Person-Centered Budget Algorithm (PCBA) Development

Technical Advisory Group (TAG) Meeting I

August 25, 2020

Our Mission

Improving health care access and outcomes for the **people** we serve while demonstrating sound stewardship of financial **resources**

Agenda

Introductions

Background

Role of Stakeholders

Project Overview and Timeline

Model Development Workflow and Process

Discussion and Feedback

Next Steps

Introductions
Health Care Policy & Financing (HCPF)

- Office of Community Living (OCL)

  - Bonnie Silva, Office Director

  - Amanda Lofgren, Case Management & Quality Performance Division Director

  - Michelle Topkoff, Entry Point & Case Management Manager

  - Tasia Sinn, Senior Policy Advisor

  - Lauren Swenson, Assessment & Support Plan Policy Coordinator

  - Ben Hoppin, Operations Coordinator

  - Lori Thompson, HCBS Policy Advisor

Introductions
Technical Advisory Group (TAG) Members

- Your Name

- Your Background and/or Affiliation

- Why are you interested in participating in the TAG?

Introductions
Optumas

- Project Team
  - ➤ Steve Schramm, Founder and Managing Director
  - ➤ Meg Frenzen, Sr. Consultant
  - ➤ Martin McNamara, Actuarial Consultant
  - ➤ Tomas Abrate, Informatics Analyst
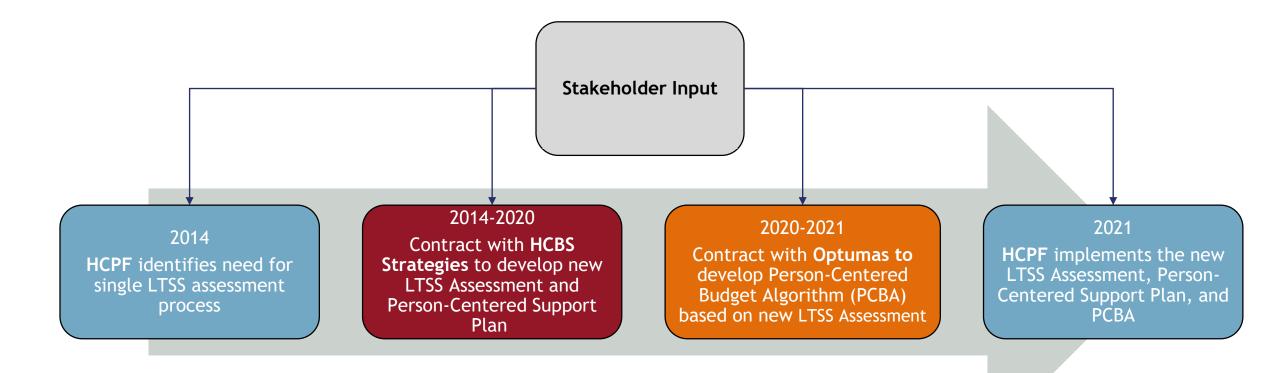 - ➤ Additional Supporting Staff

Why a Person-Centered Budget Algorithm (PCBA)?

- Important aspect of making sure people get the right services, at the right time, in the right place

- Objective method for assigning resources versus relying strictly on case manager's subjective judgement

- Based on new Long-Term Services and Supports Assessment, with much more information

- Department priority to get it right – working closely with stakeholders and staff on teams across the offices

Background
How did we get here and where are we going?

Stakeholder Input

2014
HCPF identifies need for single LTSS assessment process

2014-2020
Contract with **HCBS Strategies** to develop new LTSS Assessment and Person-Centered Support Plan

2020-2021
Contract with **Optumas to** develop Person-Centered Budget Algorithm (PCBA) based on new LTSS Assessment

2021
HCPF implements the new LTSS Assessment, Person-Centered Support Plan, and PCBA

Background
What is a Person-Centered Budget Algorithm (PCBA)?

