Urine	Burkholderia pseudomallei
1581	18jan2016	Blood	Burkholderia pseudomallei
1581	14sep2016	RTS	Burkholderia pseudomallei
1582	21nov2016	RTS	Burkholderia pseudomallei
1582	30jun2016	Others	Burkholderia pseudomallei
1583	25oct2016	Urine	Burkholderia pseudomallei
1583	04jan2016	Urine	Burkholderia pseudomallei
1584	29mar2016	Urine	Burkholderia pseudomallei
1584	20dec2016	Others	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1585	04sep2016	Urine	Burkholderia pseudomallei
1585	05oct2016	Blood	Burkholderia pseudomallei
1586	31oct2016	Blood	Burkholderia pseudomallei
1586	21nov2016	Others	Burkholderia pseudomallei
1587	14sep2016	Blood	Burkholderia pseudomallei
1587	29sep2016	Urine	Burkholderia pseudomallei
1588	30jan2016	Urine	Burkholderia pseudomallei
1588	18aug2016	Urine	Burkholderia pseudomallei
1589	18jan2016	RTS	Burkholderia pseudomallei
1590	08may2016	Blood	Burkholderia pseudomallei
1591	20oct2016	Urine	Burkholderia pseudomallei
1592	07sep2016	Blood	Burkholderia pseudomallei
1593	31may2016	Urine	Burkholderia pseudomallei
1594	10nov2016	Blood	Burkholderia pseudomallei
1595	18dec2016	Urine	Burkholderia pseudomallei
1596	15jun2016	Urine	Burkholderia pseudomallei
1597	26may2016	Urine	Burkholderia pseudomallei
1598	09sep2016	RTS	Burkholderia pseudomallei
1599	17jan2016	Urine	Burkholderia pseudomallei
1600	30apr2016	Urine	Burkholderia pseudomallei
1601	29jul2016	RTS	Burkholderia pseudomallei
1602	11nov2016	Blood	Burkholderia pseudomallei
1603	15feb2016	Urine	Burkholderia pseudomallei
1604	25jul2016	Urine	Burkholderia pseudomallei
1605	02jul2016	RTS	Burkholderia pseudomallei
1606	28may2016	Urine	Burkholderia pseudomallei
1607	15sep2016	Urine	Burkholderia pseudomallei
1608	05jul2016	RTS	Burkholderia pseudomallei
1609	30jan2016	Urine	Burkholderia pseudomallei
1610	18aug2016	Blood	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1611	21dec2016	Blood	Burkholderia pseudomallei
1612	23dec2016	Urine	Burkholderia pseudomallei
1613	23may2016	Blood	Burkholderia pseudomallei
1614	15sep2016	Others	Burkholderia pseudomallei
1615	29mar2016	Urine	Burkholderia pseudomallei
1616	16sep2016	RTS	Burkholderia pseudomallei
1617	13jul2016	Others	Burkholderia pseudomallei
1618	31mar2016	RTS	Burkholderia pseudomallei
1619	16dec2016	RTS	Burkholderia pseudomallei
1620	15feb2016	RTS	Burkholderia pseudomallei
1621	12mar2016	Blood	Burkholderia pseudomallei
1622	28nov2016	RTS	Burkholderia pseudomallei
1623	25mar2016	RTS	Burkholderia pseudomallei
1624	22dec2016	Blood	Burkholderia pseudomallei
1625	05sep2016	RTS	Burkholderia pseudomallei
1626	26feb2016	Urine	Burkholderia pseudomallei
1627	27nov2016	Urine	Burkholderia pseudomallei
1628	13aug2016	RTS	Burkholderia pseudomallei
1629	21sep2016	Blood	Burkholderia pseudomallei
1630	21sep2016	RTS	Burkholderia pseudomallei
1631	08dec2016	Blood	Burkholderia pseudomallei
1632	16dec2016	RTS	Burkholderia pseudomallei
1633	08sep2016	Urine	Burkholderia pseudomallei
1634	24aug2016	Urine	Burkholderia pseudomallei
1635	17feb2016	RTS	Burkholderia pseudomallei
1636	07dec2016	RTS	Burkholderia pseudomallei
1637	16dec2016	RTS	Burkholderia pseudomallei
1638	11feb2016	RTS	Burkholderia pseudomallei
1639	15dec2016	Others	Burkholderia pseudomallei
1640	26apr2016	Urine	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1641	11may2016	Urine	Burkholderia pseudomallei
1642	11may2016	RTS	Burkholderia pseudomallei
1643	08feb2016	Urine	Burkholderia pseudomallei
