

**Request for Information  
(RFI)**

**For**

**Medicaid Data Warehouse**



**August 14, 2015**

**Respond to:**  
**Alabama Medicaid Agency**  
**Attn: Kelly Rooney**  
**Room 4037**  
**Lurleen B. Wallace Building**  
**501 Dexter Avenue**  
**P. O. Box 5624**  
**Montgomery, Alabama 36104**

**Issued: August 14, 2015**  
**Response Deadline: 5:00 PM, CT, September 15, 2015**

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# 1 Introduction

This is a Request for Information (RFI) issued by the Alabama Medicaid Agency, hereafter referred to as Medicaid. Medicaid is interested in soliciting information from potential Respondents providing innovative solutions for a Data Warehouse.

Through this RFI, Medicaid is hoping to gain insight into solutions that have been or are being implemented. At the same time, Medicaid encourages Respondents who may only have experience in particular segments of the products or services described herein to consolidate responses with other Respondents, thereby providing a full picture of the products and services available. It is the intent of Medicaid to solicit responses to this RFI in accordance with specifications contained in this document.

The issuance of this RFI does not obligate Medicaid in any way to issue a Request for Proposal (RFP) or Invitation to Bid (ITB) for the solution, materials, and services described in this RFI.

## 1.1 Background

Medicaid currently uses two systems as the source of its healthcare analytics data on mainframe and relational databases. Eligibility information maintained in these systems is provided to Medicaid's fiscal agent for use in the processing of administrative claims.

Prior to 2012 Medicaid's primary source of data for healthcare analytics was the data warehouse developed and maintained by HP. Medicaid utilized Business Objects standard and ad hoc reports to provide healthcare analytics for the Agency. This approach was generally sufficient for financial related analytics, but it was not adequate for healthcare related analytics. In 2012, Medicaid began to maintain copies of the data contained in the Business Objects universes onsite at Medicaid on local servers using Microsoft SQL 2014. The data encompasses both eligibility information and administrative claims data. This new approach greatly enhanced Medicaid's ability to provide analytics that addressed the cost and quality of healthcare. Medicaid primarily uses SQL, SAS, Tableau, Microsoft Excel, and ArcGIS as the software tools to provide the analysis. Medicaid also continues to use the Business Objects warehouse for primarily financial related analysis.

Through this RFI, Medicaid seeks to gain insight into Data Warehouse solutions that have been implemented or are being developed that support Healthcare analysis. Specific areas of interest would be:

- Patient encounter data analysis
- Provider effectiveness
- Dynamic data sharing extracting into multiple formats and compatibility into other systems

## 1.2 Objective

Medicaid is seeking responses to the requests in this RFI. Medicaid is open to different approaches and solutions regarding how a Respondent's recommended solution would meet Medicaid's needs, should Medicaid decide to procure a Data Warehouse.

The objectives of this RFI are to:

- Collect information that Medicaid can use to develop a conceptual approach to addressing its data analysis needs
- Identify approaches and tools that have been successfully used to address similar data analysis needs
- Understand how Respondents have addressed the requirements stated herein

It is important that potential Respondents understand that Medicaid is seeking information from entities that have direct experience with healthcare data especially as it relates to clinical, financial and regulatory subject areas.

## 2 Request for Information Procedure

This request requires any Respondent wishing to submit information to respond to this RFI by 5:00 pm CT, September 15, 2015. Medicaid will accept a formal written response and any additional materials the Respondent would like to attach to highlight their service or product offerings, such as:

- Marketing brochures and materials
- Videos
- Website links
- Webinars
- Time limited access privileges to content or systems.

### 2.1 Relevant Dates

<b>Event</b>	<b>Due Date</b>
Issue RFI	August 14, 2015
Question Period	August 14 – 21, 2015
Deadline of Submission	September 15, 2015

### 2.2 RFI Coordinator

Data Warehouse RFI Coordinator  
Lurleen B. Wallace Building, Room 4037  
501 Dexter Avenue  
P. O. Box 5624  
Montgomery, Alabama 36104  
EDWRFI@medicaid.alabama.gov

## **2.3 Questions**

Any technical or procedural questions regarding this RFI must be submitted to the RFI Coordinator via email. Responses to questions will be posted to the Medicaid website.

