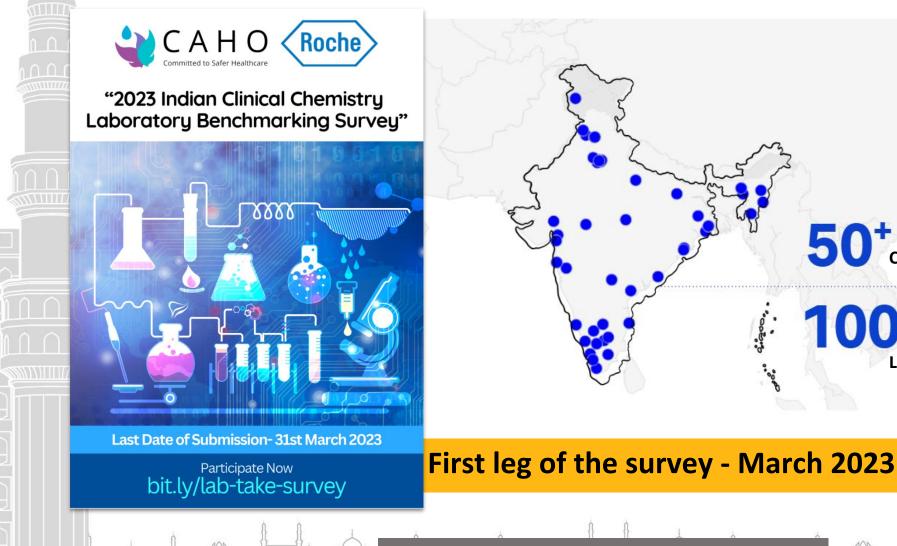


### Analysis of the 2023 Indian Clinical Chemistry **Benchmarking Survey**

Preliminary Data and analysis. Final report awaited





#### Thank you

50<sup>+</sup>Cities

LABS

Dr Venkatesh Thuppil, Dr. Vijay Agrawal, Dr. Lallu Joseph, Dr. Aparna Jairam, Dr. Seema Bhargava, Dr. Barnali Das, Dr. J Jayalakshmi, Dr. Reema Bahri, Dr. Bikash Chaudhury, Dr. Sakshi, many members of the CAHO fraternity





# Key Concept

Guide to answering questions:

Where is the lab today?
Where should it be?
Where do I want it to be?

Plan

Assess

Quality	Speed
Process	Productivity

LABORATORY SERVICES

**Perform and** 

**Result Test** 

Manage and

**Process Samples** 





**30 questions** 







## Indian laboratories today



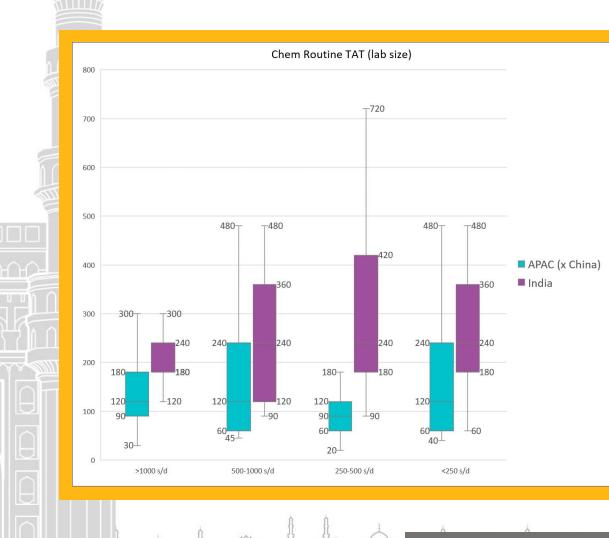
	Privat	e Labs	Hospit	al labs	University Hospital labs		
				Median Tests/		Median	
Size of Lab	Samples/day	Tests/day	Samples/day	day	Samples/ day	Tests/day	
(1) <250	200	700	163	270	210	1,150	
(2) 250-500	400	900	400	893	400	1,800	
(3) 500-1000	700	2,200	775	3,232	900	1,250	
(4) >1000	1,500	7,500	1,750	7,800	1,500	5,250	

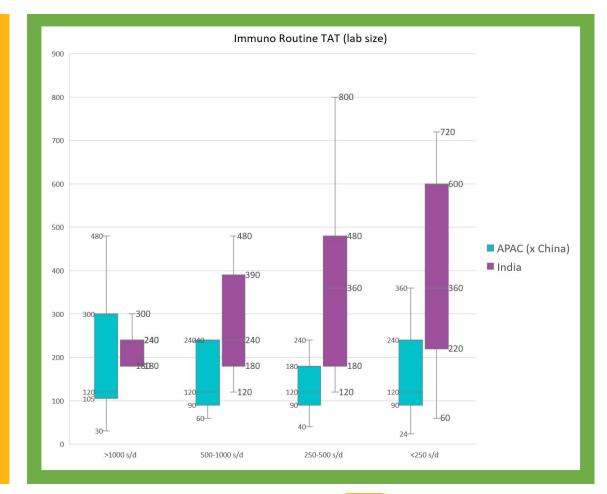
	Immuno Routine TAT (mins)					С	hem Routin	e TAT (mins	;)
Percentile	>1000 s/d	500-1000 s/d	250-500 s/d	<250 s/d		>1000 s/d	500-1000 s/d	250-500 s/d	<250 s/d
25th	180	180	180	220		180	120	180	180
Median	240	240	360	360		180	240	240	240
75th	240	390	480	600		240	360	420	360



