

Medical Countermeasure Distribution and Dispensing Composite Measure

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Medical Countermeasure Distribution and Dispensing (MCMDD) Capability

- ❑ Mitigation of public health threat depends on the outcome of multiple processes**
- ❑ Goal of achieving countermeasure distribution requires:**
 - coordinated response between state and local jurisdictions**
 - cooperation of activities and performance at multiple levels**
- ❑ Need to improve collection of representative data and value of the existing indicators**

Capability Assessment

- ❑ **Previously defined by individual components**
 - **Technical Assistance Reviews, Drill Submissions, Exercise After Action Reports**
- ❑ **Limits to ability to apply data for collective assessment of distribution and dispensing functions at project areas and CRI levels**
- ❑ **Need to narrow gaps in performance at state and local levels, i.e. distribution and dispensing**
- ❑ **A composite measure improves collective assessment of functional activities and capabilities**

Countermeasure Response Composite Considerations

- ❑ Individual state and local indicators often insufficient to measure capabilities of PHEP-funded project areas**
- ❑ Multiple jurisdictions contribute to overall performance**
- ❑ Current assessment defined by planning and operational components**
- ❑ Be able to use existing indicators to define collective view of project area**
- ❑ Maintain ability to define and assess program level functions by jurisdictional planning levels**

Existing Tools and Measures

Technical Assistance Reviews

- **State (Distribution) and local/Cities Readiness Initiative (Dispensing)**
- **Annual requirement**

Drills

- **Eight (8) standardized tools**
- **Three (3) performed per planning jurisdiction**
- **Annual requirement**

Exercise

- **Distribution and Dispensing focus**
- **Annual requirement**

Programmatic Standards

- **Point of Dispensing (POD) Standard (2008)**
- **Annual application requirement**
- **Distribution Standards* new to 2011-2012**

* Release Date Summer 2011

Capability Assessment Tools

PHEP History

BP	TARs-Planning		Drills and Ex	Standards
	STATE	CRI/Local		
10 Ext	•Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL –3 Drills, Annual FE/FSE Dispensing	<i>Application Requirement</i>
	Benchmark 89	Benchmark 69		
10	Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL –3 Drills, Annual FE/FSE Dispensing	<i>Application Requirement</i>
	Benchmark 79	Benchmark - none		
9	Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL –3 Drills, Annual FE/ FSE Dispensing	<i>Application Requirement</i>
	Benchmark 69	Benchmark - none		

