

Appropriate Vancomycin Level Collection in CVICU

Brian Gulbis, PharmD, BCPS

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Pre-Intervention Data Analysis

Comparison of all HVI units

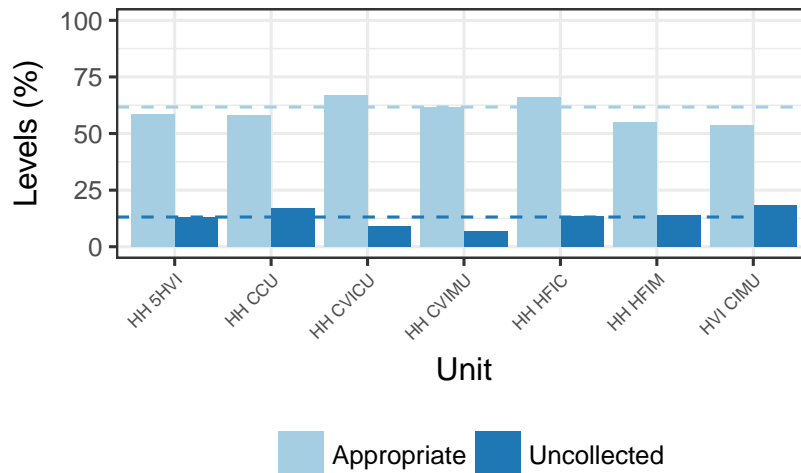


Figure 1: Appropriately Collected and Uncollected Vancomycin Levels

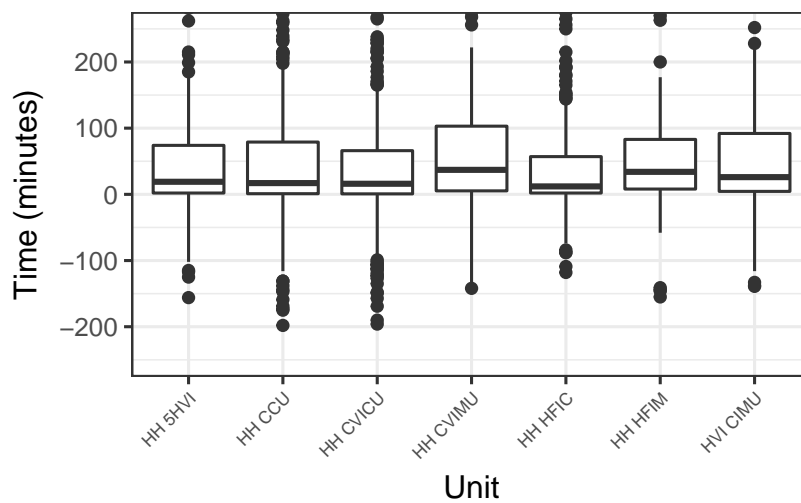


Figure 2: Time Difference Between Scheduled and Actual Level Collection

Table 1: Defects per Million Opportunities

event.unit	units	defects	opportunities	dpo	dpmo	sigma
HH 5HVI	395	163	1	0.4126582	412658.2	1.625
HH CCU	587	247	1	0.4207836	420783.6	1.625
HH CVICU	561	186	1	0.3315508	331550.8	1.875
HH CVIMU	242	93	1	0.3842975	384297.5	1.750
HH HFIC	456	154	1	0.3377193	337719.3	1.875
HH HFIM	135	61	1	0.4518519	451851.9	1.500
HVI CIMU	230	107	1	0.4652174	465217.4	1.500
HVI	2606	1011	1	0.3879509	387950.9	1.750

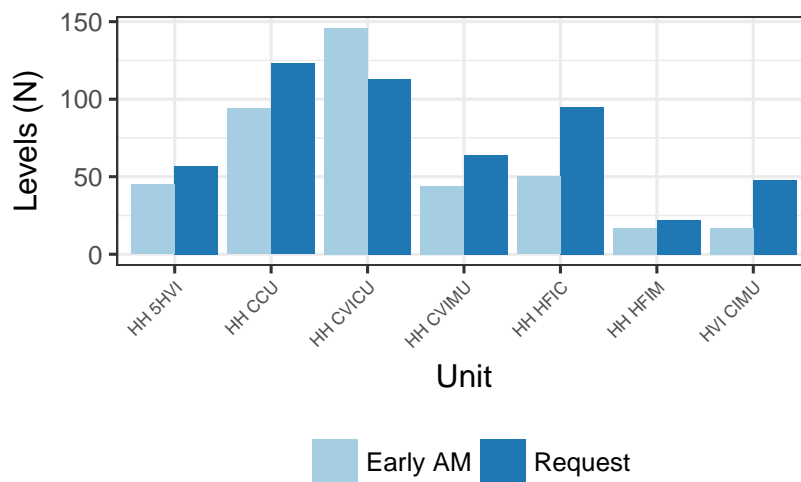


Figure 3: Orders for Early AM or by Vancomycin Request

Vancomycin level requests are excluded from the analysis of appropriate collection. Vancomycin levels ordered as Early AM are considered appropriate if they are drawn at 0300 plus/minus 120 minutes.