1644	07jan2016	RTS	Burkholderia pseudomallei
1645	18mar2016	Urine	Burkholderia pseudomallei
1646	31may2016	Urine	Burkholderia pseudomallei
1647	14oct2016	RTS	Burkholderia pseudomallei
1648	21sep2016	Blood	Burkholderia pseudomallei
1649	26apr2016	Blood	Burkholderia pseudomallei
1650	01may2016	Blood	Burkholderia pseudomallei
1651	23apr2016	RTS	Burkholderia pseudomallei
1652	06oct2016	Urine	Burkholderia pseudomallei
1653	05jul2016	Others	Burkholderia pseudomallei
1654	09apr2016	Urine	Burkholderia pseudomallei
1655	17apr2016	RTS	Burkholderia pseudomallei
1656	30jul2016	Urine	Burkholderia pseudomallei
1657	13jul2016	Urine	Burkholderia pseudomallei
1658	30jul2016	Urine	Burkholderia pseudomallei
1659	08jun2016	RTS	Burkholderia pseudomallei
1660	26jul2016	Blood	Burkholderia pseudomallei
1661	07may2016	Blood	Burkholderia pseudomallei
1662	20jun2016	Urine	Burkholderia pseudomallei
1663	25jul2016	Others	Burkholderia pseudomallei
1664	12dec2016	Blood	Burkholderia pseudomallei
1665	07may2016	Blood	Burkholderia pseudomallei
1666	28feb2016	Urine	Burkholderia pseudomallei
1667	29nov2016	RTS	Burkholderia pseudomallei
1668	26apr2016	Urine	Burkholderia pseudomallei
1669	24mar2016	Blood	Burkholderia pseudomallei
1670	09aug2016	Urine	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1671	30sep2016	Urine	Burkholderia pseudomallei
1672	06may2016	Urine	Burkholderia pseudomallei
1673	20may2016	Blood	Burkholderia pseudomallei
1674	10sep2016	Urine	Burkholderia pseudomallei
1675	02apr2016	RTS	Burkholderia pseudomallei
1676	02jun2016	Urine	Burkholderia pseudomallei
1677	06feb2016	Blood	Burkholderia pseudomallei
1678	11oct2016	Others	Burkholderia pseudomallei
1679	02oct2016	RTS	Burkholderia pseudomallei
1680	04feb2016	Others	Burkholderia pseudomallei
1681	13dec2016	Others	Burkholderia pseudomallei
1682	08jun2016	Blood	Burkholderia pseudomallei
1683	25aug2016	Blood	Burkholderia pseudomallei
1684	14dec2016	RTS	Burkholderia pseudomallei
1685	11mar2016	Blood	Burkholderia pseudomallei
1686	27mar2016	Urine	Burkholderia pseudomallei
1687	21mar2016	Blood	Burkholderia pseudomallei
1688	07apr2016	Others	Burkholderia pseudomallei
1689	10oct2016	Blood	Burkholderia pseudomallei
1690	15mar2016	Urine	Burkholderia pseudomallei
1691	31dec2016	Blood	Burkholderia pseudomallei
1692	16jan2016	Urine	Burkholderia pseudomallei
1693	13jun2016	Urine	Burkholderia pseudomallei
1694	21may2016	Urine	Burkholderia pseudomallei
1695	04feb2016	Urine	Burkholderia pseudomallei
1696	24feb2016	RTS	Burkholderia pseudomallei
1697	21sep2016	Blood	Burkholderia pseudomallei
1698	31aug2016	RTS	Burkholderia pseudomallei
1699	30may2016	Blood	Burkholderia pseudomallei
1700	19nov2016	Others	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1701	27may2016	Blood	Burkholderia pseudomallei
1702	01nov2016	Blood	Burkholderia pseudomallei
1703	13dec2016	Urine	Burkholderia pseudomallei
1704	27aug2016	RTS	Burkholderia pseudomallei
1705	13apr2016	Blood	Burkholderia pseudomallei
1706	20nov2016	Urine	Burkholderia pseudomallei
1707	02nov2016	RTS	Burkholderia pseudomallei
1708	04dec2016	RTS	Burkholderia pseudomallei
1709	09may2016	Urine	Burkholderia pseudomallei
1710	31jan2016	RTS	Burkholderia pseudomallei
1711	08sep2016	Blood	Burkholderia pseudomallei
1712	24nov2016	Urine	Burkholderia pseudomallei
1713	08feb2016	Blood	Burkholderia pseudomallei
1714	11jul2016	Others	Burkholderia pseudomallei
1715	23jun2016	Others	Burkholderia pseudomallei