* Island Exercise is optional

** Release Date Summer 2011

Capability Assessment Tools

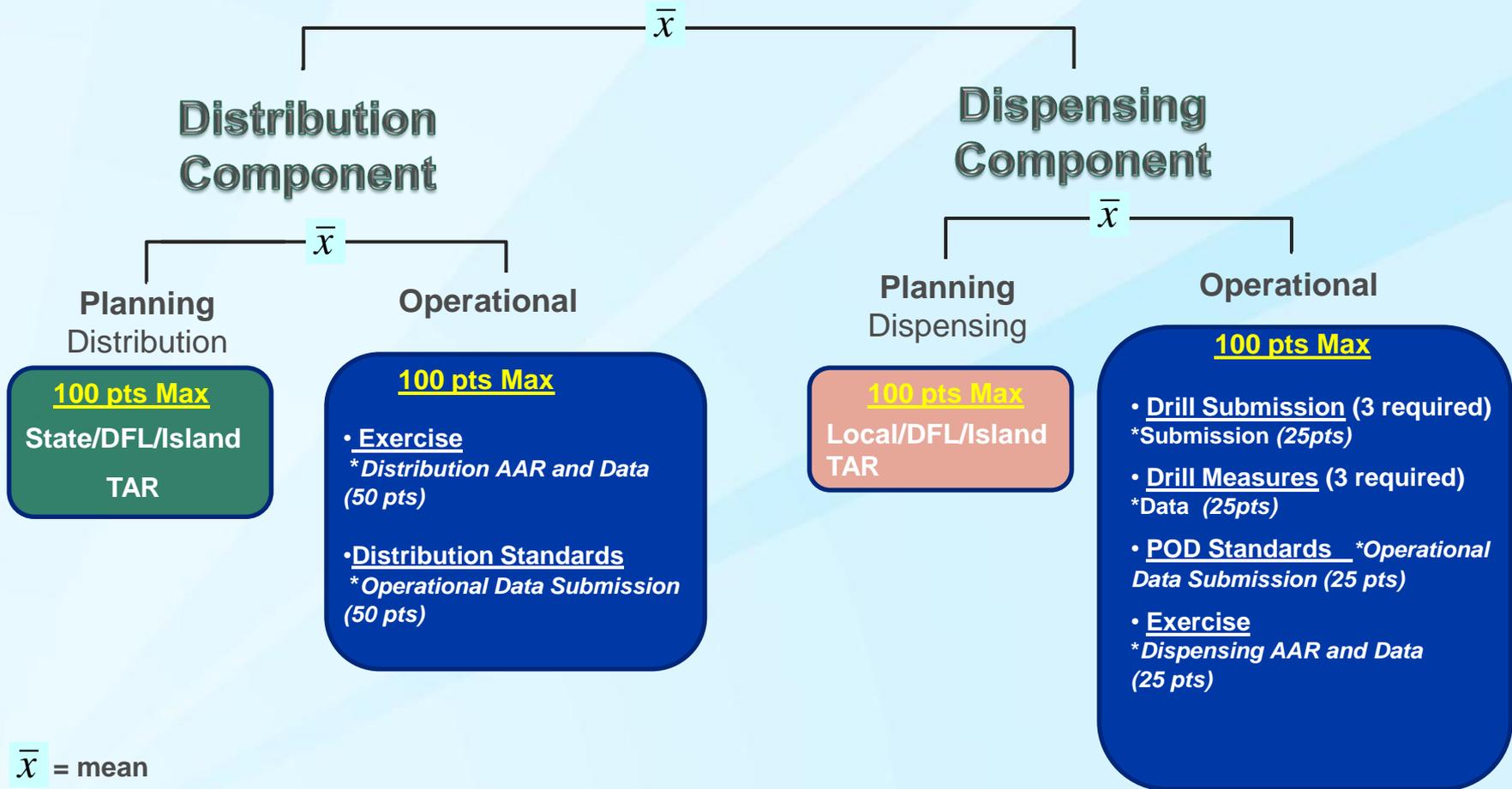
PHEP History

BP	TARs		Drills and Ex	Standards
	STATE	CRI/Local		
1	•Annual Requirement		State, 4 directly funded localities (DFL) –1 Distribution FSE in 5yrs CRI , DFL, Islands*– 3 Drills, 1 Dispensing FSE in 5 years	<i>Distribution Standards**</i> <i>-Data submission</i>
	Composite Benchmark	Composite Benchmark		
10 Ext	•Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL–3 Drills, Annual FE/FSE Dispensing	<i>Application Requirement</i>
	Benchmark 89	Benchmark 69		
10	Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL–3 Drills, Annual FE/FSE Dispensing	<i>Application Requirement</i>
	Benchmark 79	Benchmark - none		
9	Annual Requirements		State- Annual FE or FSE Distribution CRI , DFL–3 Drills, Annual FE/ FSE Dispensing	<i>Application Requirement</i>
	Benchmark 69	Benchmark - none		

* Island Exercise is optional

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Building a Countermeasure Response Capability Composite Indicator



