

Med Analytics Service

for the Pyxis® MedStation® system

Your key to actionable medication information

The Med Analytics Service provides the actionable intelligence needed to optimize your medication management processes. Every month, a CareFusion analyst reviews your Pyxis® MedStation® data and delivers a pre-formatted, intuitive executive packet that highlights performance across several key performance indicators. The information contained in your executive packet is organized into four functional sections:

1. **Diversion and Inventory Loss:** detect diversion and potential inventory loss by assessing proprietary risk metrics.
2. **Inventory Management:** determine which stations have the greatest need for a review of inventory optimization practices.
3. **Safety/Compliance:** review instances of medication override while demonstrating diversion prevention practices.
4. **System maintenance:** monitor the use of temporary users and utilization of Pyxis® BioID technology.

This information is sent directly to you every month, so there's no need for additional training or IT support. This unique approach has been proven to deliver the accurate and timely information required to monitor the effectiveness of medication dispensing practices.

“The reports are an excellent service to facilities. Although we probably have the capability to run the same type of reports, we rarely have the time to run them. With the information presented in this format, we would definitely use the reports to improve Pyxis® performance.”

Sylvia Saint-Amand
Pharmacy Business Manager
Southeastern Regional Medical Center



Executive Summary

Indicators	Current Period	Previous Period	Variance
Diversion & Inventory Loss			
Number of CS Discrepancies	297	317	-20
CS Transactions by Generic Name for User >2SD (Housewide)	347	346	1
CS Transactions by Generic Name for User >2SD (Station)	496	486	10
CS Discrepancies Resolved within 24 Hours (%)	82.5	82	0.5
CS Pockets Inventoried per Policy (%)	75.6	68.7	6.9

Inventory			
Avg. Non-CS Discrepancies/Station	74.4		
Avg. # of Blind Stock-outs/Station	8.5		
Avg. Remove Out-Dates/Station	78.8		
# of Drugs > 2 loads/unloads	26		
# of Pockets without removal for >90 days	3394		
Stock-out Percentage	22350%		
Doses Dispensed from Pyxis	8.1		
Vend/Refill Ratio			
Safety			
Avg # of Cancellation Transactions per MS/month	81.5		
Avg # of Cancellation Transactions per MS/month	11.4		
Profile Overrides (%)			
System Maintenance			
Avg # of Temp Users/Station	1.4		
# of Active userids w/out Activity in past 90 days	119		
# of Repeat Temp Users	16		
# of Unknown Meds in Formulary	0		
Users Using BioID (%)	94.9		

Stations to Act On

Station	Aggregate Station Score	Stock-out Percentage		Vend-refill Ratio		# of Pockets w/o Removals >90 days		# of Removed Out-dates		# of Meds >2 Loaded/Unloaded		Av of St St
		Percentage	Percentile Score	Vend to Refill Ratio	Percentile Score	# of Pockets	Percentile Score	# of Doses	Percentile Score	Number of Meds	Percentile Score	
6ICU3	25	2.3	5	8.1	5	109	2	195	4	1	4	24
6ICU1	22	1.8	5	6.3	5	110	3	238	5	0	0	20
11FL2	21	0.9	5	8.6	5	52	0	130	2	7	5	20
6ICU2	21	1.4	5	8.7	5	80	0	221	5	3	5	14
5MSU2	19	0.5	4	10.2	3	62	0	143	3	1	4	12
ED2	19	1.9	5	4.7	5	123	5	45	0	1	4	7
ED3	19	2.1	5	3.8	5	130	5	68	0	1	4	12
CCCQ3	18	1.1	5	8.8	5	96	2	126	1	4	5	12
8IMTA2	17	1.1	5	9.0	5	81	0	134	5	0	0	26

Station Detail: 6ICU3

Inventory Management for Medication Dispensing Detail												
Period: January 1, 2008 to January 31, 2008												
Stock-out Percentage (Focus attention on Medications with >1 Stock out):												
Med ID	Drawer/Sub-drawer/Pocket	Med Description	Dosage Form	# of Stock-outs	# of Vends	Stock-out (%)	Current Min	Current Max				
309	9 / 3	TICARCILLIN/K CLAVULAN-ATE 3.1 GM	VIAL	8	19	42.1%	1	3				
616	28 / 3	CISATRACURIUM 2 MG	VIAL	8	38	21.1%	20	40				
2527	25 / 4	PIPERACIL/TAZOBAC 3.375GM/50ML 3.375 GM	IVPB	5	112	4.5%	30	60				
64	11 / 2	TORSEMIDE 50MG/5ML 50 MG	INJ	4	11	36.4%	20	50				
193	27 / 2	CLINDAMYCIN 600 MG	ADDVANT	4	31	12.9%	4	8				
79	22 / 4	CEFTRIAXONE ADD-VANT 2000 MG	ADDVANT	3	11	27.3%	1	4				
3404	22 / 5	NITROGLYCERIN 50 MG	BOTTLE	3	13	23.1%	3	5				
2980	24 / 24	MILRINONE 40MG/100ML D5W 40 MG	BAG	3	21	14.3%	2	4				
3379	17 / 12	RIFAXIMIN 200 MG	TAB	3	22	13.6%	4	10				

1. Provides overview of potential problem areas

2. Click to problem stations

3. Click to problem stockouts

■	Possible problem
■	Area to watch
■	Performance OK

To view the Med Analytics Service in action, visit carefusion.com/analytics

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