WIOA Title II Statistical Adjustment Model

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Agenda

Learning Objectives

Statistical Adjustment Model Basics

Data Used for the Models

Understanding the Assessment Process

Data Quality and Impact on Assessment Process

Statistical Adjustment Model Resources

Q & A

Participants Will Understand

- How the assessment process and statistical adjustment work.
- Which NRS tables are used in the model.
- Which participant and state characteristics are used in the model.

Performance Indicators

Measurable Skill Gains (MSG)

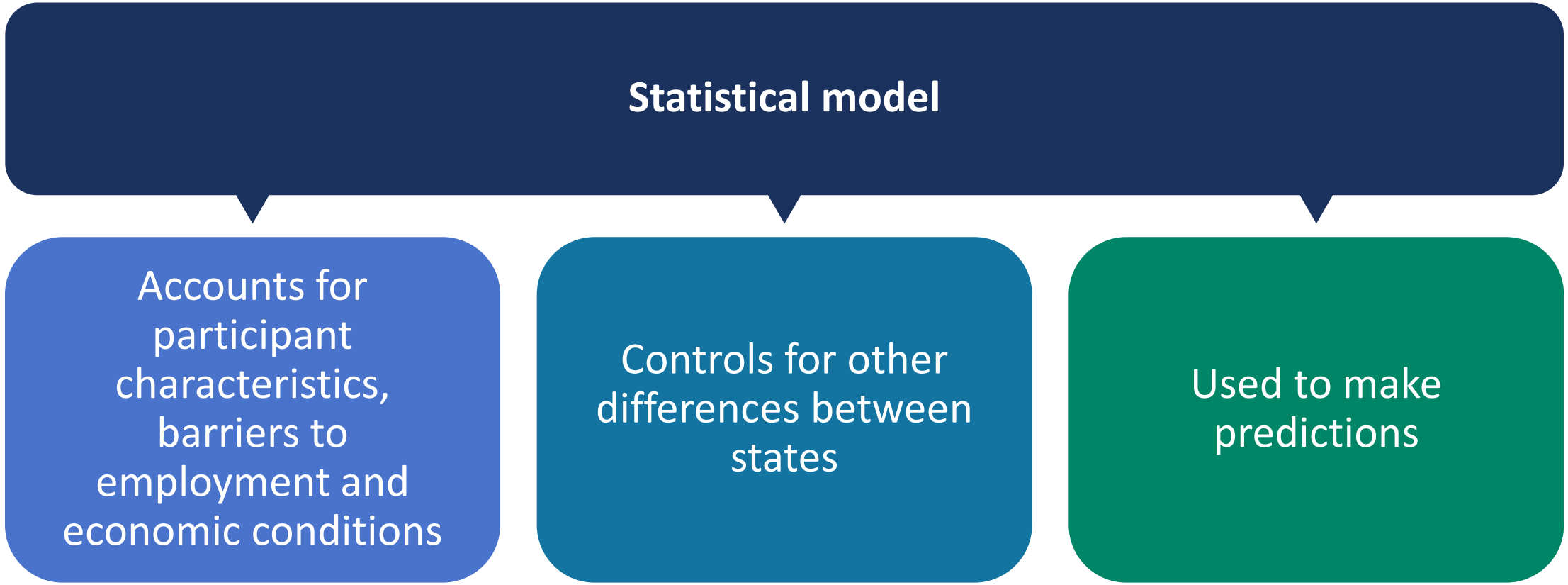
Employment Rate Second Quarter After Exit (Q2)

Median Earnings Second Quarter After Exit

Employment Rate Fourth Quarter After Exit (Q4)

Credential Attainment Rate

Statistical Adjustment Model Basics: Conceptual Understanding



Poll

The Statistical Adjustment Model:

a. Accounts for participant characteristics, barriers to employment, and economic conditions.
b. Controls for other differences between states.
c. Makes predictions.
d. All of the above.