## **2.4 Response Format**

Vendors must submit a soft copy of the response on CD or jump drive to Medicaid. The softcopy CD or jump drive must contain the following:

- 2.4.1 One (1) complete copy of the Response in searchable Adobe Acrobat PDF format
- 2.4.2 One (1) complete copy of the Response in Microsoft Word 2007 or later format
- 2.4.3 One (1) redacted copy of the Response in searchable Adobe Acrobat PDF format with confidential information removed

The RFI response must be submitted in a sealed envelope or package with the RFI name and the Respondent's name and address clearly indicated on the envelope or package.

## **2.5 Submission**

Responses to the RFI on CD or jump drive may be hand-delivered or mailed to the RFI Coordinator. Responses will not be accepted over the phone. All responses must be received before the Deadline of Submission as stated in Section 2.1.

Entities responding to this RFI will not be precluded from bidding on any future Medicaid procurements in regards to a Data Warehouse.

## **2.6 Review of RFI Responses**

Issuance of the RFI in no way constitutes a commitment by Medicaid to award any contract. This RFI is designed to provide Respondents with the information necessary for the preparation of informative responses. This RFI process is for Medicaid's informational benefit. The RFI is not intended to be comprehensive, and each Respondent is responsible for determining all factors necessary for submission of a comprehensive response.

The RFI response will not be subject to an RFP type evaluation but only to a review of Respondent's suggested solution, approach to addressing the Data Warehouse, and ability to perform services that may be of use to Medicaid.

## **2.7 Oral Presentations for Clarifications**

The Procurement Coordinator may convene oral presentations for clarification to responses. If oral presentations are deemed necessary, invitations will only be extended to respondents to the RFI.

## **2.8 No Obligation to Issue RFP or ITB**

This RFI is an inquiry only and no contract or agreement will be entered into as a result of this process. By responding to this document or otherwise participating in this process, no contract or agreement will be formed and no legal obligation between Medicaid and Respondent will arise. Individual firms or teams that have not responded to this RFI shall not be precluded from participating in any future solicitation processes in relation to the project. The issuance of this RFI does not obligate Medicaid in any way to issue an RFP or any other procurement for the solution, materials, and services described in this RFI.

## **2.9 Disclosure of RFI Contents**

Respondents should be aware that any information in a response may be subject to disclosure and/or reproduction under Alabama law. Designation as proprietary or confidential may not protect any materials included within the response from disclosure if required by law. Respondents should mark or otherwise designate any material that it feels is proprietary or otherwise confidential by labeling the page as "CONFIDENTIAL" on the bottom of the page. Respondents shall also state any legal authority as to why that material should not be subject to public disclosure under Alabama open records laws and is marked as Proprietary Information. By way of illustration but not limitation, "Proprietary Information" includes trade secrets, inventions, mask works, ideas, processes, formulas, source and object codes, data, programs, other works of authorship, know-how, improvements, discoveries, developments, designs and techniques.

It is the sole responsibility of the Respondents to indicate information that is to remain confidential. Medicaid assumes no liability for the disclosure of information not identified by the Respondents as confidential.

## **2.10 Copyright Permission**

By submitting a response, the Respondent agrees that Medicaid may copy the response for purposes of facilitating the analysis of the response or to respond to requests for public records. By submitting a response, the Respondent consents to such copying and warrants that such copying will not violate the rights of any third party.

## **2.11 Cost and Expenses**

Each Respondent is responsible for its own costs and expenses related to this process, including cost and expenses associated with preparing and submitting a response to this RFI, participating in the process, the provision of any additional information, or attendance at meetings/interviews. No costs related to this RFI will be reimbursable from Medicaid.

## **3 RFI Requirements**

### **3.1 Executive Summary**

Respondents should prepare a summary of their response to the requirements described in 3.3 Solution below. The Executive Summary should condense and highlight the contents of the requirements in such a way as to provide a broad understanding of the entire information response.

### **3.2 Company Background**

Respondents should respond to this section with a brief description of their company or organization, relevant products and services, history, names of governmental entities the Respondent has assisted in the design and/or implementation of similar Data Warehouse solutions, and any other information deemed relevant.

