



**State of Rhode Island  
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**Solicitation Information  
June 27, 2013**

**ADDENDUM # 1**

**RFI # 7468376**

**Title: Data Analysis and Hosting Tasks in the Rhode Island All Payer Claims Database**

**Bid Opening Date & Time: July 17, 2013 @ 10:30 AM  
Note Change**

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**Notice to Vendors:**

- 1. Extension of Closing Date:  
The original RFI # 7468376 Data Analysis and Hosting Tasks in the Rhode Island All Payer Claims Database closing date has been changed from July 10, 2013 @ 10:00 AM to July 17, 2013 @ 10:30 AM**
- 2. ATTACHED ARE VENDOR QUESTIONS WITH STATE RESPONSES.  
NO FURTHER QUESTIONS WILL BE ANSWERED.**

**David J. Francis  
Interdepartmental Project Manager**

*Interested parties should monitor this website, on a regular basis, for any additional information that may be posted.*

**Vendor Questions for RFI # 7468376 Data Analysis and Hosting Tasks in the Rhode Island All Payer Claims Database**

Question 1: Is a response to the RFI required for vendors to pursue the related RFP?

Answer to question 1: NO, vendors are not required to submit an RFI response in order to be eligible to pursue the future RFP.

Question 2: Does a vendor need to submit a response to the RFI in order to be allowed to respond to the subsequent request for proposal?

Answer to question 2: NO, vendors are not required to submit an RFI response in order to be eligible to pursue the future RFP.

Question 3: What is the contract term for the existing data aggregator contract with the current vendor?

Answer to question 3: The current contract between the data aggregator vendor and the state expires December 31, 2014, with an option to renew up to two one-year (1) terms thereafter.

Question 4: When is the subsequent data analysis and hosting RFP expected to be issued?

Answer to question 4: An RFP for APCD analytic and/or hosting tasks will be issued when the state makes a decision on a data flow model and contracting strategy. The state's estimated timeline for its release is Fall 2013.

Question 5: When is it anticipated that the collected and aggregated data will be ready to provide to the selected data analysis and hosting vendor?

Answer to question 5: Timeline for data submission and collection is determined by schedule set in the APCD Regulations and Technical Specification Manual. The state estimates the current data submission schedule for an analytic and/or hosting vendor to accept data in mid-Fall 2014. Factors such as regulatory authority, Technical Specification Manual, and payer compliance may affect the schedule.

Question 6: Pg.8, 2.6.2 Data Quality Processes #1 – Will the Data Analysis and Hosting vendor have access to current vendor's edits in order to validate and confirm the edits?

Answer to question 6: The state anticipates this will be possible.

Question 7: Pg. 11, Table – Please confirm whether the following statement is correct; "Make accessible a website with example features: ...application to request identified data for research". Should this be "de-identified data"?

Answer to question 7: Yes.

Question 8: Pg. 13, Section 4 – Please clarify "On-site staff presence to assist in data requests." What is the amount of time per week/month that an on-site presence is desired?

Answer to question 8: The state anticipates the need for a full time vendor presence to assist in ad-hoc data requests by state staff. The state welcomes feedback based on your experience and estimates.

Question 9: Pg. 13, Section 9 – Other than the four-page RIVIP Generated Bidder Certification Form, are there any other required documents which need to be attached to the response?

Answer to question 9:No.

Question 10: What is the intended roles/responsibilities breakout among vendors? Section 2.3 seems to indicate that data collection, cleaning, and aggregation (presumably norming as well?) is handled by the current vendor; other sections suggest the ownership of some of these tasks is potentially in question. Is the intent here for the current vendor to aggregate the data and send it to a hosting center TBD?

Answer to question 10: The state has contracted with a data aggregator vendor which will collect, clean and aggregate person-level health claims data from public health insurance programs (Medicaid and Medicare) and commercial carriers, using an encrypted unique identifier. The data aggregator will produce a quarterly extract. When the extract has been delivered to the state's selected host and/or analytic vendor, the state anticipates the host and/or analytic vendor to perform the remaining tasks in the RFI.