- Person-Centered Budget Algorithm (PCBA) for Health First Colorado Home and Community-Based Services (HCBS) waiver programs

- Assessment-informed, objective, prospective budget methodology
  - ➢ Utilized in over 30 states

- *Not* the sole determinant of resource need, rather a tool in the person-centered planning toolbox

Stakeholder Engagement

- We are committed to robust and thoughtful stakeholder engagement throughout development and implementation
- All interested stakeholders will have the opportunity to participate in PCBA development

Technical Advisory Group (TAG)	Statewide Forums
- Selected applicants - Technical - Detail-oriented - Focused on statistical foundations - Less review of previous work	- Open to all stakeholders - Information tailored to a broader audience - No prior knowledge assumed - Comprehensive review of previous and current PCBA work

Clinical Hypothetical Overview

- Study to test how well assumptions in the PCBA align with a member's assessed needs

- Study participants will independently review de-identified assessment data and rank order members based on assessed needs

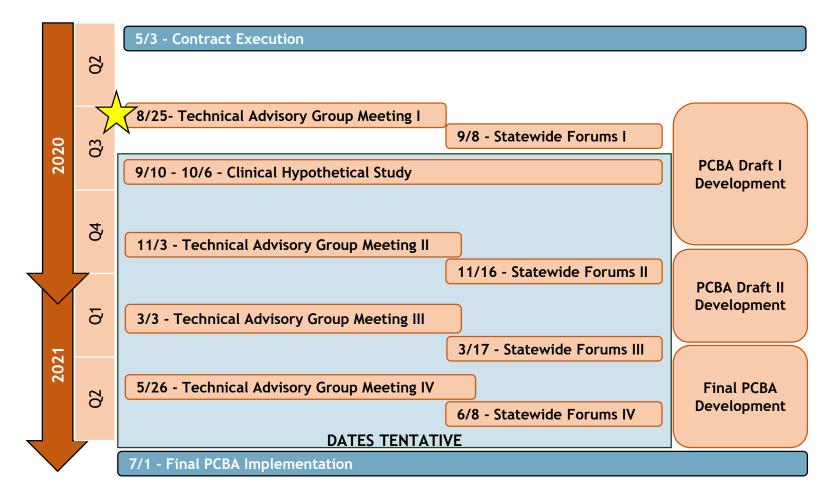- Conducted with groups of people who have experience serving members

Project Overview

- How is a Person-Centered Budget Algorithm developed?
  - ➢ Look at <u>relationships</u> between member characteristics and services used
  - ➢ Group similar members to identify <u>patterns</u>
  - ➢ Algorithm will use those patterns to <u>predict</u> a range of future service needs

PCBA Development Timeline

2020

Q2 5/3 - Contract Execution

Q3 8/25- Technical Advisory Group Meeting I

9/8 - Statewide Forums I

9/10 – 10/6 – Clinical Hypothetical Study

PCBA Draft I Development

Q4 11/3 - Technical Advisory Group Meeting II

11/16 - Statewide Forums II

2021

Q1 3/3 - Technical Advisory Group Meeting III

3/17 - Statewide Forums III

PCBA Draft II Development

Q2 5/26 - Technical Advisory Group Meeting IV

6/8 - Statewide Forums IV

Final PCBA Development

DATES TENTATIVE

7/1 - Final PCBA Implementation

Model Development Process

1. Start-up
2. Data Validation
3. Variable Identification
4. Statistical Modeling
5. Model Output
6. Model Confirmation
7. Model Iterations
8. Stakeholder Engagement Throughout

Model Development Process

1. Start-up
   - ➢ Conduct broad examination of published literature
   - ➢ Data inventory
   - ➢ Complete detailed examination of assessment tools
   - ➢ Operational considerations
   - ➢ Incorporate stakeholder input/feedback

Model Development Process

2. Data Validation

   ➢ Establish baseline assessment data structure and quality

3. Variable Identification

   ➢ Utilize staff expertise for variable identification

   ➢ Conduct statistical analyses to identify key variables

   ➢ Determine variable distributions

   ➢ Incorporate stakeholder input/feedback

Model Development Process

4. Statistical Modeling
   - Determine model structure
   - Incorporate stakeholder input/feedback

5. Model Output
   - Review variables results for statistical significance
   - Determine goodness of fit
   - Examine appropriateness of coefficient directional relationships

Model Development Process

6. Model Confirmation
   - ➢ Evaluate against validation sample
   - ➢ Compare model output to Clinical Hypothetical results
7. Model Iterations
   - ➢ Repeat as necessary
   - ➢ Additional data
   - ➢ Incorporate additional stakeholder input/feedback

Discussion

Discussion

Is there any stage of the Model Development Process you would like to hear more about?

