

Facilitators	Barriers	Adaptations to strategies	Process/Suggestions	Implementation Effectiveness
Funding	Funding	Service delivery	Data collection/tracking	Routine Practice
Staff/Personnel	Staff/ Personnel	Increase [Grandchild code of Service Delivery]		
Community Context)	Community context	Decrease/discontinuation [Grandchild code of Service Delivery]		
Policy	Policy	No change [Grandchild code of Service Delivery]		
Resources/ infrastructure	Resources/ infrastructure	Strategy change		
		Responding to community needs		

Aims:

1. Identify the main factors that facilitate the sustainability of MOUD and OEND strategies after the HCS intervention period, including HCS factors.
2. Identify the main barriers to sustainability of MOUD and OEND strategies after the HCS intervention period, including HCS factors. str
3. Examine factors that are context specific (Sector, Venue, Menu).

General Coding Guidance:

1. Sections within the OEND master file that discuss MOUD strategies should be left blank. Sections within the MOUD master file that discuss OEND strategies should be left blank.
 - a. Exception: If a passage discusses a strategy that was an integration of MOUD and OEND (i.e. MOUD providers also offer Naloxone to patients).

Facilitators [Parent Code]	Definition: Statements identifying factors that facilitated sustainability of HCS strategies after the end of the intervention period.
Funding [Child Code]	<u>Definition:</u> Descriptions of the ways that financial resources and/or potential grant funding facilitates strategy sustainment. <u>Inclusion criteria:</u> <ul style="list-style-type: none"> • Include statements about successes in identifying and applying for potential funding sources. • Include statements about securing funding to sustain strategies. <u>Exclusion Criteria:</u> <ul style="list-style-type: none"> • Exclude statements about how HCS funding facilitated strategy implementation during the intervention. <u>Double Coding example:</u> <ul style="list-style-type: none"> • Double code Facilitators-Funding with Barriers-Funding if statements about how funding presents both barriers and facilitators to maintenance are intertwined.
Staff/Personnel [Child Code]	<u>Definition:</u> Descriptions of the ways that individuals and specific roles within programs and organizations facilitate strategy sustainment after the intervention period. <u>Inclusion criteria:</u> <ul style="list-style-type: none"> • Include statements about how staff continuity/lack of turnover has facilitated the sustainment of strategies. • Include statements about how staff’s capacity has facilitated sustainment of strategies. • Include statements about how creation of new roles within the organization have facilitated sustainment of strategies. • Include statements about how culture changes within the organization have facilitated sustainment of strategies. • Include statements about specific people who were integral to sustainment of strategies. • Include statements about how continued support/relationship with research sites facilitates sustainability. <u>Double Coding Example:</u> <ul style="list-style-type: none"> • Double coding with Funding is allowed if the passage specifically discusses financial barriers/facilitators to maintenance of positions within a strategy.

	<ul style="list-style-type: none"> • Double code Staff/Personnel- Facilitators with Staff/Personnel- Barriers if statements about how staffing presents both barriers and facilitators to maintenance are intertwined.
<p>Community Context [Child Code]</p>	<p><u>Definition:</u> A broad construct to identify the ways that various aspects of the community context facilitates strategy sustainment.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about how relationships with other community partners have facilitated sustainment of strategies. • Include statements about how reduction in stigma has helped facilitate sustainment of strategies. • Include statements about how community buy-in has helped facilitate sustainment of strategies. <p><u>Exclusion Criteria:</u></p> <ul style="list-style-type: none"> • Exclude statements about resources present/available in the community and instead code those to Resources/Infrastructure. <p><u>Double Coding Example:</u></p> <ul style="list-style-type: none"> • Double code Facilitators-Community Context with Barriers-Community Context if statements about how community context presents both barriers and facilitators to maintenance are intertwined.
<p>Policy [Child Code]</p>	<p><u>Definition:</u> Descriptions of the ways that policies and government bodies and officials facilitates strategy sustainment.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about how local, state, and federal policy have helped facilitate the maintenance of strategies. • Include statements about how local, state, and federal politicians and/or government employees have contributed to the maintenance of strategies. <p><u>Double Coding Example:</u></p> <ul style="list-style-type: none"> • Double code Facilitators-Policy with Barriers-Policy if statements about how funding presents both barriers and facilitators to maintenance are intertwined.
<p>Resources/Infrastructure [Child Code]</p>	<p><u>Definition:</u> Passages that illustrate how the built environment, and available resources and materials in a community facilitates strategy maintenance.</p> <p><u>Inclusion Criteria:</u></p>

