



NICEI Hospital Infection Control Indicator Weight Collection System (Delphi)

Language

English

▼

Dear expert: Thank you for participating in this study. Please complete the scoring based on your professional judgment.

Informed Consent



[View Informed Consent Form](#)

I have read and agree to the content of the informed consent form



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I have read and agree

Expert Basic Information

Expert Anonymous ID*

Institution/Department*

Title/Position*

▼

Field of Expertise*

▼

Years of Experience*

Enter number (e.g., 10)

Survey Round Selection

Please select the current survey round:

Please fill in 'Expert Anonymous ID' first to match your Round 1 data!

☒ Round 1

 (Can fill and submit directly)

☐ Round 2

 (Need to fill in the identification code first)

Current: Round 1 - No file import needed; complete scoring independently to submit

Step 1: Compare the relative importance of the two dimensions

Comparison Instructions:

Please judge:

Which dimension is more important for hospital infection control? How important is it?

View Saaty Scale Details

Which dimension is more important for hospital infection control? How important is it?

- ☐ Hand Hygiene & Environmental Management is more important
- ☒ Both are equally important
- ☐ Infection & Drug-resistant Bacteria Prevention is more important

Your Selection Result

Your choice: Both are equally important

Current Judgment Matrix (Partial)

Dimension A	Dimension B	Importance of A relative to B
Hand Hygiene & Environmental Management	Infection & Drug-resistant Bacteria Prevention	1.00
Infection & Drug-resistant Bacteria Prevention	Hand Hygiene & Environmental Management	1.00

【Step 2 + Step 3】Common Filling Rules

Please judge the relative importance of each pair of indicators in the table below (only fill in the upper triangle part)

Compare the importance of row indicators relative to column indicators

Use the 1-9 scale method (Saaty Scale):

View Saaty Scale Details

After filling, click 'Calculate Lower Triangle' to generate reciprocals

After calculation, check if the consistency ratio (CR) is < 0.1

Tip: Blue cells require you to enter positive integers from 1 to 9 or their reciprocals (1/2 to 1/9); do not enter other numbers. Gray cells show calculated results

Step 2: Pairwise comparison of 8 indicators for 【Hand Hygiene & Environmental Management】

Example: If you think P1: Hand Hygiene Compliance Rate is slightly more important than P2: Hand Hygiene Correct Rate, enter 3 in the cell of P1 row & P2 column; if slightly less important, enter 1/3

Please enter data in this table (upper triangle part)

Indicator	P1: Hand Hygiene Compliance Rate	P2: Hand Hygiene Correct Rate	P3: Paper Hand Towel Usage Rate	P4: Hand Sanitizer Usage Rate	P5: Environmental Monitoring Pass Rate	P6: Cleaning, Disinfection and Isolation Score	P7: Medical Waste Disposal Score	P8: HAI Exam Score
P1: Hand Hygiene Compliance Rate	1							
P2: Hand Hygiene Correct Rate	-	1						
P3: Paper Hand Towel Usage Rate	-	-	1					
P4: Hand Sanitizer Usage Rate	-	-	-	1				
P5: Environmental Monitoring Pass Rate	-	-	-	-	1			
P6: Cleaning, Disinfection and Isolation Score	-	-	-	-	-	1		
P7: Medical Waste Disposal Score	-	-	-	-	-	-	1	
P8: HAI Exam Score	-	-	-	-	-	-	-	1

Reminder (Hand Hygiene Matrix):

Filled cells count:
0 / 28

Unfilled/Invalid Cells: (Row × Column)
P1×P2、P1×P3、P1×P4、P1×P5、P1×P6、P1×P7、P1×P8、P2×P3、P2×P4、P2×P5、P2×P6、P2×P7、P2×P8、P3×P4、P3×P5、P3×P6、P3×P7、P3×P8、P4×P5、P4×P6、P4×P7、P4×P8、P5×P6、P5×P7、P5×P8、P6×P7、P6×P8、P7×P8

Calculate Lower Triangle & Validate

💡 After filling all upper triangle cells, click to calculate lower triangle reciprocals

Step 3: Pairwise comparison of 8 indicators for 【Infection & Drug-resistant Bacteria Prevention】

Example: If you think N1: CAUTI Infection Rate is slightly more important than N2: CLABSI Infection Rate, enter 3 in the cell of N1 row & N2 column; if slightly less important, enter 1/3

Please enter data in this table (upper triangle part)