1716	08sep2016	Urine	Burkholderia pseudomallei
1717	18mar2016	Urine	Burkholderia pseudomallei
1718	01dec2016	Others	Burkholderia pseudomallei
1719	07nov2016	Urine	Burkholderia pseudomallei
1720	11feb2016	Urine	Burkholderia pseudomallei
1721	26sep2016	Blood	Burkholderia pseudomallei
1722	19apr2016	RTS	Burkholderia pseudomallei
1723	28apr2016	RTS	Burkholderia pseudomallei
1724	08jun2016	Urine	Burkholderia pseudomallei
1725	15apr2016	RTS	Burkholderia pseudomallei
1726	30dec2016	Blood	Burkholderia pseudomallei
1727	12dec2016	Urine	Burkholderia pseudomallei
1728	05feb2016	Urine	Burkholderia pseudomallei
1729	17apr2016	Urine	Burkholderia pseudomallei
1730	08jul2016	Urine	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1731	15aug2016	Blood	Burkholderia pseudomallei
1732	15mar2016	RTS	Burkholderia pseudomallei
1733	17feb2016	RTS	Burkholderia pseudomallei
1734	28apr2016	Urine	Burkholderia pseudomallei
1735	15dec2016	Urine	Burkholderia pseudomallei
1736	23nov2016	Genital swab	Burkholderia pseudomallei
1737	23jan2016	Urine	Burkholderia pseudomallei
1738	01mar2016	RTS	Burkholderia pseudomallei
1739	22apr2016	RTS	Burkholderia pseudomallei
1740	23apr2016	RTS	Burkholderia pseudomallei
1741	26jan2016	Urine	Burkholderia pseudomallei
1742	19dec2016	Blood	Burkholderia pseudomallei
1743	03dec2016	Blood	Burkholderia pseudomallei
1744	28feb2016	Blood	Burkholderia pseudomallei
1745	08aug2016	RTS	Burkholderia pseudomallei
1746	19dec2016	Blood	Burkholderia pseudomallei
1747	01oct2016	Urine	Burkholderia pseudomallei
1748	18nov2016	Blood	Burkholderia pseudomallei
1749	19may2016	Urine	Burkholderia pseudomallei
1750	12apr2016	Urine	Burkholderia pseudomallei
1751	21dec2016	Others	Burkholderia pseudomallei
1752	29oct2016	Blood	Burkholderia pseudomallei
1753	16oct2016	Urine	Burkholderia pseudomallei
1754	25dec2016	Urine	Burkholderia pseudomallei
1755	27oct2016	Urine	Burkholderia pseudomallei
1756	23sep2016	Blood	Burkholderia pseudomallei
1757	10feb2016	Urine	Burkholderia pseudomallei
1758	04sep2016	Blood	Burkholderia pseudomallei
1759	29sep2016	Urine	Burkholderia pseudomallei
1760	19oct2016	Blood	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1761	02sep2016	Urine	Burkholderia pseudomallei
1762	22may2016	Blood	Burkholderia pseudomallei
1763	16dec2016	Urine	Burkholderia pseudomallei
1764	12jun2016	Blood	Burkholderia pseudomallei
1765	18nov2016	Urine	Burkholderia pseudomallei
1766	16sep2016	RTS	Burkholderia pseudomallei
1767	08jul2016	Urine	Burkholderia pseudomallei
1768	13may2016	Urine	Burkholderia pseudomallei
1769	26jan2016	Blood	Burkholderia pseudomallei
1770	24sep2016	Urine	Burkholderia pseudomallei
1771	28may2016	Urine	Burkholderia pseudomallei
1772	23jun2016	Blood	Burkholderia pseudomallei
1773	05sep2016	Blood	Burkholderia pseudomallei
1774	18may2016	Urine	Burkholderia pseudomallei
1775	26feb2016	Urine	Burkholderia pseudomallei
1776	03may2016	Others	Burkholderia pseudomallei
1777	21apr2016	Blood	Burkholderia pseudomallei
1778	03jan2016	Others	Burkholderia pseudomallei
1779	18oct2016	Urine	Burkholderia pseudomallei
1780	26oct2016	RTS	Burkholderia pseudomallei
1781	29dec2016	RTS	Burkholderia pseudomallei
1782	10mar2016	Urine	Burkholderia pseudomallei
1783	06nov2016	Blood	Burkholderia pseudomallei
1784	28aug2016	Urine	Burkholderia pseudomallei
1785	03nov2016	CSF	Burkholderia pseudomallei
1786	01jul2016	Urine	Burkholderia pseudomallei
1787	03dec2016	Genital swab	Burkholderia pseudomallei
