

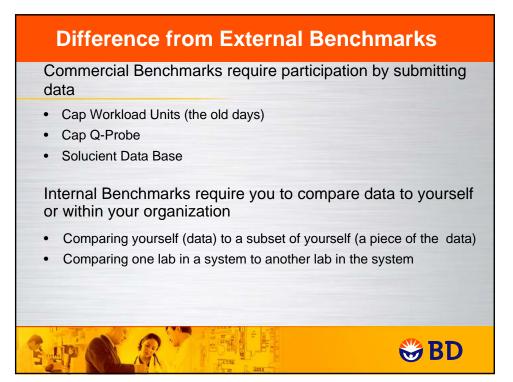


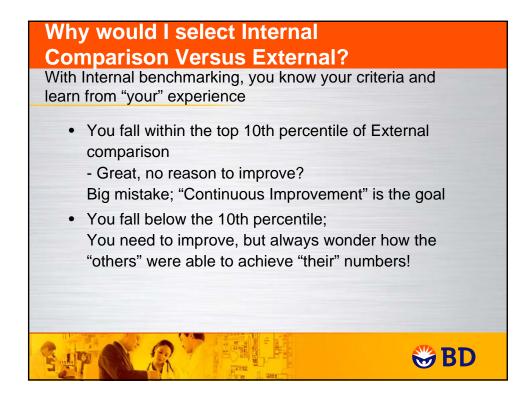
## **Internal Benchmarks**

Metrics are developed from within the facility irrespective of what is commercially available or considered "state of the art" in the industry

- Turn-Around-Time for ED, ICU, Med Surg, Morning Rounds
- Productivity by Hour Worked, Hour Paid, Etc.
  - Segmented by MT, MLA, MLT, Supervisor, Director, Pathologist etc.
  - Segmented by all of the above and patient type, area within the Lab, or submitting area within the hospital or healthcare provider environment
  - In other words, to suit your needs
  - There is no "wrong" metric unless it is of no value to anyone in your organization!

😸 BD

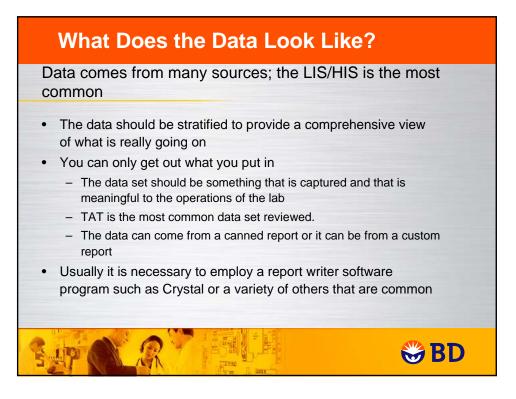




## Why would I select Internal Comparison Versus External? To improve operations when nothing or everything is wrong Specialty Labs, and Labs that are "Special" either because of the population they serve or their location I don't compare well with large data bases, yet if I tried to achieve what the large data base is saying, I might jeopardize quality or patient/worker safety

- This may be a fact or just a perception
- How do you separate fact from perception?
  - Let YOUR data drive YOUR decision!





## Sample of Data – TAT Native Crystal Report

Acc.# Test Colct Date Colct Tim Recv Date Recv Time Rslt Date Rslt Time Meth. Evt Acct # Loc. TestName Result X44582 UC 10/26/2008 1:39:00PM 10/26/2008 7:00:00PM 10/27/2008 8:18:00AM MCW OP7532208 MWCEULTURE/NRGE1SULT X44582 UC 10/26/2008 1:39:00PM 10/26/2008 7:00:00PM 10/28/2008 2:19:00PM MCW OP7532208 MWCEULTURE/MRIEXSOULT X44582 UC 10/26/2008 1:39:00PM 10/26/2008 7:00:00PM 10/26/2008 2:19:00PM MCW OP7532208 MWCEEPCRT SFTNALTUS X44582 UC 10/26/2008 1:39:00PM 10/26/2008 7:00:00PM 10/26/2008 7:09:00PM OP7532208 MWSEEPCRT SFTNALTUS X44582 UC 10/26/2008 1:39:00PM 10/26/2008 7:00:00PM 10/26/2008 7:09:00PM OP7532208 MWSEEPCRT SFTNALTUS X44582 UC 10/26/2008 8:10:00PM 10/26/2008 7:00:00PM 10/26/2008 7:09:00PM OP7532208 MWSEPECIAL INFOOMRNMATIO M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MACTERIAPL1 M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MLCOR, YELLOW M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MLCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MLCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MLCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MVLCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MVLCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MULCOSEN, UERGINE M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MVLCOUS PRES M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MWLCOUS PRES M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MVCULT BNLEOGOD, URIN M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DE6MVCULT BNLEOGOD

