

## Attachment 2

### Survey Question Crosswalk with Research Questions

#### Research Questions

##### *Adoption and Use of Health IT*

1. What are behavioral health care provider organizations and substance abuse treatment facilities' rates of adopting various types of health IT (EHRs, telehealth and mHealth)?
2. What factors influence the adoption of health IT among these organizations?
  - a. How do rates of adoption vary by organizational and area characteristics, including value based payment and delivery system reform and participation in the Meaningful Use program?
  - b. What are the most frequently cited barriers to using EHRs?
  - c. Are EHRs perceived as resulting in improved care, and how does this perception vary across these organizations?

##### *Interoperability and Exchange of Health Information*

3. What are behavioral health care provider organizations and substance abuse treatment facilities' rates of electronically sending, receiving, finding/querying and integrating key clinical information with providers outside their organization?
4. What methods are used to electronically exchange (send or receive) key clinical information with providers outside their organization?
5. What factors influence interoperability?
  - a. How do rates of engaging interoperability (sending, receiving, finding, integrating) vary by organizational and area characteristics, including value-based payment and delivery system reform participation?
  - b. What types of services are used to enable exchange of health information, such as participation in HIOs and use of HIE specific vendors?
  - c. What are the most frequently cited barriers to interoperability?
6. What are the key benefits resulting from interoperability and exchange of health information?

#### Survey Domains

- Section A: Eligibility to Participate in the Survey
- Section B: Organization Characteristics
- Section C: EHR Adoption
- Section D: Interoperability and Exchange
- Section E: Use of other Types of Health IT

## Crosswalk of Survey Domains and Research Questions

### Section A: Eligibility to Participate in the Survey

Survey Question #	Research Question #s	Rationale
1	1-6	Verifies status as behavioral health or substance use provider organization- applied to all research questions

### Section B: Facility Characteristics

Survey Question #	Research Question #s	Rationale
1-12	2a, 5a	Describes respondents  Conduct analyses to identify organizational characteristics that might be associated with health IT adoption and use, as well as interoperability
13	2a, 5a	The grantee identification number will allow linkages to other datasets to better characterize behavioral health provider organizations (and thereby reduce the number of items included in the survey because can link to other data sets).

### Section C: EHR Adoption and Use

Survey Question #	Research Question #s	Rationale
1	1	One of the core questions on the survey regarding EHR adoption. Informs skip logic pattern
2	1	Allows for market analysis to inform outreach efforts to different health IT vendors that serve behavioral health care providers
3	1	Characterizes the type of EHR system adopted including its capabilities as an EHR system that meets ONC certification criteria which requires certain capabilities

		Enables assessment of the penetration rate of certified EHRs within the behavioral health care sector
4	2a	Assesses participation in major DHHS program to support health IT adoption among psychiatrists and other eligible providers.
5	1	Collects data on electronic health record system capabilities including specification to behavioral health.
6	1	Collects data on usage of EHRs by providers
7	1	Collects data on capabilities of EHRs to support patient engagement
8	2c	Perceived impact of EHRs
9	2b	Perceived barriers of EHR adoption

#### Section D: Interoperability and Exchange

Survey Question #	Research Question #s	Rationale
1	3	Confirms survey respondent conducts any type of electronic health information exchanges. Informs skip logic pattern.
2	3-5	Calculates national estimates for rates of electronically sending health information.  Describes type of methods used to electronically send to outside providers or sources.
3	3-5	Calculates national estimates for rates of electronically receiving health information.  Describes type of methods used to electronically receive from outside providers or sources.
4	3-5	Calculates national estimates for rates of electronically sending and/or receiving health information using a structured format.  Describes type of methods used to electronically send and/or receive between outside providers or sources using a structured format.
5	3-5	Calculates national estimates for rates of electronically finding health information.  Describes type of methods used to electronically search

		health information from outside providers or sources.
6	3,5	Calculates national estimates for rates of electronically integrating health information.
7	5b	Describes the type of methods used to electronically exchange to outside providers or sources.
8	5b	Describes the type of methods used to electronically exchange to outside providers or sources.
9	6	Assess the benefits of interoperability on increased availability of information at the point of care.
10	6	Assess the benefits of interoperability on increased availability of information at the point of care.
10a	5c	Barriers to using data that is exchanged. Informs skip logic to collected data on barriers to electronic exchange
11	6	Assesses the benefits of interoperability on a broad array of outcomes
12	5c	Collects and refines data on the barriers to electronic health information exchange

#### Section E: Use of other Types of Health IT

Survey Question #	Research Question #s	Rationale
1	1	Includes other types of health IT that may be used by behavioral health providers
2	1	Includes other types of health IT that may be used by behavioral health clients