Discussion

What components unique to Colorado should be considered with respect to:

- Program Design
- Population
- Services
- Delivery Network

Discussion

Critical Questions on Resource Needs

- What types of needs, both behavioral and living skills, require staff time to support?

- How do those needs compare in the amount of resources they need for support?

- What are the needs that would require the greatest resources to support?

Areas to Consider

- Functioning
- Social and communication
- Personal and community living
- Cognition
- Behaviors
- Health

Discussion

What questions would you like answered over the next year (during development of the PCBA model)?

Discussion

- What is the most important information you heard today that should be shared with a broader audience?

- What information do you feel was missing that we should be sure to include during the Statewide Forums?

On a scale from 1-5, how confident do you feel in your understanding of the PCBA development process?

Poor — 1

2

Fair — 3

4

Excellent — 5

Next Steps

- Summarized and de-identified meeting minutes will be distributed

- Utilize feedback to continue model development

- Upcoming Meetings:
  - Statewide Forums – September 10, 2020 (tentative)
  - TAG Meeting II – November 3, 2020 (tentative)

- Visit new web page!
  https://www.colorado.gov/hcpf/person-centered-budget-algorithm-pcba

Thank you, Lauren!!

Questions?

Contact Information

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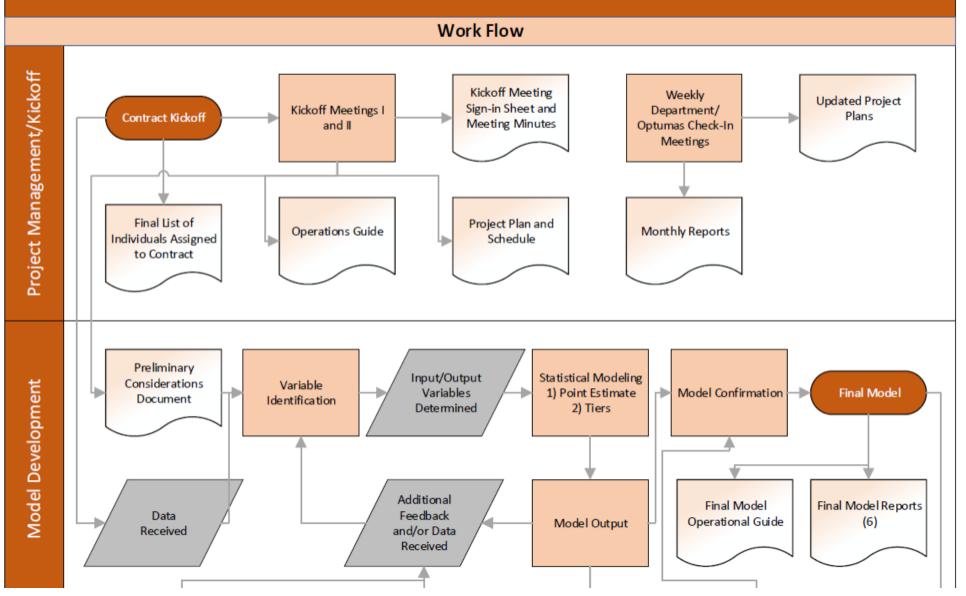# Thank you!

Appendix

Model Development Workflow

All TAG members should have received "CO PCBA Workflow.pdf" before the meeting

- Process Workflow diagram includes Optumas deliverables

- Provides background on approach to model development

Colorado Person Centered Budget Algorithm (PCBA)