Question 11: Will the feeds from the current system vary per insurer or will there be one large feed?

Answer to question 11: Each insurer submitting data to the data aggregator will submit its own files. The data aggregator will produce a quarterly extract to deliver to the state's selected host and/or analytic vendor to perform the remaining tasks.

Question 12: What infrastructure does RI already have in place?

Answer to question 12: RI seeks input about how to organize data management tasks and functions to use existing state infrastructure and personnel to the greatest extent possible where appropriate and advantageous to the state. The RI APCD Team has identified two options within the state to house the APCD: the State Data Center serving all Rhode Island state agencies and the Executive Office of Health and Human Services Data Warehouse, the repository currently holding primarily Medicaid transaction data.

Question 13: What scope does RI anticipate being in the RFP?

Answer to question 13: The detailed scope of work in the RFP will be determined when the RFI process is complete. The state anticipates making a data flow and contracting strategy decision informed by the results of this RFI, and eventually releasing an RFP fitting the final model.

Question 14: Will Pharma/Dental claims be housed in the APCD, or only medical?

Answer to question 14: The APCD will collect medical and pharmacy claims. Dental information will not be captured at this time. The RI APCD regulations include categories of submitted data elements.

Please note the RI Department of Health has filed the following final regulations with the Rhode Island Secretary of State on 19 June 2013. All regulations will become effective on 9 July 2013. A copy of the document can be found here:  
<http://sos.ri.gov/documents/archives/regdocs/released/pdf/DOH/7305.pdf>.

Question 15: Will unique patient identifiers be housed in the APCD? If not, is there a methodology in place for accessing this data when access will be provided?

Answer to question 15: Yes. The RI APCD statute prohibits the state from collecting personally identifiable information. The final APCD will contain a unique encrypted identifier number.

Question 16: Will any data be collected on uninsured/self-pay encounters?

Answer to question 16: The APCD will collect claims information from health plans, and as such, uninsured individuals will not be captured in the database.

Question 17: What plans are there, if any, to integrate data from CurrentCare?

Answer to question 17: The state does not have current integration plans, and welcomes feedback based on your experience and estimates.

Question 18: Can you elaborate more on what elements of the APCD initiative were funded under the State's Level II Exchange Establishment Grant and for how much? (should research this) - expires 12/31/2014; will this be the sole source of funding or will there be other sources as well?

Answer to question 18: RI APCD is partially funded for implementation by Exchange Establishment Level II funding from CMS, which expires December 31, 2014. The state will develop a sustainability plan to fund ongoing APCD efforts. The state welcomes feedback based on your experience and estimates.

Question 19: Does the state have preference on items such as inpatient hospital groupers, outpatient services groupings, risk calculators?

Answer to question 19: The state does not have specific preference on inpatient hospital groupers, outpatient services groupings, or risk calculators at this time. The state welcomes your feedback for specific tools based on your experience.

Question 20: Does the state expect to use its license for BI tools (its data warehouse uses an Oracle based system which uses Business Objects) for this project?

Answer to question 20: The state does not have a preference for specific tools at this time. The state welcomes feedback based on your experience and estimates.

Question 21: When will the RIAPCD Technical Specification Manual be available for review?

Answer to question 21: The RIAPCD Technical Specification Manual will be available approximately 30 days after the APCD Regulations are finalized (approximately August 2013 according to the current timeline). An example Technical

Specification Manual can be found here [http://onpointcdm.org/cms/images/vt-dcrr/vt\\_carrier\\_mnl.pdf](http://onpointcdm.org/cms/images/vt-dcrr/vt_carrier_mnl.pdf).

Question 22: Are the insurers bought into their project? Are they mandated? Are they signed up? If not, when will they be?

Answer to question 22: Under TITLE 23: Health Care Quality Program enacted in 2008, the RI Department of Health (HEALTH) was directed to establish and maintain a unified health care quality and value database. TITLE 23 mandates that RI's private and public payers submit claims for health services paid on behalf of RI enrollees to the RIAPCD. For details regarding required data submitter criteria, please refer to RI APCD Regulations.