### **3.3 Solution**

In this Section, the Respondent should provide a high level description of how their Data Warehouse solution addresses Medicaid's requirements listed in this RFI.

The description should include but is not limited to how Respondent proposes to:

- 3.3.1 Implement a data model that includes clinical, financial and regulatory subject areas.
- 3.3.2 Implement a mechanism to safeguard Protected Healthcare Information or Individually Identifiable Information (PHI/II).
- 3.3.3 Permit data sharing between Medicaid and cohort entities.
- 3.3.4 Create an architecture that is compliant with Medicaid Information Technology Architecture (MITA) standards.
- 3.3.5 Create an architecture that aligns with the Centers for Medicare and Medicaid Services' (CMS) Seven Conditions and Standards.
- 3.3.6 Deliver an architecture that allows for ad hoc query and report development, as well as permitting the addition of downstream analytical tools.
- 3.3.7 Implement an architecture that allows for data cleansing and conformation to a centrally maintained master.
- 3.3.8 Provide a mechanism to translate unstructured, non-normalized, and uncleaned data to a destination consistent with modern patient-centric models.
- 3.3.9 Implement a data security architecture that permits data access at the individual user level and embodies confidentiality mechanisms consistent with relevant regulatory requirements.
- 3.3.10 Manage issues relating to data stewardship, slowly changing dimensions, multiple user perspectives, confidence intervals, match rates, etc.

Additionally, with respect to Respondent's capabilities to assist in designing and developing a comprehensive health care and analysis approach, Medicaid requests feedback on how Respondent would:

- 3.3.11 Provide technical consulting and assistance for technical issues, including:
  - Hardware infrastructure, design, purchase, installation, and management
  - Cloud solution options and support
  - System implementation and/or database design and development
  - Extract, Transform, Load (ETL) process design and development
  - Staff support and training of staff
- 3.3.12 Provide technical consulting and assistance for clinical issues, including:
  - Identification, development, or creation of reference files for grouping diagnoses, procedures, drugs, providers, and quality measure components
- 3.3.13 Provide clinical consulting and assistance for technical issues, including:
  - Design and development of (or use of existing proprietary) reports for analysis to support agency program areas
- 3.3.14 Provide clinical consulting and assistance for clinical issues, including:
  - Training and support for how to use data to support policy decisions
  - Assistance prioritizing data projects

Respondents would need to anticipate that Medicaid currently uses data from several sources and multiple data types, understanding that more sources or types may be added. Among the current data sources and types are:

Types:

- Relational database files
- Mainframe-based files

Sources

- Various sources, comprising an array of categories of data, including but not limited to:
  - Claims, Encounter, Financial, Provider, Enrollment, Eligibility, and Reference data
  - Vital Statistics, such as Birth Certificates and Death Certificates
  - Immunization Registry
  - Mental Health data, such as Inpatient and Outpatient data
  - Maternity Case files and Home Health Case Management data
  - Survey results regarding healthcare providers and systems
  - Risk Score information
  - Geographic Information System data, including Shapefiles and Demographic reference information

### **3.4 Cost Structure**

Respondents may submit information about cost components, cost models, or costing methods that have been applied to similar products and services delivered in the past. For instance, for applicable software licensing, Respondent may provide information such as “per seat” or “concurrent user” licensing. If applicable, methods of delivery such as “software as a service” or “on-site licensing” may be included in the response, as well as costing factors applicable to maintenance and support activities. Also, to the extent that professional services would be applicable, typical cost ranges for various categories of implementation services may be provided. Finally, Respondent may submit a brief description of available flat fee cost approaches.