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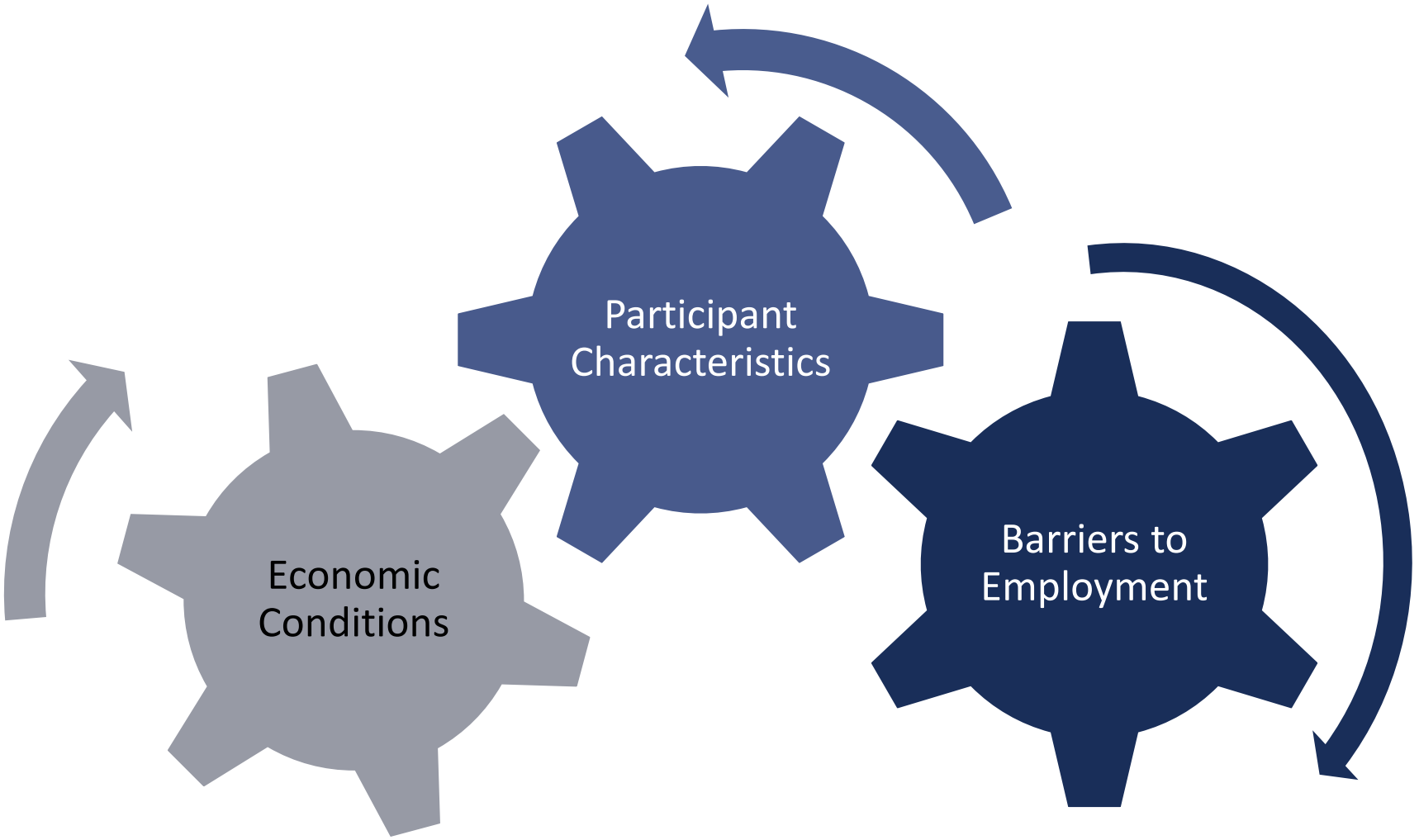
Predicting Performance Indicators

Actual Value

Predicted Value

Statistical Adjustment Model Basics: High-Level Overview of Data



Current Data Used for Models

Statewide Performance Report	Table 1	Table 2	Table 6
Barriers to employment (all except English language learners/low levels of literacy and youth in foster care) Measurable skill gains rate Employment rate (Q2) Median earnings Employment rate (Q4) Credential attainment rate	ABE levels 1-6 ESL levels 1-6	Age groups (all) Race/ethnicity (all) Sex	Employment status at entry into program Educational attainment at entry into program

Poll

Which NRS tables are used in the statistical adjustment model?

a. 1, 2, 6, and SPR.
b. 1 and 2 only.
c. None of the above.