1788	07may2016	RTS	Burkholderia pseudomallei
1789	14aug2016	RTS	Burkholderia pseudomallei
1790	04may2016	Blood	Burkholderia pseudomallei

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1791	22jul2016	RTS	Burkholderia pseudomallei
1792	04apr2016	RTS	Burkholderia pseudomallei
1793	22dec2016	Others	Burkholderia pseudomallei
1794	15jun2016	Urine	Burkholderia pseudomallei
1795	25nov2016	Urine	Burkholderia pseudomallei
1796	21oct2016	Blood	Burkholderia pseudomallei
1797	18jan2016	RTS	Burkholderia pseudomallei
1798	25aug2016	Blood	Burkholderia pseudomallei
1799	26may2016	RTS	Burkholderia pseudomallei
1800	21oct2016	Blood	Burkholderia pseudomallei
1801	26may2016	Blood	Burkholderia pseudomallei
1802	08feb2016	Urine	Burkholderia pseudomallei
1803	27jan2016	RTS	Burkholderia pseudomallei
1804	18mar2016	RTS	Burkholderia pseudomallei
1805	22nov2016	Urine	Burkholderia pseudomallei
1806	16feb2016	Blood	Burkholderia pseudomallei
1807	07aug2016	Others	Burkholderia pseudomallei
1808	26feb2016	Urine	Burkholderia pseudomallei
1809	15dec2016	Urine	Burkholderia pseudomallei
1810	30aug2016	Blood	Burkholderia pseudomallei
1811	05mar2016	Urine	Burkholderia pseudomallei
1812	23feb2016	RTS	Burkholderia pseudomallei
1813	02jan2017	Urine	Burkholderia pseudomallei
1814	30jun2016	Urine	Burkholderia pseudomallei
1815	12feb2016	Urine	Burkholderia pseudomallei
1816	27oct2016	Blood	Burkholderia pseudomallei
1817	22may2016	Urine	Burkholderia pseudomallei
1818	17jun2016	Urine	Burkholderia pseudomallei
1819	11feb2016	Stool	Vibrio spp.
1819	09sep2016	Blood	Vibrio spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1819	24apr2016	Blood	<i>Vibrio</i> spp.
1820	15jul2016	Stool	<i>Vibrio</i> spp.
1820	18aug2016	Stool	Vibrio spp.
1820	08oct2016	Stool	Vibrio spp.
1821	08oct2016	Stool	Vibrio spp.
1821	31mar2016	Stool	Vibrio spp.
1821	25mar2016	Stool	Vibrio spp.
1822	30aug2016	Blood	Vibrio spp.
1822	23aug2016	Stool	Vibrio spp.
1822	01aug2016	Stool	Vibrio spp.
1823	04dec2016	Stool	Vibrio spp.
1823	26aug2016	Blood	Vibrio spp.
1823	15aug2016	Stool	Vibrio spp.
1824	09feb2016	Stool	Vibrio spp.
1824	06apr2016	Stool	Vibrio spp.
1824	14oct2016	Blood	Vibrio spp.
1825	06dec2016	Blood	Vibrio spp.
1825	16apr2016	Stool	Vibrio spp.
1825	17jun2016	Stool	Vibrio spp.
1826	29aug2016	Stool	Vibrio spp.
1826	01sep2016	Stool	Vibrio spp.
1826	31oct2016	Blood	Vibrio spp.
1827	13mar2016	Blood	Vibrio spp.
1827	21feb2016	Stool	Vibrio spp.
1827	14dec2016	Blood	Vibrio spp.
1828	09sep2016	Stool	Vibrio spp.
1828	30jun2016	Stool	Vibrio spp.
1828	05jun2016	Blood	Vibrio spp.
1829	12jun2016	Blood	Vibrio spp.
1829	11oct2016	Stool	Vibrio spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$ 

Hospital number	Specimen collection date	Specimen type	Organisms
1829	30sep2016	Stool	Vibrio spp.
1830	10feb2016	Blood	Vibrio spp.
1830	06feb2016	Blood	Vibrio spp.
1830	12dec2016	Stool	Vibrio spp.
1831	01jul2016	Stool	Vibrio spp.
1831	09jan2016	Blood	Vibrio spp.
1831	23jun2016	Stool	Vibrio spp.
1832	29may2016	Stool	Vibrio spp.
1832	20dec2016	Stool	Vibrio spp.
1832	07may2016	Stool	Vibrio spp.
1833	15oct2016	Stool	Vibrio spp.
1833	08mar2016	Stool	Vibrio spp.
1833	01may2016	Blood	Vibrio spp.
1834	31mar2016	Stool	Vibrio spp.
1834	17sep2016	Stool	Vibrio spp.

 $<sup>^{\</sup>star}\text{CSF} = \text{Cerebrospinal fluid}; \ \text{RTS} = \text{Respiratory tract specimens}; \ \text{Others} = \text{Others sample types}$