Optumas Analytics
Episode of Care Analysis

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Background

Episode of care analysis is a powerful tool for identifying opportunity to **reduce costs and improve outcomes** in the delivery system.

Working with Signify Health, Optumas developed a version of the Signify episode of care grouper.
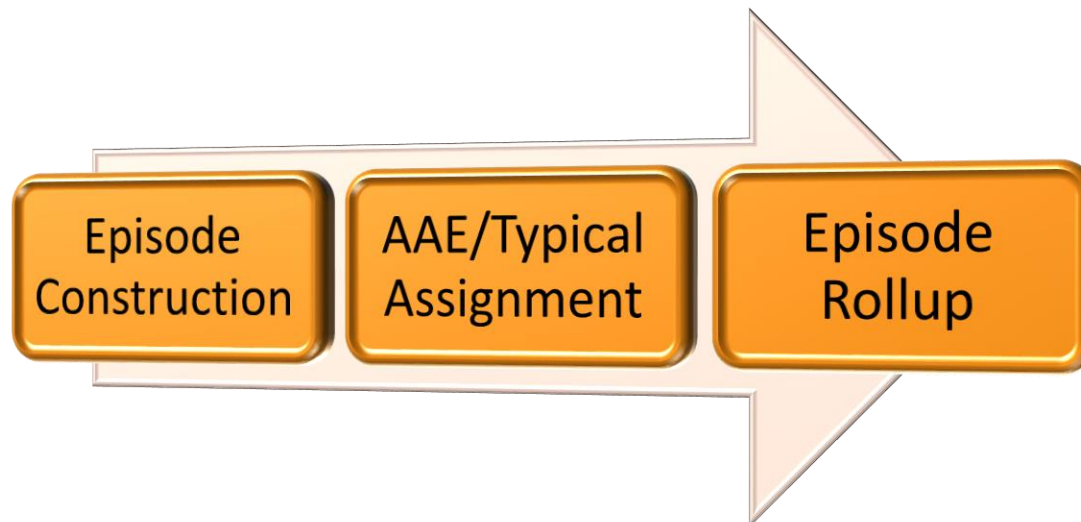
Signify is partnering with Optumas to provide clinical support and business rules for the tool while Optumas provides technical support, data processing, and downstream analytics using the tools outputs.

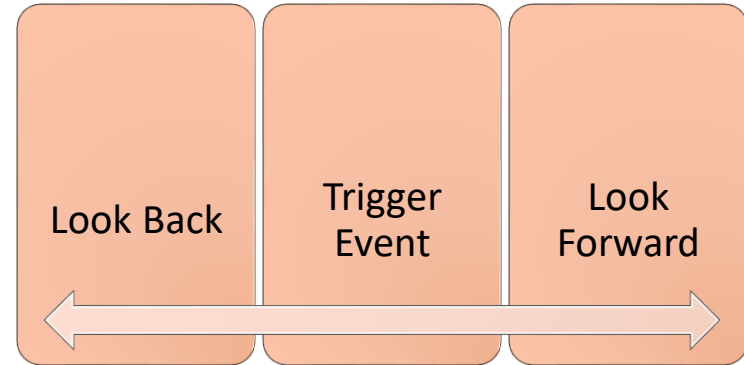OPTUMAS

Episode Analysis Overview

Episode of care analysis has three primary components. They include:
- **Episode construction:** Episodes are triggered, and all clinically relevant services are associated with the episode.
- **Adverse Actionable Events (AAE) and Typical Care:** the clinically relevant services for each episode are flagged as either an AAE, or typical care.
- **Episode 'Roll Up":** Relationships between different episodes are established to allow for two different types of cost aggregation.

