وقايــة
هيئــة الصحــة العامــة
PUBLIC HEALTH AUTHORITY

HAI Surveillance & Outbreak Validation
MDRO Validation Summary Report

Facility Validation Overview				
Facility Name:				
Facility Type:	Governmental (MOH)	☐	Private	☐
Facility Selection Method (Reason)				
Date of Visit:				
Time of Visit:	Start Time:		End Time:	
Name of Validator				

Numerator Validation
Number of MDROs
MM/YY

Sampling information for numerator validation at this facility:

Event	Elements reviewed for validation	Total # events facility reported to PHA Via Seha Platform in the same time frame (before validation)
MDRO Lab ID Event (Including NICU)	– Lab results for targeted MDROs – Inpatient Positive Culture line list	

*MDROs in surveillance locations (including NICU) Validation Results:

Event Determination	Validation: Yes – MDRO/s	Validation: No – Not MDRO/s
Date-matched MDRO/s Detected & reported: Yes	A:	B:
Date-matched MDRO/s NOT detected : No	C:	D:

Denominator Validation:
Patient days for MDROs

Denominator Data collection method	☐ Manual counting: ☐ Daily ☐ Electronic counting ☐ Both manual and electronic counting

Denominator Data Comparison
MM/YY

Surveillance Location	Manual Data		Electronic Data (Power BI)	
Adult ICU (AICU)	Patient Days :		Patient Days :	
Neonatal ICU (NICU)	Patient Days :		Patient Days :	
Pediatric ICU (PICU)	Patient Days :		Patient Days :	

Conclusion:

Validation Outcome					
Numerator Validation	Numerator manual data matching with electronic platforms – No further action needer. All events correctly identified and reported.	Yes ☐ No ☐ N/A ☐	Numerator manual data not matching with electronic platforms – Further action needed MDRO events were missed / unidentified.	Yes ☐ No ☐ N/A ☐
Denominator Validation	Denominator manual data matching with electronic platforms (within +-5% Tolerance interval) No further action needed	Yes ☐ No ☐ N/A ☐	Denominator manual data **NOT** matching with electronic platforms (> +-5% Tolerance interval) Further action needed	Yes ☐ No ☐ N/A ☐

Equation for calculating 5% tolerance interval is:

Manual Patient Days count =   164
Electronic Patient Days count = 178
Eligible 5% tolerance interval = [164±(164 X 5/100)] = 164 ± 8.2)
5% tolerance interval =155.8 to 172.2

Conclusion: Electronic count 178 falls outside the tolerance interval.