



# PT Workgroup Update & Motion Discussion

9/17/2020

## **MOTION #1: ACCREDITATION CATEGORIES FOR CANNABIS**

Accreditation of cannabis labs shall be in the following matrix categories: Flower, Intermediate Products and End Products.

Flower: Cannabis sp plant material. Not altered or extracted.

Intermediate Products: Cannabis concentrate or cannabis-infused product that must be or are intended to be converted further to an end product.

End Products: A refined Cannabis product that must not or is not intended to receive further processing prior to retail sale.



Previous Concerns about the motion

# Change in # of required PTs

## Currently for WSLCB

- 2 per Field of Testing
- No specificity on the matrix the PT must be in
  - Allows labs to choose which PT is *easiest*
  - No information that a lab is capable across entire scope of cannabis products
- **Minimum number of PTs: 18 for a Full Service Cannabis Laboratory**

## Under Ecology

- Micro: 1 per year per parameter
- Chemistry: 2 per year per parameter
  - However, upon successful analysis of 2 without a failure, only 1 is required until a failure occurs
- **Minimum number of PTs: 26 for a Full Service Cannabis Laboratory in year one then as few as 14 ongoing**

# What PT options are currently available?

## Cannabis Flower

- There is a Hemp PT for all required Fields of Testing
  - Including Terpenes and non-required Cannabinoids

## Intermediate Products

- There is a Hemp Oil PT available for all required Fields of Testing
  - Including Metals, Pesticides
- Potency in Olive and MCT Oil

## End Products

- Potency in Chocolate, Beverages, Gummy, Hard Candy, "Edible"
  - CBD only in a Topical
- Some (not all) of the Micro analytes in Chocolate and "Edible"
- Mycotoxins and Residual Solvents in Gummy

# Matrix, Commodity/Commodity Group

## Matrix

- Used by accreditation to differentiate a lab's capability within a method across dissimilar items
- Such as
  - Water
  - Soil
  - Air

## Commodity/

## Commodity Group

- Used by laboratories to validate pesticide performance based-methods across dissimilar items
- Such as
  - Citrus Fruit (Commodity Group)
    - Oranges, Lemons, Limes, etc. (Commodity)

# Product Standards, Lab Quality Standards & Accreditation Standards



## Product Standards

Defines acceptable product content



## Laboratory Quality Standards

Defines test methods, method validation, and performance measures

- ▶ Used by labs to test products to product standards
- ▶ Used for accreditation to verify laboratory competence



## Accreditation Standards

Defines procedural accreditation practices



Why is this motion necessary?



# Accreditation and Data users

- Having matrix categories makes PT results more meaningful
- Provides Auditors with more comprehensive information to guide accreditation decisions
- Provides laboratories better feedback for method refinement
- Provides Consumers with confidence in product label claims

# Matches what are other States doing with Cannabis matrices

## Oregon

- Phenova PT provided
- Cannabis Flower is placed into Tissue
- All other cannabis products are placed into Solid and Chemical Materials

## Colorado

- 3 matrices
  - Flower, Solvents, Edibles
  - State agency provides potency PTs in the 3 matrices
- Method validation must be in at least two matrix types
- Matrix Extension for novel products