**Medicaid Data Warehouse RFI**  
**Respondent Questions and Medicaid Answers**  
**09/01/2015**

<b>Question ID:</b>	1
<b>Date Question Asked:</b>	08/17/2015
<b>Question:</b>	<p>a. Has any funding been allocated for the Data Warehouse and if so, how much and from where?</p> <p>b. If not, where would the agency look for funding?</p>
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	N/A
<b>MEDICAID Answer:</b>	<p>a. As noted in Section 2.8, "This RFI is an inquiry only and no contract or agreement will be entered into as a result of this process...."</p> <p>b. See answer 1.a.</p>
<b>Question ID:</b>	2
<b>Date Question Asked:</b>	08/17/2015
<b>Question:</b>	In the event that the agency decides to procure, is there an estimated time frame available for when the RFP might be issued?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	N/A
<b>MEDICAID Answer:</b>	As noted in Section 2.8, "...The issuance of this RFI does not obligate Medicaid in any way to issue an RFP or any other procurement for the solution, materials, and services described in this RFI."
<b>Question ID:</b>	3
<b>Date Question Asked:</b>	08/17/2015
<b>Question:</b>	Who is the project manager, or technical contact in regard to this effort?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	N/A
<b>MEDICAID Answer:</b>	With regard to this RFI, vendor communication should be directed "...to the RFI Coordinator via email" as described in Section 2.3.
<b>Question ID:</b>	4
<b>Date Question Asked:</b>	08/19/2015
<b>Question:</b>	"...do we need to have a certain status in regards to being registered Vendor in order to bid the currently released RFI?"

<b>Section Number:</b>	General
<b>RFI Page Number:</b>	N/A
<b>MEDICAID Answer:</b>	Information concerning registration with State Purchasing is located at <a href="http://vendors.alabama.gov/">http://vendors.alabama.gov/</a> . However, as noted in Section 2.8, “This RFI is an inquiry only and no contract or agreement will be entered into as a result of this process.”
<b>Question ID:</b>	5
<b>Date Question Asked:</b>	08/20/2015
<b>Question:</b>	Is it acceptable to FedEx the hardcopy and email soft copies to EDWRFI@medicaid.alabama.gov, provided they’re received by the September 15 deadline?
<b>Section Number:</b>	2.5 – Submission
<b>RFI Page Number:</b>	5
<b>MEDICAID Answer:</b>	As stated in Section 2.5, “Responses to the RFI on CD or jump drive may be hand-delivered or mailed to the RFI Coordinator.”
<b>Question ID:</b>	6
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	If a vendor chooses not to respond to this RFI, will that vendor be precluded from responding to the subsequent RFP or any other RFP in regards to a Medicaid Data Warehouse for the State of Alabama?
<b>Section Number:</b>	2.8
<b>RFI Page Number:</b>	6
<b>MEDICAID Answer:</b>	As stated in Section 2.8, “Individual firms or teams that have not responded to this RFI shall not be precluded from participating in any future solicitation processes in relation to the project.”
<b>Question ID:</b>	7
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What is the primary purpose of the comprehensive healthcare and analysis solution (CHAAS)? Will it drive revenue? If yes, how much?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical

	specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	8
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Who are the primary users of the in scope systems? Are they internal, external or both?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	9
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	How does the information within the scope systems affect the following? <ul style="list-style-type: none"> <li>a. Revenue</li> <li>b. Fact based decision making</li> <li>c. Efficient Operations</li> <li>d. Higher quality services</li> <li>e. Regulatory compliance</li> <li>f. Cost containment</li> </ul>
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	10
<b>Date Question Asked:</b>	08/21/15

<b>Question:</b>	What are the top 5-10 complaints in scope systems that affect business results such as revenue? e.g. Data quality, Data availability, Performance
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	11
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Do users have access to all of the information needed to make business decisions?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	12
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What kind of information do users need that the current DW does not provide? e.g. Patient data, Provider data
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical

	specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	13
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What systems/technologies is/are used to manage EMR? Is it COTS solution? e.g. Cerner or EPIC
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	14
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What kind of data is managed by these systems e.g. Clinical, Patient, Imaging? Does it provide any analytics?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	Refer to Section 3.3 of the RFI.
<b>Question ID:</b>	15
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What electronic data interchange (EDI) do you currently need to comply with? e.g. X12, HIPAA, HL7, CCHIT, SNOMED etc
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.