Please note the RI Department of Health has filed the following final regulations with the Rhode Island Secretary of State on 19 June 2013. All regulations will become effective on 9 July 2013. A copy of the document can be found here:

<http://sos.ri.gov/documents/archives/regdocs/released/pdf/DOH/7305.pdf>.

Question 23: What is the anticipated date for the release of the RFP for this project?

Answer to question 23: An RFP for APCD analytic and/or hosting tasks will be issued when the state makes a decision on a data flow model and contracting strategy. The state's estimated timeline for its release is Fall 2013.

Question 24: Is this RFI response required to participate in the RFP?

Answer to question 24: NO, vendors are not required to submit an RFI response in order to be eligible to pursue the future RFP.

Question 25: Please indicate the number of users – end users? ad-hoc query users ?

Answer to question 25: The state anticipates primary users of the APCD will be the four partner agencies: HEALTH, EOHHS/Medicaid, OHIC, HIX, but not limited to other state agencies and personnel. In addition, the state anticipates these users will vary from simple (using pre-built reports), to medium (generating their own queries), to power users (will perform complex analytics). The state welcomes feedback based on your experience and estimates.

Question 26: Do you have any information on planned yearly volume growth statistics by type of information (Claims, other)?

Answer to question 26: The state does not have this information at this time.

Question 27: Can the hosted solution be operated and hosted outside of the State of Rhode Island?

Answer to question 27: Yes.

Question 28: Please provide your best estimate for the following scheduled events:

- a) Formal Release of DA/Hosting APCD RFP?
- b) Target Award date?

c) Commencement of Contract?

Answer to question 28:

An RFP for APCD analytic and/or hosting tasks will be issued when the state makes a decision based on results of the RFI. The tentative timeline for its release is Fall 2013.

Timeline for data submission and collection is determined by schedule set in the APCD Regulations and Technical Specification Manual. The state estimates the current data submission schedule for an analytic and/or hosting vendor to accept data in mid-Fall 2014. Factors such as regulatory authority, Technical Specification Manual, and payer compliance may affect the schedule.

Question 29: Does the RIAPCD anticipate a future need for a vendor to access the Rhode Island HIE to intake, normalize and process to produce enhanced clinical quality metrics for the data warehouse?

Answer to question 29: The state envisions aggregated population level analysis and does not anticipate integration at this time. The state welcomes feedback based on your experience and estimates.

Question 30: Please provide some examples of what the RIAPCD means relative to external benchmarking for data quality?

Answer to question 30: The state is interested in using APCD data to use as internal (in state) and external (out of state) benchmarks. The state welcomes feedback based on your experience and estimates.

Question 31: Do we need to address the MBE requirement in the RFI or should that wait until a future RFP?

Answer to question 31: NO MBE requirement is in place for the RFI.

Question 32: Does Rhode Island have a preferred grouper that they want utilized with the APCD?

Answer to question 32: The state does not have a preferred grouper at this time. The state will likely require the host and/or analytic vendor to apply advanced data analytics for development of reports and data extracts to the APCD. As a first step in the process, the APCD quarterly refreshes would likely be grouped and/or the following types of tools applied. The state welcomes your feedback for specific tools based on your experience.

- Inpatient hospital groupers
- Outpatient services groupings
- Condition categories
- Risk score calculation for use in relative illness burden analysis
- Possibly others deemed advantageous to RI

Question 33: Does Rhode Island have a preferred risk adjustment methodology utilized with the APCD?

Answer to question 33: The state does not have a preferred risk adjustment methodology at this time. The state will likely require the host and/or analytic vendor to apply advanced data analytics for development of reports and data extracts to the APCD. As a first step in the process, the APCD quarterly refreshes would likely be grouped and/or the following types of tools applied. The state welcomes your feedback for specific tools based on your experience.

