

## HAI Surveillance & Outbreak Validation VAE Validation Summary Report

Facility Validation Overview				
Facility Name:				
Facility Type:	Governmental (MOH) <input type="checkbox"/>	Private <input type="checkbox"/>		
Facility Selection Method (Reason)				
Date of Visit:				
Time of Visit:	Start Time:		End Time:	
Name of Validator				

Numerator Validation Number of VAEs MM/YY				
Elements reviewed for validation		<ul style="list-style-type: none"> <li>Positive Culture line list (BAL, endotracheal aspirate, sputum etc.)</li> <li>VAE monitoring forms</li> <li>Specific clinical records related to VAE</li> </ul>		
Type of Event	Total # VAEs reported via SEHA platform (before validation)	Number of VAE/s correctly Identified & reported via HESN-Plus	Missed, Undetected VAE/s that were meeting criteria.	Over identification / wrong identification of VAE/s not matching criteria
Adult VAEs (AICUs)				
Ped VAE (PICU)				
Ped VAE (NICU)				
Grand Total				

Denominator Validation Ventilator Days and Patient days				
Denominator data collection method		<input type="checkbox"/> Manual counting: <input type="checkbox"/> Daily <input type="checkbox"/> Electronic counting <input type="checkbox"/> Both manual and electronic counting		
Denominator Data Comparison MM/YY				
Surveillance Location	Manual Data		Electronic Data (Power BI)	
Adult ICU	Patient Days :		Patient Days :	
	Ventilator Days:		Ventilator Days:	
Neonatal ICU (NICU)	Patient Days :		Patient Days :	
	Ventilator Days:		Ventilator Days:	
Pediatric ICU (PICU)	Patient Days :		Patient Days :	
	Ventilator Days:		Ventilator Days:	

## Conclusion:

Validation Outcome				
Numerator Validation	Numerator manual data matching with electronic platforms - No further action needed. All events correctly identified and reported.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Numerator manual data not matching with electronic platforms - Further action needed VAE events were missed / unidentified.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Denominator Validation	Denominator manual data matching with electronic platforms - No further action needed (+/-5% difference)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Denominator manual data <b>NOT</b> matching with electronic platforms - Further action needed (> +/-5% difference)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

Equation for calculating 5% tolerance interval is:

Manual Ventilator Days count = 164  
 Electronic Ventilator Days count = 178  
 Eligible 5% tolerance interval =  $[164 \pm (164 \times 5/100)] = 164 \pm 8.2$   
 5% tolerance interval = 155.8 to 172.2

**Conclusion: Electronic count 178 falls outside the tolerance interval.**