<b>Question ID:</b>	16
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Are there any regulatory & compliance requirements specifically for State of Alabama, Federal or Cohort?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b> 17	
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What current and future financial regulations need to be met through the CHAAS?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b> 18	
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What insight into Provider do you need in order for them to be more effective? How do you measure Provider effectiveness today?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in

	Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	19
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What additional insight into patients do you need in order to create more effective and targeted offers and programs to patients?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	20
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Patients like to engage on their terms and be recognized by their preferences. How will you enable new forms of engagement via mobile devices or applications and deliver services that meet the patient’s preferences? Do you have/want to provide mobile app for patients?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	21
<b>Date Question Asked:</b>	08/21/15

<b>Question:</b>	Do you an integrated view of the data to understand population and performance metrics? How are you currently measuring quality improvements against targets?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	22
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	How easy/difficult is it to correlate Operational, Master and Reference data? e.g. Clinical, Financial, Operational and/or Payer data with Patient and/or Provider data
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	23
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What are some of the current issues that you have that you expect to be alleviated with the CHAAS?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this

	point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	24
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What are some of the wish list items that you would like to see in the new solution?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	25
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Is the expectation that the new solution replaces the current one or co-exist with it?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	26
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What are some of the data aggregation challenges?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this

	RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	27
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	What are data quality issues that you face today?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	28
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Are there any needs to provide data real-time?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	29
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	How easy/difficult is it to integrate data from disparate systems today? Are there any specific data integration issues?
<b>Section Number:</b>	

<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	30
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	How do you identify inefficiencies in operations?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	31
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Explain how query performance is managed in your current DW? What are the challenges?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	32

<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Do input/output I/O bottlenecks prevent you from achieving optimal query performance? Explain
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	33
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Is the query performance impacted during peak load periods? Do you encounter performance degradation with large concurrent queries?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	34
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Does the current architecture adequately handle complex queries and support mixed query workloads?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this

	point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	35
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Can you easily prioritize resources to meet performance expectations? If not, how does this affect operations?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	36
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Can the current architecture support continuous data growth? Can the current architecture support user growth in the future?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	37
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Is management of your DW resource intensive? Are you reliant on multiple vendors to support your DW?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	

<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	38
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Are the majority of the reports currently run in batch or ad-hoc? What are the current challenges with either approach?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	39
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Do you currently manage and maintain multiple reporting systems? Does the current DW support integrated analytics?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	40

<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	Is the current DW enabled for predictive analytics? Can the end user easily extract data for analysis?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	41
<b>Date Question Asked:</b>	08/21/15
<b>Question:</b>	How large (size in Terabytes of user data) is the current data warehouse and what is the anticipated growth rate for this new warehouse?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	In response to the RFI, the respondent may present multiple sizing solutions addressing the scope described in Section 3.
<b>Question ID:</b>	42
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Question 3.3.7 asks respondents to describe a “mechanism to translate unstructured, non-normalized, and uncleaned data to a destination consistent with modern patient-centric models.” Could the Agency define what it means by “unstructured, non-normalized, and uncleaned data?”
<b>Section Number:</b>	3.3.8
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	<p>a. Unstructured data is data that may include free text, comments and the like. Observations within an electronic patient record would be an example. It could also include arcane file formats that aren’t readily translatable into a relational database.</p> <p>b. Non normalized data is data that does not conform with 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> normal form definitions. These forms have been in place for several decades and definitions are readily accessible. De-normalized data is a special case which is derived from a normalized source.</p>

	c. Uncleansed data is data which may have inconsistently applied values or that has values that are not in agreement with a centralized, conformed master data repository.
<b>Question ID:</b>	43
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	<p>Question 3.3.10 asks for a solution to, “Manage issues relating to data stewardship, slowly changing dimensions, multiple user perspectives, confidence intervals, match rates, etc.”. Our interpretation is that this question is really asking about three separate issues:</p> <ul style="list-style-type: none"> <li>• We interpret “data stewardship” as the human processes and governance for managing changes to data.</li> <li>• We interpret “slowly changing dimensions” as referring to how dimensional data changes are loaded and stored in the data warehouse.</li> <li>• We interpret “confidence intervals” and “match rates” as relating to data quality and matching data (for example, are Address A and Address B the same address?).</li> </ul> <p>Can the Agency please confirm our understanding of the concepts? If our understanding is incorrect, could the Agency clarify its definitions for “data stewardship,” “slowly changing dimensions,” “multiple user perspectives,” “confidence intervals,” and “match rates?”</p>
<b>Section Number:</b>	3.3.10
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	The interpretation is correct.
<b>Question ID:</b>	44
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Can you provide any volumetric information which would facilitate the development of the “typical cost ranges” that you reference in section 3.4? (i.e. the number of healthcare records kept/anticipated in your local server-based database of eligibility and administrative claims data).
<b>Section Number:</b>	3.4
<b>RFI Page Number:</b>	9
<b>MEDICAID Answer:</b>	Respondents may define available volumes in order to explain their pricing structure. This RFI is an inquiry and does not result in a contract or agreement as described in Section 2.8.
<b>Question ID:</b>	45