M18696 UAR 10/27/2008 8:10:00PM 10/27/2008 8:17:00PM 10/27/2008 8:31:00PM IRIS ER7533940 DESMP.GRAV.,1U.0R1IN4 E

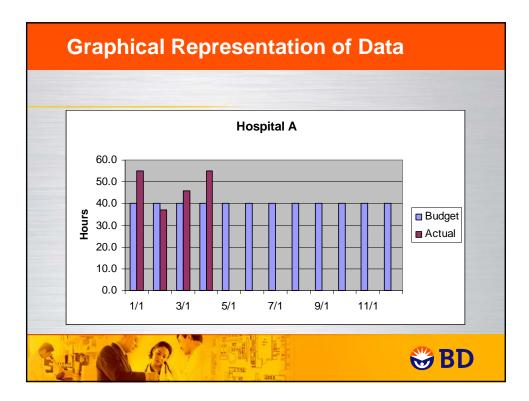
😸 BD

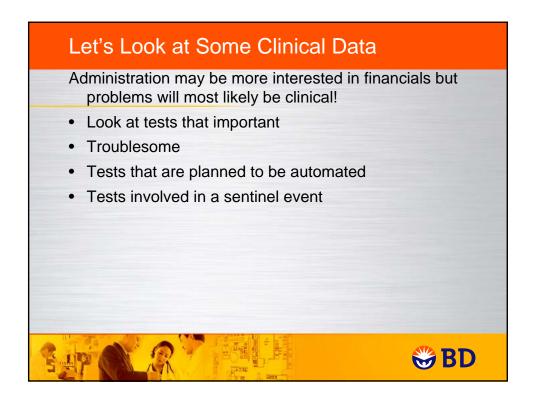
This is  $\frac{1}{2}$  of a page of over 1,000 pages of data!

1.10

					_								
Acc.#	Test	Colct Date	Colct Tim	Recv Date	Recv Time	Rslt Date	Rslt Time	Meth.	Evt	Acct #	Loc.	TestName	Resul
X445 82	UC	10/26/2 008	1:39:00 PM	10/26/2 008	7:00:00 PM	10/27/2 008	8:18:00 AM	MCW	OP	7532 208	MWE	CULTURE/ RESULT	NG1
X445 82	UC	10/26/2 008	1:39:00 PM	10/26/2 008	7:00:00 PM	10/28/2 008	2:19:00 PM	MCW	OP	7532 208	MWE	CULTURE/ RESULT	MIXC
X445 82	UC	10/26/2 008	1:39:00 PM	10/26/2 008	7:00:00 PM	10/28/2 008	2:19:00 PM	MCW	OP	7532 208	MWE	REPORT STATUS	FNL
X445 82	UC	10/26/2 008	1:39:00 PM	10/26/2 008	7:00:00 PM	10/26/2 008	7:09:00 PM		OP	7532 208	MWE	SPECIMEN	URN
X445 82	UC	10/26/2 008	1:39:00 PM	10/26/2 008	7:00:00 PM	10/26/2 008	7:09:00 PM		OP	7532 208	MWE	SPECIAL INFORMAT ION	NON N
M186 96	UAR	10/27/2 008	8:10:00 PM	10/27/2 008	8:17:00 PM	10/27/2 008	8:31:00 PM	IRIS	ER	7533 940	DEM	BACTERIA	PL1
M186 96	UAR	10/27/2 008	8:10:00 PM	10/27/2 008	8:17:00 PM	10/27/2 008	8:31:00 PM	IRIS	ER	7533 940	DEM	BILE,URIN E	NEG
M186 96	UAR	10/27/2	8:10:00 PM	10/27/2	8:17:00 PM	10/27/2 008	8:31:00 PM	IRIS	ER	7533 940	DEM	CLARITY:	CLDY

## **Excel Report Modified for Data Stratification** Overtime is selected to be studied OVERTIME 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Production Scheduling 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Target/Forecast 0.0 0.0 5.0 10.0 10.0 20.0 35.0 40.0 50.0 50.0 61.0 61.0 Actual 0.0 0.0 Logistics 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Target/Forecast 0.0 0.0 0.0 10.0 10.0 20.0 20.0 50.0 100.0 200.0 250.0 250.0 Actual 0.0 0.0 Order Processing 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Target/Forecast 0.0 0.0 20.0 30.0 40.0 50.0 100.0 200.0 300.0 350.0 400.0 450.0 Actual 0.0 0.0 20.0 40.0 80.0 120.0 Production Execution 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Target/Forecast 0.0 0.0 20.0 50.0 100.0 200.0 300.0 500.0 1000.0 1000.0 1500.0 2000.0 Actual 0.0 0.0 Inv. Mngmt 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 Target/Forecast 0.0 0.0 50.0 100.0 150.0 200.0 300.0 400.0 500.0 700.0 800.0 1000.0 Actual 0.0 0.0 70.0 140.0 🛞 BD 1.10 SIN





Test Data – Urine and Urine Cu	lture
v small slice of the entire data set - I ooking at	

-						ooking at	Hour	Total T
tatistics and drilling down to the busiest day								3
		-					1	1
0.00	D. 144	0.004					3	3
Coll-Rcv	Rcv-Vrfy	Coll-Vrfy					4	1
6:05:00	1:19:00	0:39:00		Coll-Rcv	Rcv-Vrfy	Coll-Vrfy	6	1
0:11:00	24:00:00	6:33:00	Mean	3:46	9:23	9:49	7	1
7:04:00	24:00:00	0:29:00					8	7
8:01:00	24:00:00	127:01:00	SD	9:04	20:46	4:34	9	18
2:01:00	24:00:00	8:05:00	70th	2:59	10:03	5:55	10	30
			80th	5:51	11:52	7:32	11	18
0:07:00	24:00:00	3:05:00	90th	10:10	14:34	10:30	12	24
0:16:00	0:44:00	0:33:00					13	13
0:02:00	24:01:00	2:33:00					14	15
0:06:00	24:01:00	0:40:00					15	13
0:33:00	0:28:00	2:30:00		323	3,265	1,623	16	10
0:59:00	24:01:00	0:21:00					17	14
				data points	data points	data points	19	8
11:55:00	0:18:00	2:08:00					20	2
6:23:00	145:20:00	2:36:00					21	2
0:29:00	24:01:00	0:31:00					22	8
0:14:00	0:16:00	4:24:00					23	3
							Total	205