Distribution Component

Dispensing Component

Planning
Distribution

Operational

Planning
Dispensing

Operational

100 pts Max
State/DFL/Island
TAR

100 pts Max

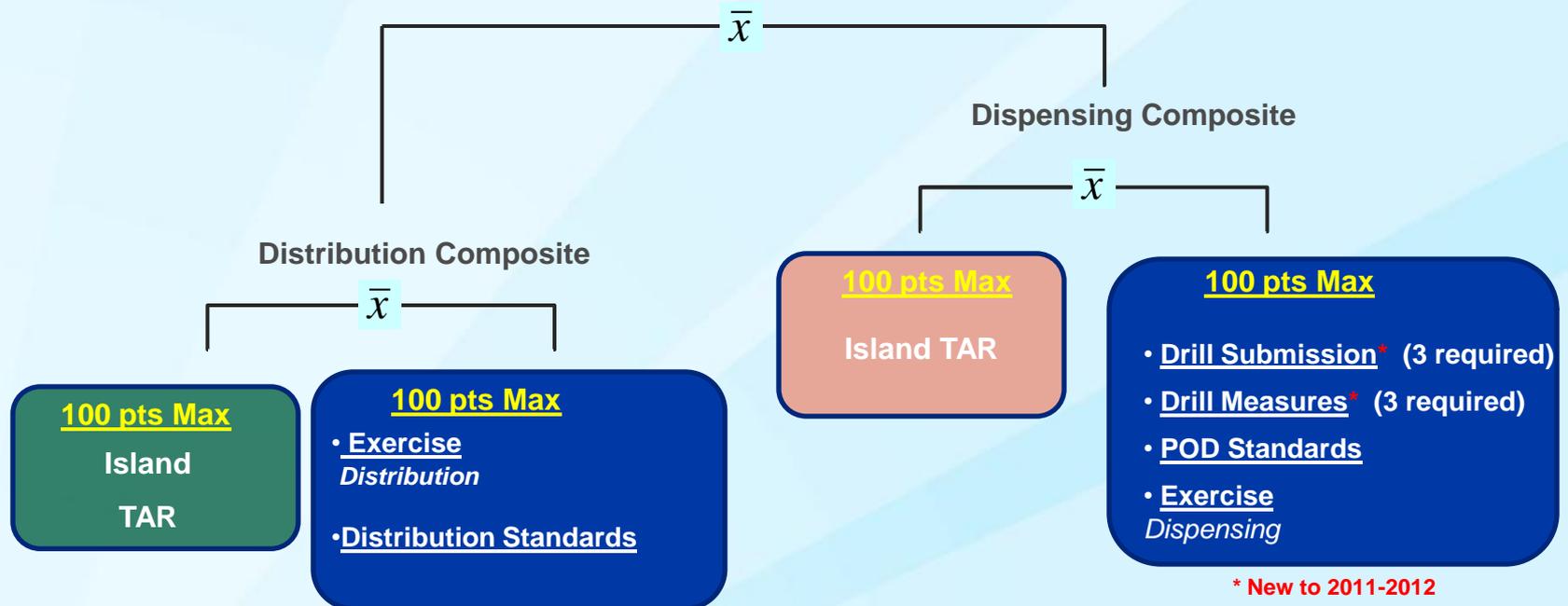
- Exercise
* *Distribution AAR and Data (50 pts)*
- Distribution Standards
* *Operational Data Submission (50 pts)*