- Inpatient hospital groupers
- Outpatient services groupings
- Condition categories
- Risk score calculation for use in relative illness burden analysis
- Possibly others deemed advantageous to RI

Question 34: Can Rhode Island provide a timeline outlining their evaluation of the RFI responses following the July 10 submission deadline?

Answer to question 34: No.

Question 35: Can Rhode Island project when an RFP for APCD services might be forthcoming?

Answer to question 35: An RFP for APCD analytic and/or hosting tasks will be issued when the state makes a decision on a data flow model and contracting strategy. The state's estimated timeline for its release is Fall 2013.

Question 36: Will the current data submission vendor be submitting a response to this RFI?

Answer to question 36: No.

Question 37: Will Rhode Island please post a Word version of the "RIVIP Bidder Certification Cover Form"?

Answer to question 37: NO

Question 38: Using unique identifiers and removing identifiable info—how much information is going to remain—will we be able to track things like disease patterns based on actual zip code, age, etc.?

Answer to question 38: Please refer to Appendix A in the APCD Regulations. Please note the RI Department of Health has filed the following final regulations with the Rhode Island Secretary of State on 19 June 2013. All regulations will become effective on 9 July 2013. A copy of the document can be found here:

<http://sos.ri.gov/documents/archives/regdocs/released/pdf/DOH/7305.pdf>.

Question 39: How many different feeds would we be receiving and would they all be identically formatted within the context of the file layouts indicated?

Answer to question 39: Each insurer submitting data to the data aggregator will submit its own files. The data aggregator will produce a quarterly extract to deliver to the state's selected host and/or analytic vendor to perform the remaining tasks.

Question 40: With the Exchange Level II grants expiring at the end of 2014, does everything have to be in place by that time in order to get paid?

Answer to question 40: RI APCD is partially funded for implementation by Exchange Establishment Level II funding from CMS, which expires December 31, 2014. The state will develop a sustainability plan to fund ongoing APCD efforts. The state welcomes feedback based on your experience and estimates.

Question 41: Will we have to do pre-processing for dual-coverage patients to make sure we don't double-count claims that were paid by Medicare as primary and another payor as secondary? There is a "coordination of benefits" paid amount – how might this field potentially address this question?

Answer to question 41: The state anticipates the hosting and/or analytic vendor to account for dual coverage and cross-over claims.

Question 42: Assuming Revenue Code, HCPCS code and Procedure Modifiers repeat 25 times based on the claims data file layout –but want to clarify to be absolutely sure.

Answer to question 42: Detailed file layout will be available in the Technical Specification Manual. Currently the state anticipates 24 diagnoses fields and 24 procedure codes.

Question 43: Is there any way of getting line-item payment adjudication information?

Answer to question 43: The Data Aggregator vendor will send a quarterly extract to the hosting and/or analytic vendor. The extract can accommodate two quarterly refresh styles based on the future hosting and/or analytic vendor's need: a full replacement file or a deltas-only file. The full replacement style quarterly refresh would replace each value with every update. A deltas-only file style quarterly refresh would depict the change in each value from the last extract. The full replacement extract would not allow for line-item payment adjudication information from one extract to another. A deltas-only extract would depict the line-item payment adjudication information between extracts. If a deltas-only extract is requested, the hosting and/or analytic vendor would need to be able to accommodate the appropriate file and processing. An example is shown in the table below.

Example of line-item payment adjudication information for a given month:		Information in Full Replacement Extract	Information in Deltas-only Extract
Q1 File value	\$70	\$70	\$70
Q2 File value	\$100	\$100	+\$30

Question 44: Is there any way we can get denial information both at the claim level and at the line-item level?

Answer to question 44: No, there is not a method to capture denial information in the APCD at the current time.

Question 45: Is it assumed that all data intake for the APCD will be provided exclusively through a single data aggregator or can there be multiple data aggregators?

Answer to question 45: The RI APCD will have a single data aggregator vendor.

Question 46: Can we have access to the RIAPCD Technical Specification Manual?