CVICU Levels

Table 2: Vancomycin Levels in CVICU by Nursing Shift

	day	night	p
n	286	266	
appropriate = TRUE (%)	169 (59.1)	200 (75.2)	<0.001
uncollected = TRUE (%)	35 (12.2)	13 (4.9)	0.004

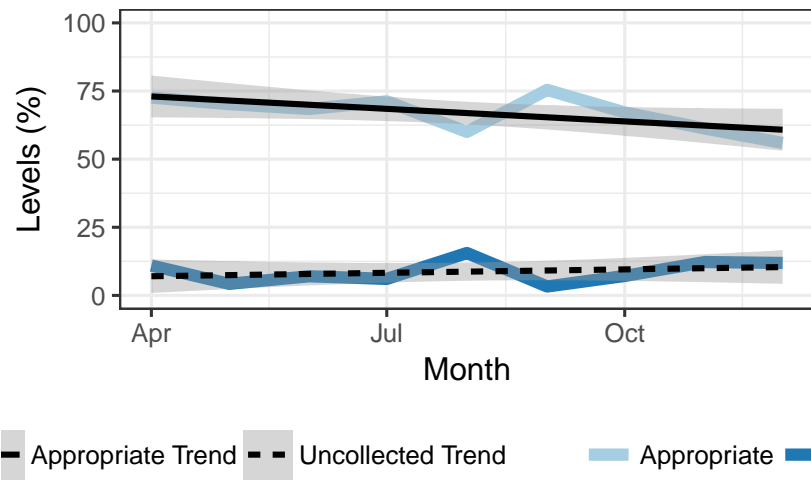


Figure 4: Levels Appropriately Collected and Uncollected by Month

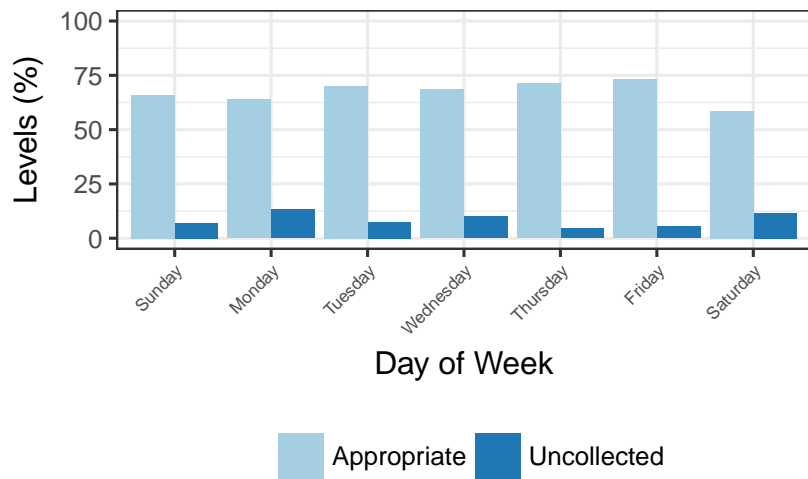


Figure 5: Levels Appropriately Collected and Uncollected by Day of Week

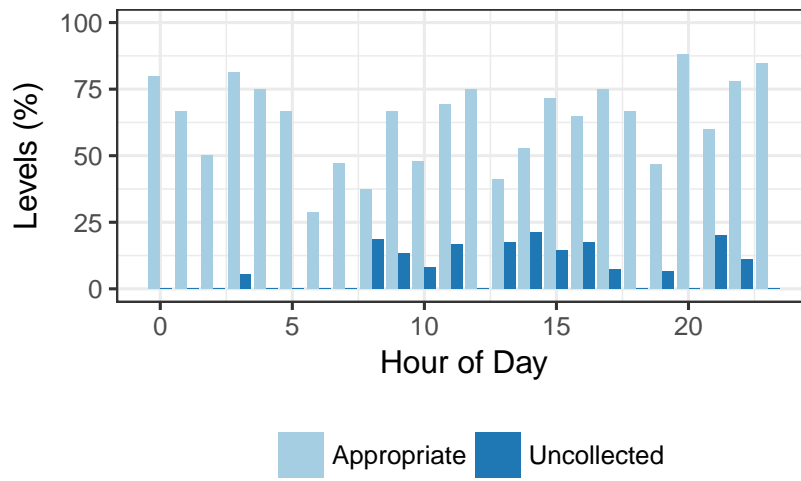


Figure 6: Levels Appropriately Collected and Uncollected by Hour of Day

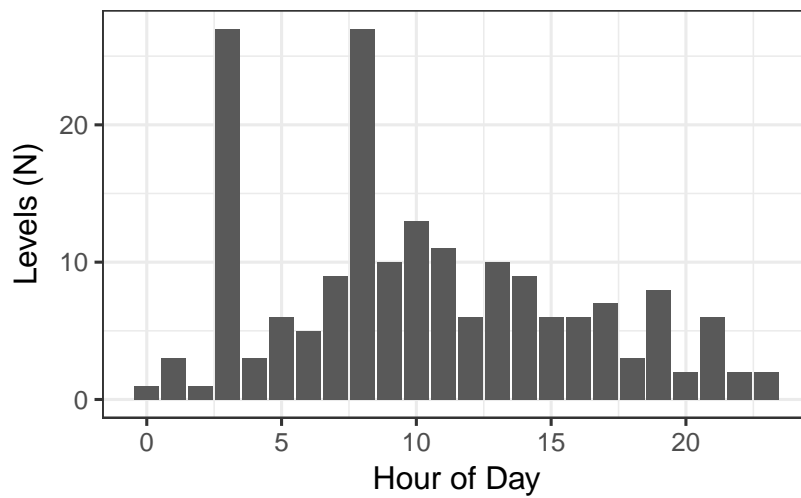


Figure 7: Number of Untimely Levels by Hours of Day