Indicator	N1: Catheter-Associated Urinary Tract Infection (CAUTI) incidence	N2: Central Line-Associated Bloodstream Infection (CLABSI) incidence	N3: Ventilator-Associated Pneumonia (VAP) incidence	N4: Methicillin-Resistant Staphylococcus Aureus (MRSA) Detection Rate	N5: Vancomycin-Resistant Enterococcus (VRE) Detection Rate	N6: Carbapenem-Resistant Enterobacteriaceae (CRE) Detection Rate	N7: Carbapenem-Resistant Pseudomonas Aeruginosa (CRPA) Detection Rate	N8: Carbapenem-Resistant Acinetobacter Baumannii (CRAB) Detection Rate
N1: Catheter-Associated Urinary Tract Infection (CAUTI) incidence	1	Enter value	Enter value	Enter value	Enter value	Enter value	Enter value	Enter value
N2: Central Line-Associated Bloodstream Infection (CLABSI) incidence	-	1	Enter value	Enter value	Enter value	Enter value	Enter value	Enter value
N3: Ventilator-Associated Pneumonia (VAP) incidence	-	-	1	Enter value	Enter value	Enter value	Enter value	Enter value
N4: Methicillin-Resistant Staphylococcus Aureus (MRSA) Detection Rate	-	-	-	1	Enter value	Enter value	Enter value	Enter value
N5: Vancomycin-Resistant Enterococcus (VRE) Detection Rate	-	-	-	-	1	Enter value	Enter value	Enter value
N6: Carbapenem-Resistant Enterobacteriaceae (CRE) Detection Rate	-	-	-	-	-	1	Enter value	Enter value
N7: Carbapenem-Resistant Pseudomonas Aeruginosa (CRPA) Detection Rate	-	-	-	-	-	-	1	Enter value
N8: Carbapenem-Resistant Acinetobacter Baumannii (CRAB) Detection Rate	-	-	-	-	-	-	-	1

Reminder (Infection Prevention Matrix):

Filled cells count:
0 / 28

Unfilled/Invalid Cells: (Row × Column)
N1×N2、N1×N3、N1×N4、N1×N5、N1×N6、N1×N7、N1×N8、N2×N3、N2×N4、N2×N5、N2×N6、N2×N7、N2×N8、N3×N4、N3×N5、N3×N6、N3×N7、N3×N8、N4×N5、N4×N6、N4×N7、N4×N8、N5×N6、N5×N7、N5×N8、N6×N7、N6×N8、N7×N8

Calculate Lower Triangle & Validate

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Submit Data



English ▼

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Informed Consent

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I have read and agree to the content of the informed consent form

I have read and agree

Expert Basic Information

Expert Anonymous ID*

Expert01

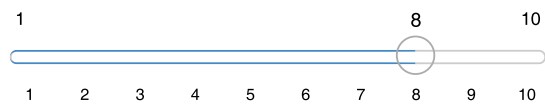
Institution/Department*

Title/Position***Field of Expertise***

Years of Experience*

Enter number (e.g., 10)

Your familiarity with nursing and healthcare-associated infection (HAI) knowledge (0-10 points)*



Rate: 1=very unfamiliar, 10=very familiar

Your confidence in your own judgments (0-10 points)*



Rate: 1=very low, 10=very high

Survey Round Selection

Please select the current survey round:

☐ Round 1 (Can fill and submit directly) ☒ Round 2 (Need to upload Excel to submit)

Current: Round 2 - Summary Excel imported; adjust scoring with reference to group feedback

Import Round 1 Summary Excel (from Researcher)*

Please select the summary Excel file (.xlsx) sent by the researcher

Select File

Browse...

Round 1 Summary Table.xlsx

Upload complete

Excel imported successfully! View group feedback (Valid experts: 20)