	<ul style="list-style-type: none"> • Include statements about how the availability of materials (i.e. naloxone, fentanyl test strips, etc.) have facilitated the sustainment of HCS strategies • Include statements about how healthcare infrastructure in the community (i.e. availability of hospital beds) contributes to the facilitation of HCS strategy maintenance • Include statements about how transportation accessibility in the community help facilitate HCS strategy maintenance • Include statements about how aspects of the built environment in the community facilitate HCS strategy maintenance <p><u>Double Coding Example:</u></p> <ul style="list-style-type: none"> • Double code Facilitators-Resources/Infrastructure with Barriers-Resources/Infrastructure if statements about how available resources presents both barriers and facilitators to maintenance are intertwined. (ex. If a resource is accessible for some populations but not all in a community).
<p>Barriers [Parent Code]</p>	<p><u>Definition:</u> Statements identifying factors that were barriers in the sustainment of strategies</p>
<p>Funding [Child Code]</p>	<p><u>Definition:</u> Descriptions of the ways that financial resources and potential grant funding present barriers to strategy sustainment</p> <p><u>Inclusion Criteria:</u></p> <ul style="list-style-type: none"> • Include statements about challenges in identifying and applying for potential funding sources • Include statements about negative experiences in applying for funding sources • Include statements about inability to secure funding. • Include statements about the challenges with sustainment associated with the removal of HCS funding.
<p>Staff/Personnel</p>	<p><u>Definition:</u> : Descriptions of the ways that individuals and specific roles within programs and organizations presented barriers to strategy sustainment.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about how staff discontinuity/ turnover has been a barrier to the sustainment of strategies. • Include statements about how staff’s level of capacity has been a barrier sustainment of strategies. • Include statements about how culture changes, or lack thereof, within the organization have been a barrier to sustainment.

	<ul style="list-style-type: none"> • Include statements about how lack of support/relationship with research sites presents a barrier to sustainability.
<p>Community Context [Child Code]</p>	<p>Definition: Descriptions of the ways that various aspects of the community presented barriers to strategy sustainment.</p> <p><u>Inclusion Criteria:</u></p> <ul style="list-style-type: none"> • Include statements about how relationships, or lack thereof, with other community partners have acted as a barrier to sustainment of HCS strategies • Include statements about how stigma in the community was a barrier to sustainment of strategies • Include statements about how lack of community buy-in was a barrier to sustainment of strategies • Include statements about how COVID presented a barrier to sustainment of strategies. <p><u>Exclusion Criteria:</u></p> <ul style="list-style-type: none"> • Exclude statements about resources present/available in the community and instead code those to Resources/Infrastructure
<p>Policy [Child Code]</p>	<p>Definition: Descriptions of the ways that policies and governing bodies present barriers strategy sustainment</p> <p><u>Inclusion Criteria:</u></p> <ul style="list-style-type: none"> • Include statements about how local, state, and federal policy have presented barriers to the maintenance of HCS strategies • Include statements about how elections/elected officials presented barriers to the maintenance of HCS strategies
<p>Resources/infrastructure [Child Code]</p>	<p>Definition: Passages that illustrate how the built environment and available resources and materials in a community present barriers to strategy maintenance.</p> <p><u>Inclusion criteria</u></p> <ul style="list-style-type: none"> • Include statements about how lack of availability of materials (i.e. naloxone, fentanyl test strips, etc) presented barriers to the sustainment of strategies.