100 pts Max
Local/DFL/Island
TAR

100 pts Max

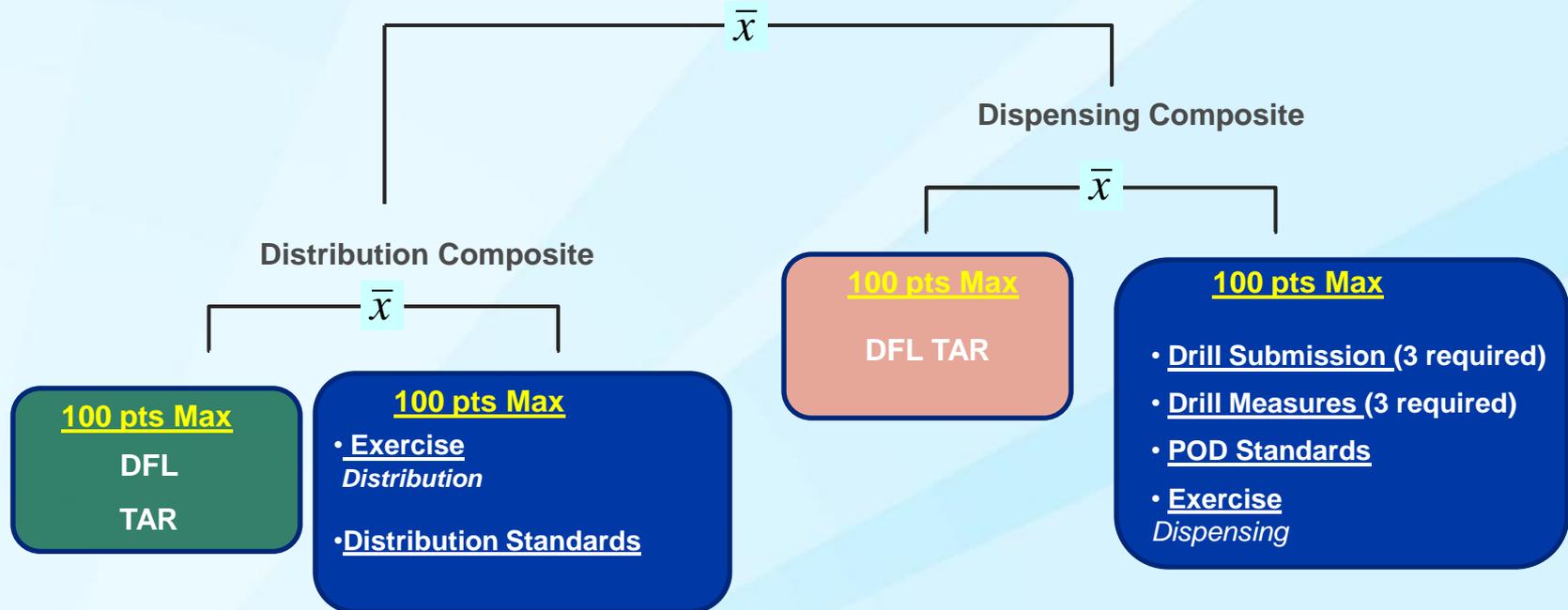
- Drill Submission (3 required)
* *Submission (25pts)*
- Drill Measures (3 required)
* *Data (25pts)*
- POD Standards **Operational Data Submission (25 pts)*
- Exercise
* *Dispensing AAR and Data (25 pts)*