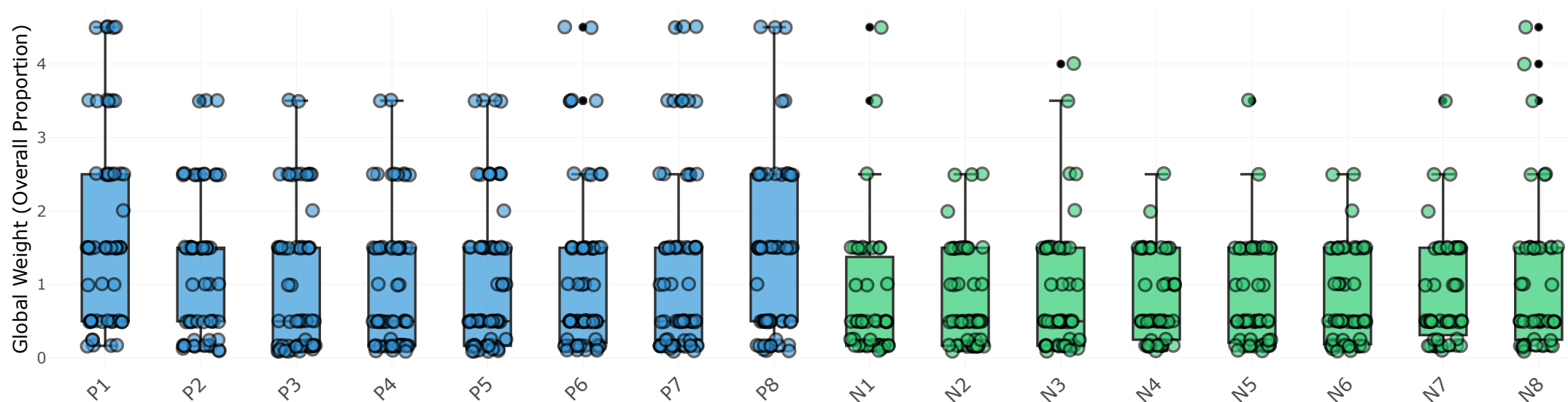
Round 1 Group Feedback Results

The following are the statistical results of all experts in Round 1 (from the imported summary Excel) for your reference.

Dimension Comparison (Step 1)

16 Indicators Global Weights

Round 1 Global Weight Distribution of 16 Indicators



Indicator Type

Hand Hygiene Indicators

Infection Prevention Indicators

Indicators (P1-P8: Hand Hygiene; N1-N8: Infection Prevention)

16 Indicators Global Weight Descriptive Statistics

Indicator Type	Indicator Abbr	Full Name	Local Weight Median	Global Weight Median	Global Weight Mean	Global Weight SD	Valid Experts
Hand Hygiene Indicators	P1	P1: Hand Hygiene Compliance Rate	3.00	1.50	1.77	1.33	20
Hand Hygiene Indicators	P2	P2: Hand Hygiene Correct Rate	3.00	1.50	1.27	0.98	20
Hand Hygiene Indicators	P3	P3: Paper Hand Towel Usage Rate	1.00	0.50	1.03	0.99	20
Hand Hygiene Indicators	P4	P4: Hand Sanitizer Usage Rate	1.00	0.50	1.00	0.94	20
Hand Hygiene Indicators	P5	P5: Environmental Monitoring Pass Rate	1.00	0.50	1.04	0.98	20
Hand Hygiene Indicators	P6	P6: Cleaning, Disinfection and Isolation Score	1.00	0.50	1.09	1.11	20
Hand Hygiene Indicators	P7	P7: Medical Waste Disposal Score	1.00	0.50	1.23	1.23	20
Hand Hygiene Indicators	P8	P8: HAI Exam Score	3.00	1.50	1.35	1.19	20
Infection Prevention Indicators	N1	N1: Catheter-Associated Urinary Tract Infection (CAUTI) incidence	1.00	0.50	0.80	0.89	20
Infection Prevention Indicators	N2	N2: Central Line-Associated Bloodstream Infection (CLABSI) incidence	1.00	0.50	0.79	0.67	20
Infection Prevention Indicators	N3	N3: Ventilator-Associated Pneumonia (VAP) incidence	1.00	0.50	0.86	0.85	20
Infection Prevention Indicators	N4	N4: Methicillin-Resistant Staphylococcus Aureus (MRSA) Detection Rate	1.00	0.50	0.79	0.59	20
Infection Prevention Indicators	N5	N5: Vancomycin-Resistant Enterococcus (VRE) Detection Rate	1.00	0.50	0.78	0.70	20
Infection Prevention Indicators	N6	N6: Carbapenem-Resistant Enterobacteriaceae (CRE) Detection Rate	1.00	0.50	0.78	0.64	20
Infection Prevention Indicators	N7	N7: Carbapenem-Resistant Pseudomonas Aeruginosa (CRPA) Detection Rate	1.00	0.50	0.87	0.73	20
Infection Prevention Indicators	N8	N8: Carbapenem-Resistant Acinetobacter Baumannii (CRAB) Detection Rate	1.00	0.50	1.02	1.03	20

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Infection & Drug-resistant Bacteria Prevention	Hand Hygiene & Environmental Management	1.00

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Example: If you think P1: Hand Hygiene Compliance Rate is slightly more important than P2: Hand Hygiene Correct Rate, enter 3 in the cell of P1 row & P2 column; if slightly less important, enter 1/3

Please enter data in this table (upper triangle part)