	<ul style="list-style-type: none"> • Include statements about how healthcare infrastructure in the community (i.e. number of hospital beds) presented barriers to sustainment of strategies. • Include statements about how limitations with respect to transportation accessibility in the community presented barriers to strategy maintenance. • Include general statements about how aspects of the built environment in the community presented barriers to strategy maintenance.
Adaptations to Strategies [Parent Code]	<u>Definition:</u> Descriptions of the ways that the processes and reach of strategies have changed since the end of the intervention period.
Service Delivery (child Code)	<u>Definition:</u> Passages that describe the extent to which strategies have continued to deliver services after the intervention period -
Increase (Grandchild code)	<u>Definition:</u> Passages that describe how strategies have increased delivery of services after the intervention period. <u>Inclusion criteria:</u> <ul style="list-style-type: none"> • Include passages indicating that a strategy has increased the number of individuals to which it delivers services • Include passages that indicate that a strategy has increased the quantity/types of services delivered (May be double coded with strategy change). • Include passages that indicate that a strategy has increased the types of populations it delivers services to. • Include statements that indicate a strategy will likely increase delivery in the future.
Decrease/Discontinuation (Grandchild code)	<u>Definition:</u> Passages that describe how strategies have decreased or discontinued delivery of services after the intervention period. <u>Inclusion criteria:</u> <ul style="list-style-type: none"> • Include passages that indicate that a strategy has decreased the number of individuals to which it delivers services. • Include passages that indicate that a strategy has decreased the quantity/types of services delivered. • Include passages that indicate that a strategy has decreased the types of populations it delivers services to. • Include passages that indicate a strategy has been discontinued. • Include statements that indicate a strategy will likely decrease or discontinue delivery in the future.

<p>No Change (Grandchild Code)</p>	<p><u>Definition:</u> passages that describe how strategies how delivery of services has stayed the same after the intervention period</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include passages that indicate that there has been no change to the rate/number of individuals at which a certain strategy delivers services • Include passages that indicate that there has been no change to the quantity/types of services delivered by a certain strategy • Include passages that indicate that a strategy has not changed the types of populations it delivers services to • Include statements that indicate a strategy will likely maintain delivery in the future.
<p>Strategy Change</p>	<p><u>Definition:</u> A broad construct to capture the ways in which the processes of a strategy have changed since the end of the intervention period.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about changes to the medium of services delivery. • Include statements about the changes to the staffing of a strategy. • Include statements about changes to the types of services delivered. • Include any general statements about modifications to strategy processes. <p><u>Exclusion Criteria:</u></p> <ul style="list-style-type: none"> • Exclude statements about changes to the funding of a strategy and instead code those to the Funding Child code of either Facilitators or Barriers. • Exclude statements about changes to the providers of resources to support a strategy if the strategy itself has remained unchanged.
<p>Responding to Community Context</p>	<p><u>Definition:</u> Descriptions of the ways that strategies have been developed and/or adapted to meet community needs as they arise after the end of the intervention period.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about new strategies the organization has developed to respond to needs in the community. <p><u>Double code guidance:</u></p> <ul style="list-style-type: none"> • Double code statements about how existing strategies have been modified to respond to needs in the community with “Strategy change”

Process/Suggestions	<u>Definition:</u> Descriptions of adaptations or suggestions as they relate to maintenance of CTH intervention components after the study.
Data Collection/Tracking	<p><u>Definition:</u> Descriptions of how communities have or have not continued to collect data after the end of the intervention period.</p> <p><u>Inclusion criteria:</u></p> <ul style="list-style-type: none"> • Include statements about challenges/successes in collecting data after the end of the intervention period • Include statements about changes in the processes of collecting data after the intervention period • Include statements about changes in the types of data collected after the end of the intervention period
Implementation Effectiveness	<u>Definition:</u> Statements that demonstrate the ways the intervention has been effective in the community and its lasting impact after the end of the intervention period.
Routine Practice	<p><u>Definition:</u> A broad construct to capture the extent to which various aspects of the CTH intervention have been integrated into routine practice in the community.</p> <p><u>Inclusion Criteria</u></p> <ul style="list-style-type: none"> • Include statements about how MOUD and OEND strategies have, or have not, become routine practice in the community • Include statements about how communications efforts have, or have not, become routine practice in the community • Include statements about how data collection and monitoring efforts have, or have not, become routine practice in the community