Answer to question 46: The RIAPCD Technical Specification Manual will be available approximately 30 days after the APCD Regulations are finalized (approximately August 2013 according to the current timeline). An example Technical Specification Manual can be found here [http://onpointcdm.org/cms/images/vt-dcrr/vt\\_carrier\\_mnl.pdf](http://onpointcdm.org/cms/images/vt-dcrr/vt_carrier_mnl.pdf).

Question 47: Are the formats between the data aggregator and the APCD the same as provided in appendices A1, A2 and B?

Answer to question 47: No. Appendices A1 and A2 of the RI APCD April 2013 Regulations draft provide categories of data elements that the data aggregator will use to produce the detailed Technical Specification Manual.

Please note the RI Department of Health has filed the final regulations with the Rhode Island Secretary of State on 19 June 2013. All regulations will become effective on 9 July 2013. A copy of the document can be found here: <http://sos.ri.gov/documents/archives/regdocs/released/pdf/DOH/7305.pdf>.

Question 48: What are your data communications specifications/options for the ACPD to receive the data from the data aggregator?

Answer to question 48: The data aggregator vendor will deliver a quarterly extract to a hosting and/or analytic vendor.

Question 49: On page 1, the submission deadline for this RFI is Wednesday, July 10, 2013 @ 10:00 AM. Is it possible to extend the response due date given the July 4th holiday and to give interested parties more time to develop a comprehensive options evaluation?

Answer to question 49: The state has extended the RFI deadline until July 2017, 2013 at 10:30 am. Please monitor the website for additional information

Question 50: On page 7, in section 2.4 Background, it is stated that in 2011, CMS/CCIO included funding for the APCD in the State's Level II Exchange Establishment Grant, which will expire on December 31, 2014. While we understand that no award will be made as a result of this solicitation, if at some future point an RFP is issued, would the

original source of funding for data analysis and hosting come from the Establishment Grant or any other federal funding pool?

Answer to question 50: RI APCD is partially funded for implementation by Exchange Establishment Level II funding from CMS, which expires December 31, 2014. This includes tasks for APCD implementation and build. The state will develop a sustainability plan to fund ongoing APCD efforts. The state welcomes feedback based on your experience and estimates.

Question 51: On page 8, in section 2.6.2 Data Quality Processes, it is stated that the State envisions the All Payer Claims Database may include validation and confirmation of the data aggregators edits. Will the validating vendor receive the original aggregated data files in addition to the data extract?

Answer to question 51: No, the data aggregator's current scope of work includes the production and delivery of a quarterly extract to a hosting and/or analytic vendor.

Question 52: On page 9, in section 2.6.4 Reports and Access Tools, it is stated that Rhode Island may require the vendor to support a system which will allow state personnel to access the (cleaned and enhanced) dataset on a permission based system. It is our assumption that the system will need to be a web-based system accessible from all remote locations. Is this a correction assumption?

Answer to question 52: Yes.

Question 53: In the Medical Claims Data File table in Appendix A, page B-2, it is indicated that ICD-9 Codes will be used in the All Payer Claims Database. Given that the Centers for Medicare and Medicaid Services will be replacing ICD-9 code sets with ICD-10 code sets as of October 1, 2014, will the database need to be extensible to accommodate the arrival of ICD-10 codes?

Answer to question 53: The RI APCD will allow for ICD-9 and ICD-10 coding.

Question 54: How many concurrent users does the RIAPCD expect at peak demand?

Answer to question 54: The state anticipates primary users of the APCD will be the four partner agencies: HEALTH, EOHHS/Medicaid, OHIC, HIX, but not limited to other state agencies and personnel. In addition, the state anticipates these users will vary from simple (using pre-built reports), to medium (generating their own queries), to power users (will perform complex analytics). The state welcomes feedback based on your experience and estimates.

Question 55: If we were to choose to use your HIPAA-approved warehouse, can the analysts remote in? Or is the expectation to have all or most personnel on your site?