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P1: Hand Hygiene Compliance Rate	1	5 Group Ref: (Group: Mode(original): 3, Median(mapped): 3) Small Diff	5 Group Ref: (Group: Mode(original): 3, Median(mapped): 3) Small Diff	5 Group Ref: (Group: Mode(original): 1, Median(mapped): 2) Large Diff	3 Group Ref: (Group: Mode(original): 1, Median(mapped): 2) Medium Diff	3 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 2) Small Diff	5 Group Ref: (Group: Mode(original): 3, Median(mapped): 3) Small Diff
P2: Hand Hygiene Correct Rate	-(Group: Mode: 1/3, Median(mapped): 1/3)	1	5 Group Ref: (Group: Mode(original): 3, Median(mapped): 3) Small Diff	5 Group Ref: (Group: Mode(original): 1, Median(mapped): 3) Large Diff	3 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Opposite Direction (Large Diff)	3 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 2) Opposite Direction (Large Diff)	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 2) Small Diff	5 Group Ref: (Group: Mode(original): 5, Median(mapped): 3) Small Diff
P3: Paper Hand Towel Usage Rate	-(Group: Mode: 1/3, Median(mapped): 1/3)	-(Group: Mode: 1/3, Median(mapped): 1/3)	1	0.3333 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Medium Diff
P4: Hand Sanitizer Usage Rate	-(Group: Mode: 1, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1/3)	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	1	0.3333 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Small Diff	0.3333 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Small Diff	0.3333 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Small Diff	3 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Opposite Direction (Large Diff)
P5: Environmental Monitoring Pass Rate	-(Group: Mode: 1, Median(mapped): 1/2)	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	-(Group: Mode: 3.0003, Median(mapped): 1)	1	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Small Diff	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Small Diff	5 Group Ref: (Group: Mode(original): 1, Median(mapped): 3) Large Diff
P6: Cleaning, Disinfection and Isolation Score	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 3.0003, Median(mapped): 1/2)	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Small Diff	5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff
P7: Medical Waste Disposal Score	-(Group: Mode: 1, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1/2)	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff
P8: HAI Exam Score	-(Group: Mode: 1/3, Median(mapped): 1/3)	-(Group: Mode: 1/5, Median(mapped): 1/3)	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1/3)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1

Reminder (Hand Hygiene Matrix):

Filled cells count:
28 / 28

Unfilled/Invalid Cells: (Row × Column)
None (All cells filled; click 'Calculate Lower Triangle')

Calculate Lower Triangle & Validate

💡 After filling all upper triangle cells, click to calculate lower triangle reciprocals

Step 3: Pairwise comparison of 8 indicators for 【Infection & Drug-resistant Bacteria Prevention】

Example: If you think N1: CAUTI Infection Rate is slightly more important than N2: CLABSI Infection Rate, enter 3 in the cell of N1 row & N2 column; if slightly less important, enter 1/3

Please enter data in this table (upper triangle part)

Indicator	N1: Catheter-Associated Urinary Tract Infection (CAUTI) incidence	N2: Central Line-Associated Bloodstream Infection (CLABSI) incidence	N3: Ventilator-Associated Pneumonia (VAP) incidence	N4: Methicillin-Resistant Staphylococcus Aureus (MRSA) Detection Rate	N5: Vancomycin-Resistant Enterococcus (VRE) Detection Rate	N6: Carbapenem-Resistant Enterobacteriaceae (CRE) Detection Rate	N7: Carbapenem-Resistant Pseudomonas Aeruginosa (CRPA) Detection Rate	N8: Carbapenem-Resistant Acinetobacter Baumannii (CRAB) Detection Rate
N1: Catheter-Associated Urinary Tract Infection (CAUTI) incidence	1	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1/3) Small Diff	1/5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff	1/5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff	1/5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff	1/5 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Large Diff	1/5 Group Ref: (Group: Mode(original): 0.3333, Median(mapped): 1) Small Diff
N2: Central Line-Associated Bloodstream Infection (CLABSI) incidence	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	1	1 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Small Diff	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 1) Small Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 2) Small Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 2) Small Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 2) Small Diff
N3: Ventilator-Associated Pneumonia (VAP) incidence	-(Group: Mode: 3.0003, Median(mapped): 3.0000)	-(Group: Mode: 1, Median(mapped): 1)	1	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 1) Small Diff	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	2 Group Ref: (Group: Mode(original): 3, Median(mapped): 2) Small Diff	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 2) Medium Diff
N4: Methicillin-Resistant Staphylococcus Aureus (MRSA) Detection Rate	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	0.3333 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	0.3333 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	1/2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	1/2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff
N5: Vancomycin-Resistant Enterococcus (VRE) Detection Rate	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1/3, Median(mapped): 1)	-(Group: Mode: 1/3, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	1/2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	1/2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	1/2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff
N6: Carbapenem-Resistant Enterobacteriaceae (CRE) Detection Rate	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1/3, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff
N7: Carbapenem-Resistant Pseudomonas Aeruginosa (CRPA) Detection Rate	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1/3, Median(mapped): 1/2)	-(Group: Mode: 1/3, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1	2 Group Ref: (Group: Mode(original): 1, Median(mapped): 1) Medium Diff
N8: Carbapenem-Resistant Acinetobacter Baumannii (CRAB) Detection Rate	-(Group: Mode: 3.0003, Median(mapped): 1)	-(Group: Mode: 1/3, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1/2)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	-(Group: Mode: 1, Median(mapped): 1)	1

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