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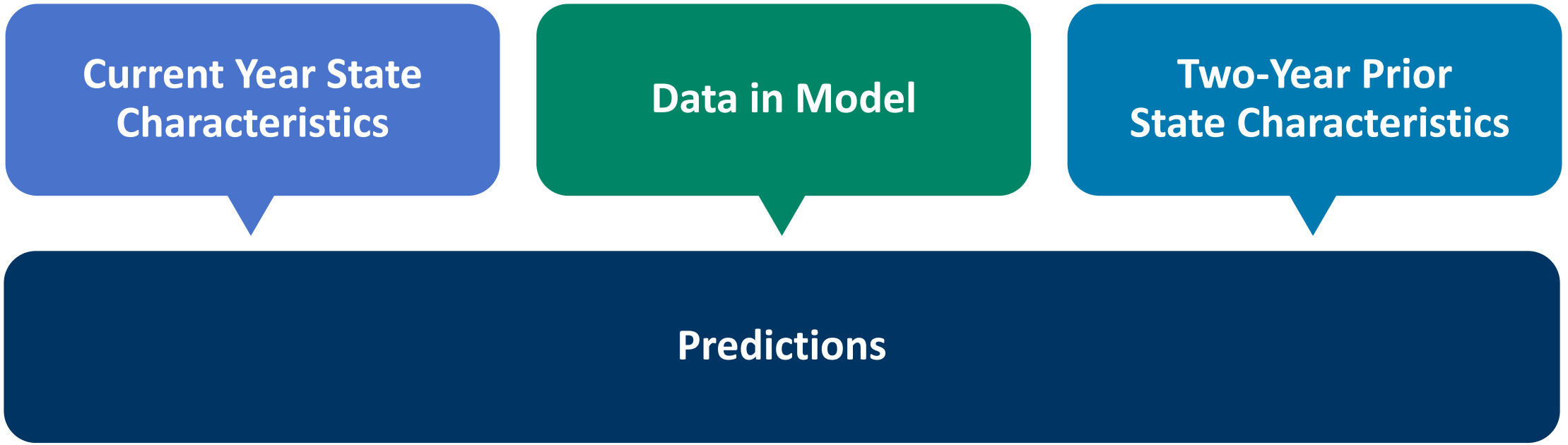
Statistical Adjustment Model Basics: Making Predictions

Predictions of performance indicators are based on:

- State characteristics for a particular year.
- Estimates of the relationship between each state characteristic and the performance indicator (statistical model).

Understanding the Assessment Process



Types of Predictions for Assessment

Prediction based on two-year prior state characteristics: use the model to predict data that is part of the model estimation.

Prediction based on current year state characteristics: use the model to predict data it's never seen before.

Understanding Adjustment Factors

$Estimate_1$

Prediction based on current year state characteristics

Most current PY participant characteristics, barriers to employment, and economic conditions (e.g., PY 2024)

$Estimate_0$

Prediction based on two-year prior state characteristics

Two-year prior PY participant characteristics, barriers to employment, and economic conditions (e.g., PY 2022)

Adjustment Factor = $Estimate_1$ - $Estimate_0$

Data and Assessment

State characteristics — two years prior vs. current year.

- Affects adjustment factors.

State characteristics and performance indicators — all years.

- Affects model estimation used for prediction.

Assessment Score

Data Reporting and Accuracy

- Large increases in some variables
- Large decreases in some variables

Data Quality and Impact on Assessment Process

Variable	Two-year prior reported value	Current year reported value	Adjustment	Percentage point change	Percent change
Individuals with disabilities	3%	12%	3% ↓	9	300% ↑
Homeless	0.97% (<1%)	6%	4% ↓	5	519% ↑

Estimate$_0$ (Pre-PY 2024 Predicted Outcome)	Estimate$_1$ (Post-PY 2024 Predicted Outcome)	Adjustment Factor
56.98%	60.24%	**3.26%**

Model Variable Estimates

Variable Type	Variable	Coefficient	PY Prior	PY Actual	Variable Estimate$_0$	Variable Estimate$_1$	Adjustment
	Age 19 to 24	0.678	0.1755	0.1952	11.90%	13.24%	**1.340%**
	Age 25 to 44	-0.287	0.4399	0.4295	-12.61%	-12.31%	**0.300%**
	Age 45 and up	-0.400	0.1807	0.1868	-7.23%	-7.47%	**-0.240%**
	Individuals with disabilities	-0.146	0.0524	0.0540	-0.76%	-0.79%	**-0.020%**
	Male	0.505	0.4514	0.4433	22.79%	22.39%	**-0.400%**
	Race: American Indian or Alaskan Native or Two or More Races	0.208	0.0278	0.0313	0.58%	0.65%	**0.070%**

Sum of variable level adjustments = Overall adjustment factor

Accurate reporting is important for ALL NRS tables!

NRS Resources Review

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The Statistical Modeling Tool available on the NRS website is used for:

a. Negotiations.
b. Assessment.

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State Performance Assessment

State-level analysis:

https://www.dol.gov/agencies/eta/performance/results/assessments

- Scroll down and toggle to your state.
- Select the *Adult Education* tab.
- Select the *Model Data Tables* tab.

Upcoming Meetings

Shop Talk — tomorrow, May 14, 2026 (9 a.m. and 2 p.m. EST).

Statistical Adjustment Model Office Hours — next week!

- State-specific questions.
- Technical questions.

QUESTIONS?

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THANK YOU!

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