Episode Construction | AAE/Typical Assignment | Episode Rollup

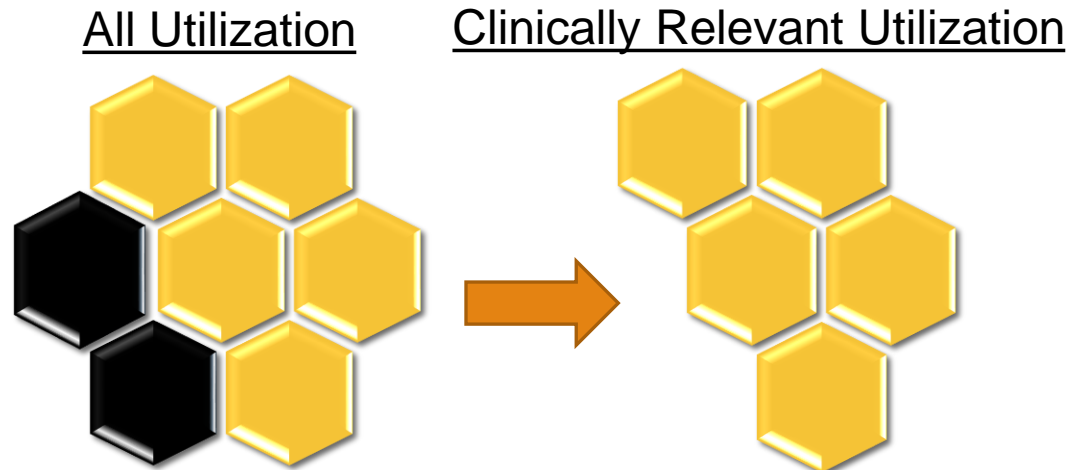Care Improvement

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Opportunity Tool

Episode Construction

Episode construction begins when a qualifying procedure code/diagnosis code combination is identified that can trigger an episode.

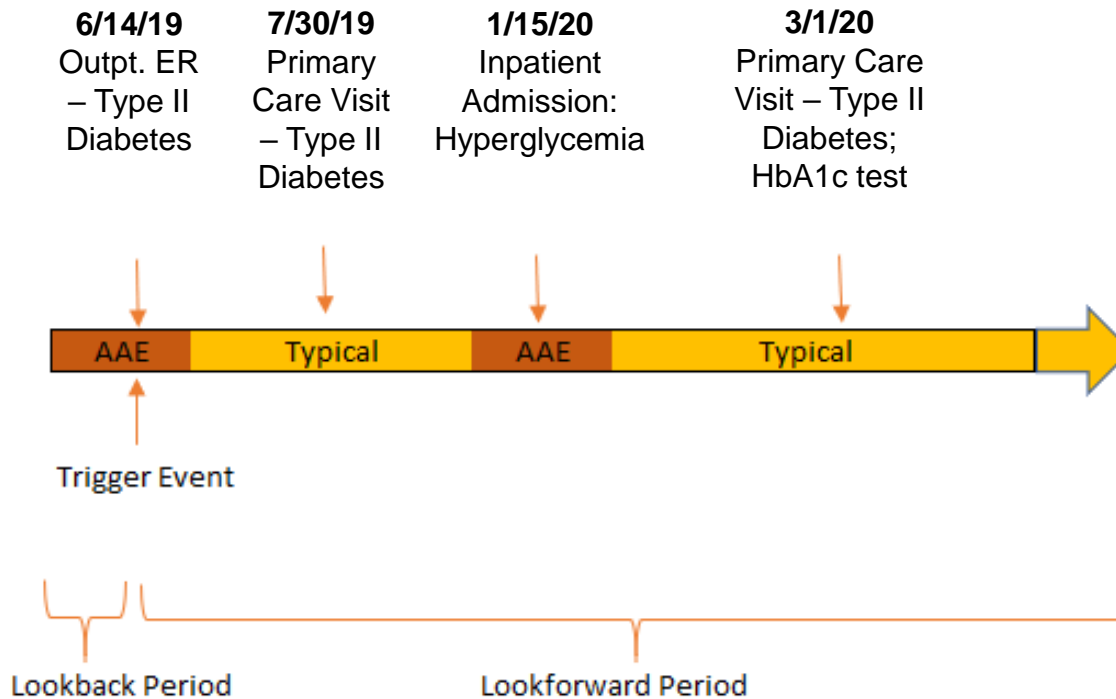| Look Back	Trigger Event	Look Forward

An episode-specific time period around the trigger event is established.

Within that time period, services that are clinically relevant to the episode are isolated.

All Utilization → Clinically Relevant Utilization

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Care Improvement Opportunity Tool

Episode of Care Example: Diabetes

6/14/19
Outpt. ER – Type II Diabetes

7/30/19
Primary Care Visit – Type II Diabetes

1/15/20
Inpatient Admission: Hyperglycemia

3/1/20
Primary Care Visit – Type II Diabetes; HbA1c test

AAE | Typical | AAE | Typical

Trigger Event

Lookback Period   Lookforward Period

Note: pharmacy utilization within the episode is considered typical care

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