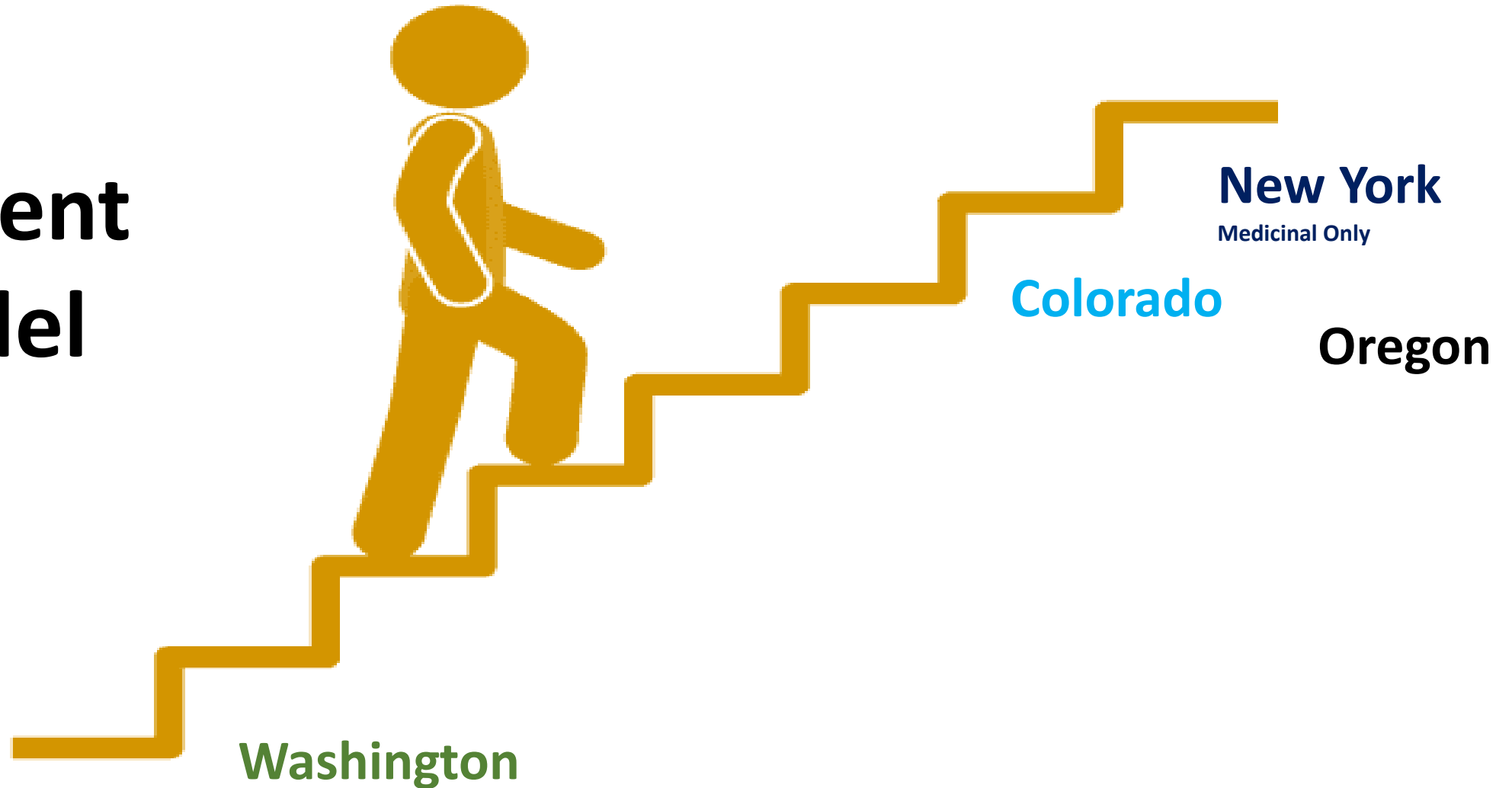
## New York

### (Medical only)

- Labs analyze the commercially available PTs.
- All Medical Cannabis is in its own Matrix: Medical Marijuana
- Labs are required to use ELAP developed cannabis methods

# Matrix Categories Framework Help Enable Better Decisions on Competency

**Current  
Model**



# Matrix Categories Framework Help Enable Better Decisions on Competency

**Future  
Model**



**Colorado**

**Washington**

**New York**  
Medicinal Only

**Oregon**

# Why the matrix definitions are where they are

- Representative of all products seen in the market
- Captures the analytical differences between the matrices
- Fits within both the LCB required product testing and Ecology's Accreditation Model

# Intent of the motion

- The motion would establish the matrices labs would be required to analyze PTs in
- Would not eliminate/replace required Fields of Testing
  - But would add categories within them to capture a more complete assessment of a labs capabilities within a Field of Testing
- Labs will likely be running more PTs initially
  - However, that number could come down if they continue to pass the PTs



Questions?