Overall MCMDD Composite Measure Island/Territorial



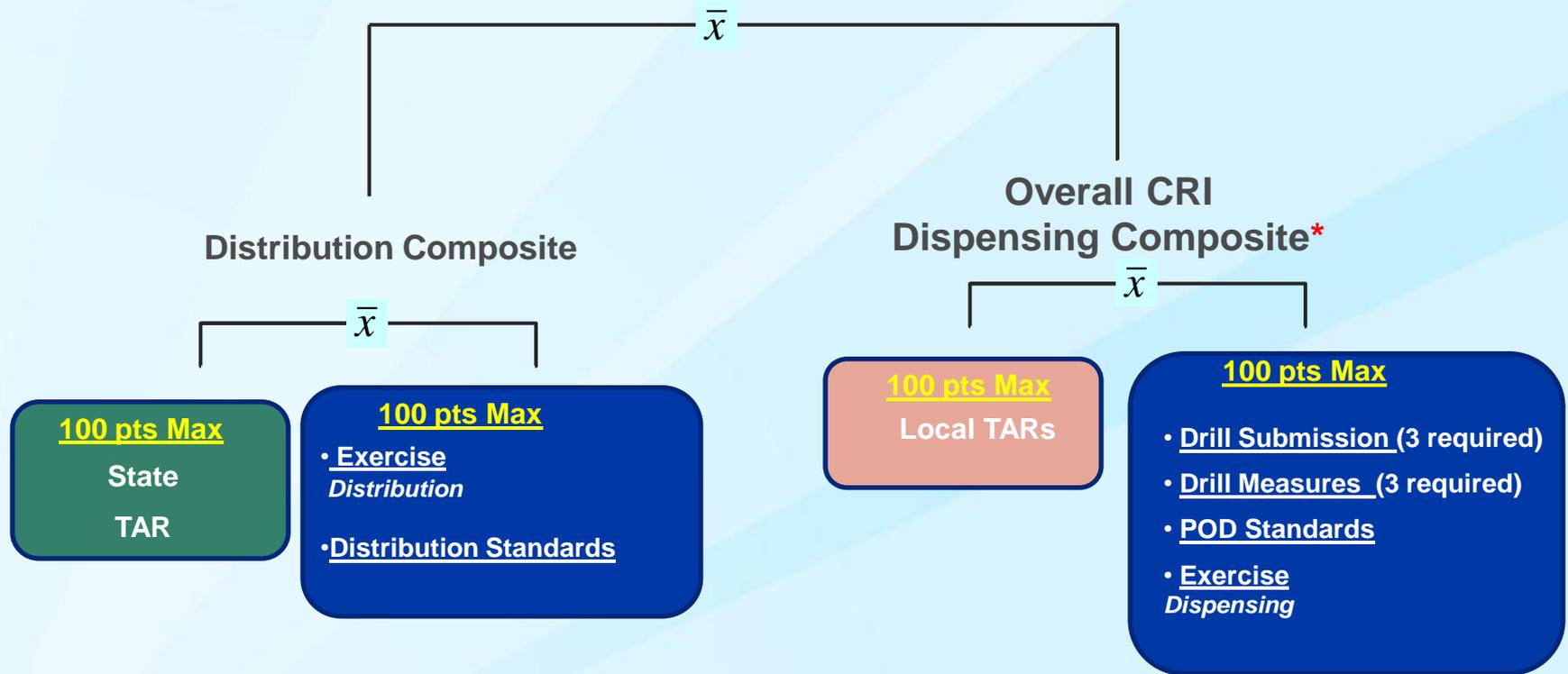
- Overall MCMDD Composite Benchmark BP1 = 25
- Minimum annual performance requirement for TAR and 3 drills
- All submitted activities will contribute to overall composite score
- Exercise performance is optional