## Comparing TAT across Lab size India & Asia Pacific









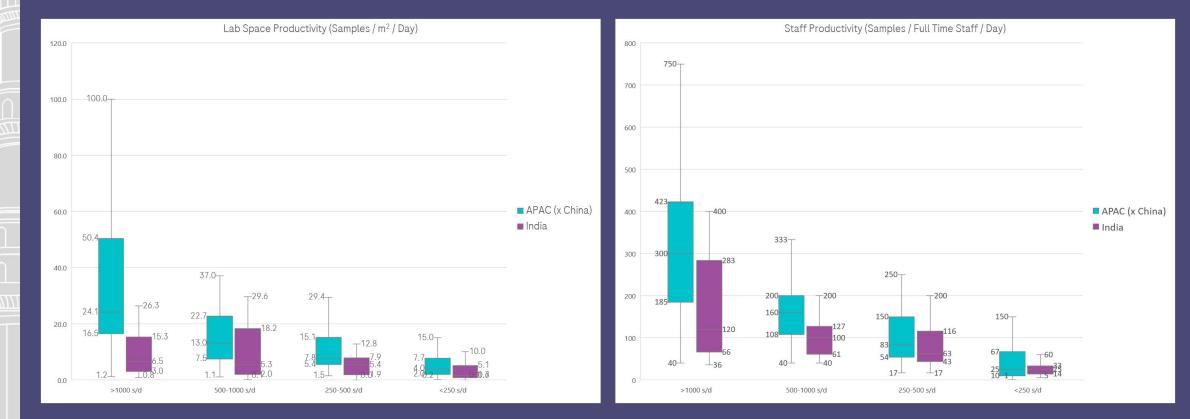


## Efficient and rational use of Resources



### Improve utilization of lab space

#### Manage Staff productivity







 $\Delta f$ 

### Leveraging Digitalization

Yes Plan to have No



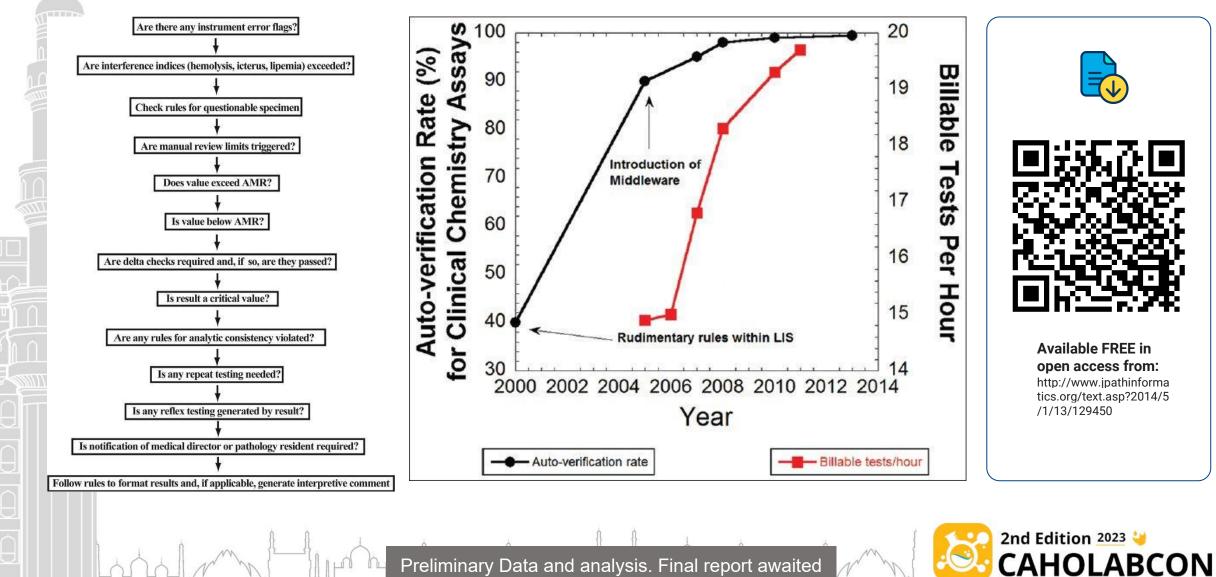
			E.	f.	T.		
n	Accounting/billing of tests		89%			<mark>0</mark> % 11%	
	TAT monitoring	nonitoring				7% 6%	
	Data export		81%			7% 12%	
	Generation of statistics reports		75%		4%	21%	
	Audit trail		72%		9%	19%	
	Critical result reporting		72%		7%	21%	
	Inventory management		71%		8%	21%	Ì
7	Sample tracking/archiving		71%		10%	19%	
	QC report and Statistics		60% 10%			30%	
	Real time TAT monitoring		56%	17%		27%	
	Patient result management	37%	21%		42%		
	Automatic validation of test results	35%	18%		47%		
	Smartphone notifications	35%	21%		44%		
	KPI dashboard	31%	23%		46%		
	Serum indices interpretation	25%	16%	5	59%		
	AI assisted clinical decision making	16% 17	7%	67%			
	LOINC code Management	<mark>3%</mark> 13%		84%			
	09	% 2	5% 50	) )%	75%	10	)





## Leveraging Digitalization







•



# Why Benchmarking?



- **Document the trends** of the laboratory Industry
- Provide a list of reference performance indicators across
  - Laboratory peer groups
- Provide National and International reference Statistics to
  - demonstrate achievements and help set goals
  - Identify areas for community development programs





## Thank you





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