<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	The direction to mark pages as confidential if they contain any confidential information could mean that many vendors will mark almost all of their response confidential. Is that acceptable, or would you prefer that vendors use inline redaction? (i.e. highlighting in black over the specific confidential text).
<b>Section Number:</b>	2.9
<b>RFI Page Number:</b>	6
<b>MEDICAID Answer:</b>	Refer to Section 2.9.
<b>Question ID:</b>	46
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is there a recommended Page limit for the exec summary and/or the main proposal?
<b>Section Number:</b>	3
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	No.
<b>Question ID:</b>	47
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Do you envision the new EDW replacing the existing DW/s? Why or why not?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	48
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	How much data will be loaded and how much is it expected to growth over the coming years?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather

	information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	49
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	How significantly do you expect the existing data model to change?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	50
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What is meant on page 7 by “...mechanism to safeguard...”?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	Respondents may describe available security procedures, technologies, or processes to protect the data while maintaining compliance with HIPPA, IRS, SSA, and best business practices.
<b>Question ID:</b>	51
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What can you tell us about the other Medicaid and cohort entities that need access to the EDW (how many, how they’ll need to access it, special security, etc.)?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in

	Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	52
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Where can we get a copy of the MITA standards and CMS Seven Conditions and Standards?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	<p>MITA standards are defined by CMS. More information regarding MITA can be found at:</p> <p><a href="https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/MedicaidInfoTechArch/index.html">https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/MedicaidInfoTechArch/index.html</a></p> <p>A copy of the Enhanced Funding Requirements: Seven Conditions and Standards of April 2011 can be found at:</p> <p><a href="http://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Data-and-Systems/Downloads/EFR-Seven-Conditions-and-Standards.pdf">http://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Data-and-Systems/Downloads/EFR-Seven-Conditions-and-Standards.pdf</a></p>
<b>Question ID:</b>	53
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What is a good example of a modern patient-centric model?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	The patient centric model is derived to closely model clinical practice. Common entities found in a patient centric model might include patient, encounters, interventions, participants, episodes of care or facilities. The goal is to model the clinical problem space as closely as possible in order to facilitate the application of clinical measures and other KPIs expressed in clinical terminology.
<b>Question ID:</b>	54
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	How will you decide if it's worth it to invest in a new EDW?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	

<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	55
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What integration expectations are there with the existing tools (Tableau, SQL, SAS, etc.)?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	56
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Tell us more about what you mean by “...direct experience with healthcare data...”
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	The respondents may respond with any experience relating to the scope of this RFI.
<b>Question ID:</b>	57
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	How much unstructured data is expected and where will it come from? What translation and integration with unstructured data is expected?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this

	RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	58
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Can you offer any more insight into ”...sharing between Medicaid and cohort entities...”?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	59
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What platform do you use for handling unstructured data? Does your existing analytics and reporting systems include unstructured data?
<b>Section Number:</b>	3.3.8
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	60
<b>Date Question Asked:</b>	8/21/15

<b>Question:</b>	Does your current system have a patient centric data model within the alternate SQL based DW? Is it used for clinical analysis?
<b>Section Number:</b>	3.3.8
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	61
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	With respect to hardware is Medicaid looking for commodity or cloud based solutions/engineered systems such as Oracle Exadata/Exalogic?
<b>Section Number:</b>	3.3.11
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	In response to the RFI, the respondent may present multiple solutions addressing the scope described in Section 3.
<b>Question ID:</b>	62
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What is your sizing expectation for the DW? What are your initial estimates, growth curve and sizing limitations?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	In response to the RFI, the respondent may present multiple sizing solutions addressing the scope described in Section 3.
<b>Question ID:</b>	63
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is data migration from the existing DW in scope for this project? If not, what are your expectations as it relates to time, planning and implementation?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience

	in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	64
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What are your timelines for procurement, implementation and operational readiness?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	As noted in Section 2.8, "...The issuance of this RFI does not obligate Medicaid in any way to issue an RFP or any other procurement for the solution, materials, and services described in this RFI."
<b>Question ID:</b>	65
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Please provide key performance indicators, SLA's or other performance parameters?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	66
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is the source of the patient encounter data from claims only? If not, what are the other sources? Please provide examples?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in

	Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	67
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What reporting programs are currently being used for measuring provider effectiveness (NCQA, AMA, HEDIS, PQRS, IQR)?
<b>Section Number:</b>	1.1
<b>RFI Page Number:</b>	3
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	68
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	With regards to dynamic data sharing. Please identify the various formats that are in scope?
<b>Section Number:</b>	3.3.13
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	69
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Please identify the agency programs that the DW would support?
<b>Section Number:</b>	

<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	70
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Do you anticipate any re-usable components from the current DW reporting solutions? Will they be available to use in the new DW solution?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	71
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Are there any current or future enterprise initiatives that would impact the solution?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas.

	Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	72
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	How do you currently update new regulations?
<b>Section Number:</b>	3.3.3
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	73
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Define "cohort" agencies? Would this include outside entities, would data be exposed outside of your network?
<b>Section Number:</b>	3.3.4
<b>RFI Page Number:</b>	7
<b>MEDICAID Answer:</b>	For the purpose of this RFI, cohorts would include other Alabama state agencies, Universities, Regional Care Organizations, etc.
<b>Question ID:</b>	74
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Can you share your current MITA / CMS rating or score?
<b>Section Number:</b>	3.3.11, 3.3.12, 3.3.13, 3.3.14
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid's intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	75

<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Would all staff be required on site? Will any remote work be permitted?
<b>Section Number:</b>	3.3.12
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b> 76	
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is there a requirement for terminology standardization?
<b>Section Number:</b>	3.3.12
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b> 77	
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is there a requirement for data groupers and standardization? For example; ERG/DRG?
<b>Section Number:</b>	3.3.12
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas.

	Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	78
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Do you utilize internal or proprietary standards/rules for grouper, report, metrics, analytical parameters definition? If not, what are your requirements?
<b>Section Number:</b>	3.3.12
<b>RFI Page Number:</b>	8
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	79
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Do you utilize any internal security standards for reports (e.g. User level, group level, business unit level)? If not, what are your requirements?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	80
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What are your current analytical requirements methods (e.g. statistical, cluster, predictive, prescriptive, etc.)? Will you expect the same in the new solution?
<b>Section Number:</b>	General
<b>RFI Page Number:</b>	

<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	81
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	The RFI refers to “SaaS”. Can we assume the State of Alabama is open to considering public or private cloud solution?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	In response to the RFI, the respondent may present multiple solutions addressing the scope described in Section 3.
<b>Question ID:</b>	82
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	What types of unstructured data will be going into the system. Can you provide examples? (HDFS unstructured, NoSQL sources, unstructured paragraphs of text, or other )
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	Unstructured data is data that may include free text, comments and the like. Observations within an electronic patient record would be an example. It could also include arcane file formats that aren’t readily translatable into a relational database.
<b>Question ID:</b>	83
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Are there requirements for 'Real-time' reporting ( Dashboards 15 minutes or less in latency)?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this

	point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.
<b>Question ID:</b>	84
<b>Date Question Asked:</b>	8/21/15
<b>Question:</b>	Is there a requirement for data sources to update the data warehouse at near synchronous real time for changed data?
<b>Section Number:</b>	
<b>RFI Page Number:</b>	
<b>MEDICAID Answer:</b>	This question is consistent with an RFP process, wherein the scope and requirements are set out in much finer detail than this RFI. Medicaid’s intent in issuing this RFI was to gather information from prospective respondents as to their experience in implementing solutions in the areas of interest noted in Section 3 of the RFI. Accordingly, Medicaid has not, at this point in time, addressed the functional or technical specifications sufficiently to provide answers in these areas. Respondents are asked to use their experience to make assumptions regarding technical and functional specifications.