Overall MCMDD Composite Measure Directly Funded Localities



- Overall MCMDD Composite Benchmark = 46
- Minimum annual performance requirement for TAR and 3 drills
- All submitted activities will contribute to overall composite score
- Exercise score credit maintained once performed

Overall MCMDD Composite Measure State



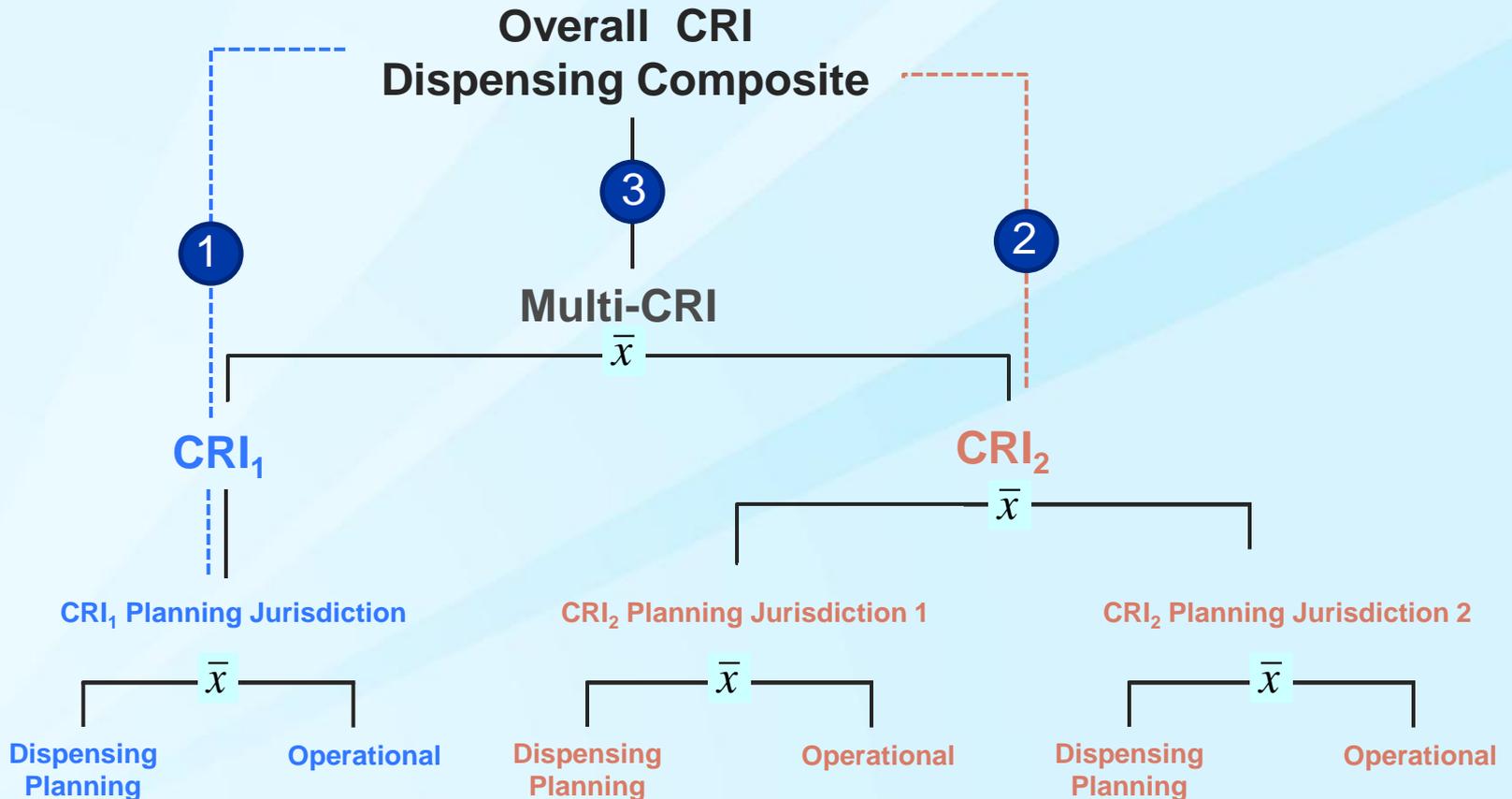
- Overall MCMDD Composite Benchmark = 43
- Minimum annual performance requirement for TAR and 3 drills per planning jurisdiction
- All submitted activities will contribute to overall composite score
- Exercise score credit maintained once performed
- An overall state composite score will only contains elements from jurisdictions within that state

* Public Health system dependent

Cities Readiness Initiative Areas

Dispensing Capabilities

- CRI areas are defined by single or multiple planning jurisdiction organization



STATE

Example

Composite Score Calculation
Based on minimum performance
of state and local TARs and drill
submission

Overall State MCMDD Composite
Score

$$\bar{x} = 49.5$$

State Composite = 39.5

State TAR = 79 •Distribution Standards (0)
•Exercise (0)

Local Composite = 59.5

CRI₁ Composite = 59.5

$$\bar{x} = 59.5$$

CRI_n Composite = 59.5

$$\bar{x} = 59.5$$

$$\bar{x} = 59.5$$

Local TAR_{1a} = 69 •Drill Submission (25)
•Drill Metrics (25)
•POD Standards (0)
•Exercise (0)

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•Drill Metrics (25)
•POD Standards (0)
•Exercise (0)

Local TAR_{1a} = 69 •Drill Submission (25)
•Drill Metrics (25)
•POD Standards (0)
•Exercise (0)

$$\bar{x} = \text{mean}$$

MCMDD Composite Strategy Benefits

- ❑ Realigns view of overall capability to match response expectations**
- ❑ Provides a collective assessment of dependent processes**
- ❑ Improves ability to identify gaps to better meet functional area needs**
- ❑ Allows for collection of standardized data to measure operational processes**
- ❑ Maintains ability to deconstruct performance down to individual jurisdictions**

MCMDD Composite Strategy Summary

- ❑ Provides a better representation of overall project area performance and capability**
- ❑ Includes contributions from distribution and dispensing**
- ❑ Utilizes existing performance expectations, measures and tools**
- ❑ Benchmarks established using existing PHEP requirements and thresholds**
- ❑ Exercise requirements aligned to assist in HSEEP* multiyear capability building process standards**

Questions?

For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



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