

PERFORMANCE AND BENCHMARKING ANALYZER

“How can we improve, if we don’t measure?”

Once a hospital identifies the KPI’s (Key Performance Indicators) that are most important to it, they can be measured in units of time, quality, productivity, and cost. It can then either pick industry available benchmarks or set goal benchmarks for improvement. Once the benchmarks are established and the KPI’s can be quantified, continuous improvement measurement becomes the norm.

The HEMS PBA (Performance and Benchmarking Analyzer) provides the tools for tracking both component and system KPI’s over time. The data is automatically analyzed and presented to show improvement – or slippage – over time. Using these tools, actions can be focused on those areas and activities that add value, reduce costs and improve the quality of care. As these trends continue, the value-add from Biomed, Imaging, Facilities, Support Services, etc. can be seen by the entire organization; and it’s likely this will raise patient satisfaction scores as well.

Annual Failure Rate - Equipment Type - Manufacturer - Model [Back](#)

Year	Last Production D...	Max Replacemen...	Obsolete	Class	EQ Type	Equipment Type	Failure Rate	Count	Active Equipment	WO CM	Status	Trend
2015	No		False	CRITICAL - LIFE SUP...	ABLATION EQUIP	LASER, SURGICAL	6.90%	29	2	1	▲	↑
2016	Yes		True	CRITICAL - NON LIF...	ABLATION UNIT, CR...	AMS USA	100.00%	1	1	1	●	↓
2017	Unknown	No	Unknown	NON-CRITICAL	ABLATION UNIT, HY...	GREENLIGHT	100.00%	1	1	1	●	↓
2018		Yes			ABLATION UNIT, RF	CONVERGENT LASER TECHNOLOGIES		1	1	1	●	↓
2019		Unknown			ABLATION UNIT, RF	ODYSSEY		1	1	1	●	↓
2020					ANALYZER, BLOOD CULTURE	HEALTHTRONICS INC		1	1	1	●	↓
2021					ANALYZER, BLOOD GAS PH	REVOLIX 70		1	1	1	●	↓
2022					ANALYZER, COAGULATION	LASERSCOPE	0.00%	19	0	0	●	↑
2023					ANALYZER, ELECTRICAL SAFETY	0010-0070		2	2	2	●	↓
2024						0010-9260	0.00%	2	0	0	●	↓
						813		1	1	1	●	↓
						GREENLIGHT HPS	0.00%	7	0	0	●	↑
						STONELIGHT	0.00%	7	0	0	●	↑
						LISA LASER USA	0.00%	1	0	0	●	↑
						REVOLIX JR	0.00%	1	0	0	●	↑
						NEW STAR LASERS INC	25.00%	4	1	1	▲	↑
						NEW STAR 1500	25.00%	4	1	1	▲	↑
						TRIMEDYNE INC		2	2	2	●	↓
						OMNI PULSE MAX		2	2	2	●	↓
						ANESTHESIA/ANALGESIA UNIT (GAS MACHINE)	141.30%	46	65	65	●	↓
						DEFIBRILLATOR/PACEMAKER	169.61%	102	173	173	●	↓
						VENTILATOR, CONTINUOUS		1	1	1	●	↓
						VENTILATOR, INTENSIVE CARE, NEONATAL/PEDIATRIC	82.61%	23	19	19	●	↑
						ABLATION UNIT, CRYOTHERAPY	100.00%	3	3	3	●	↓
						ABLATION UNIT, RF	3.23%	31	1	1	▲	↓
						ALARM, BED	0.69%	436	3	3	●	↑
						ANALYZER, BLOOD CULTURE	233.33%	6	14	14	●	↑
						ANALYZER, BLOOD GAS PH	5.88%	17	1	1	▲	↑
						ANALYZER, COAGULATION	48.08%	52	25	25	▲	↑
						ANALYZER, ELECTRICAL SAFETY	43.75%	16	7	7	▲	↓

FEATURES OF THE HEMS PBA

- ↑ Trends and current status are identified with color-coding, providing quick and easy visibility
- ↑ Strengths as well as deficiencies are quantified
- ↑ Comparisons can be made monthly, quarterly or over multiple years as history is accrued
- ↑ Performance comparisons can be set up by models, types, locations, and service areas
- ↑ Off the shelf dashboards are provided plus tools to create and save new ones on-demand
- ↑ Drag and drop report/dashboard design makes it easy to get key information organized in the formats you prefer

SAMPLE ITEMS OF ANALYSIS AND COMPARISON

- COSR (Cost of Service Ratio)
- Percentage of closed work orders
- PM compliance
- Recalls opened and closed
- Failure rate
- Downtime vs. Uptime
- Workload analysis
- Resource Planning
- Part consumption by model and by manufacturer
- Compliance reporting

PM Compliance - High Risk and Non High Risk Devices - By Hospital													
Year	Risk	EQ2 EAST				EQ2 NORTH				EQ2 SOUTH			
		Compliant	WO Count	%	Status	Compliant	WO Count	%	Status	Compliant	WO Count	%	Status
2018	High Risk	6627	7332	90.38%	👍	1349	2171	62.14%	👎	4043	4252	95.08%	👍
2018	Non High Risk	7085	7231	97.98%	👍	2055	2068	99.37%	👍	8172	8299	98.47%	👍
2018	Grand Total	13712	14563	94.16%	👍	3404	4239	80.30%	👎	12215	12551	97.32%	👍



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