Answer to question 55: Yes.

Question 56: Is it expected that the resultant RFP will have a State Minority Business Enterprise Requirement of ten (10) percent?

Answer to question 56: Yes, it is a goal.

Question 57: What is the States' expected time frame to review the questions and subsequently release an RFP?

Answer to question 57: An RFP for APCD analytic and/or hosting tasks will be issued when the state makes a decision on a data flow model and contracting strategy. The state's estimated timeline for its release is Fall 2013.

Question 58: If requested, what format would be utilized to present an approach and demonstrate a technical solution?

Answer to question 58: A technical demonstration may be beneficial. The state welcomes feedback based on your experience and estimates.

Question 59: Is the data aggregator, current vendor, prohibited from bidding on the resultant RFP for the Data Analysis and Hosting Tasks?

Answer to question 59: It is not the state's intent at this time to include data aggregation tasks in the Analytic and Hosting RFP, although the vendor is not prohibited from submitting a response.

Question 60: Are data aggregation tasks expected to be included in the future RFP?

Answer to question 60: No, it is not the state's intent at this time to include data aggregation tasks in the Analytic and Hosting RFP.

Question 61: What external data sources does the state envision could be used or are allowable to be used for benchmarking?

Answer to question 61: The state welcomes feedback based on your experience and estimates.

Question 62: When are the Rules and Regulations Pertaining to the Rhode Island All-Payer Claims Database expected to be finalized?

Answer to question 62:  
The RI Department of Health has filed the following final regulations with the Rhode Island Secretary of State on 19 June 2013. All regulations will become effective on 9

July 2013. A copy of the document can be found here:  
<http://sos.ri.gov/documents/archives/regdocs/released/pdf/DOH/7305.pdf>.

Question 63: How will this project be funded? What funding sources are expected (such as Medicaid, the SIM grant, or CCIIO funding)? If Medicaid funds will be used, will enhanced FFP (at the 75% or 90% match rate) be used?

Answer to question 63: RI APCD is partially funded for implementation by Exchange Establishment Level II funding from CMS, which expires December 31, 2014. The state will develop a sustainability plan to fund ongoing APCD efforts. The state welcomes feedback based on your experience and estimates.

Question 64: Does the agency envision, in the short term or long term, that data product sales or subscriptions will provide a meaningful share of the funding or offsetting revenue for this project?

Answer to question 64: RI APCD is partially funded for implementation by Exchange Establishment Level II funding from CMS, which expires December 31, 2014. The state will develop a sustainability plan to fund ongoing APCD efforts, and welcomes your feedback based on your experience and estimates.

Question 65: Page 2 of the RFI mentions four goals, one of which is for the APCD to “...create products for health care consumers, researchers, and policymakers with information on quality, cost, and utilization of care.” Please elaborate on the role the contractor will play in the development of such information products. Please indicate whether commercial-like data products will be developed for external stakeholders or whether the focus will be on agency users of these data (as 2.6.4 suggests).

Answer to question 65: The state envisions the future contractor to assist in determining reporting needs for internal and external stakeholders, developing custom products, and creating an ongoing schedule for report completion. The state anticipates primary users of the APCD will be the four partner agencies: HEALTH, EOHHS/Medicaid, OHIC, HIX, but not limited to other state agencies and personnel. In addition, the state anticipates these users will vary from simple (using pre-built reports), to medium (generating their own queries), to power users (will perform complex analytics). The state welcomes feedback based on your experience and estimates.

Question 66: Please clarify whether the activities described in Section 2.6.2 of the RFI will be performed under the Data Analytics and Hosting contract rather than by the Data Aggregator

Answer to question 66: Yes, the state anticipates activities in Section 2.6.2 of the RFI to be performed under Data Analytics and/or Hosting, not the Data Aggregator.

Question 67: Section 2.6.3 refers to “the following types of tools” and lists items such as “outpatient service groupings”, “condition categories”, and “risk score calculations.” Does the agency currently use any specific tools, and if so, which ones?

Answer to question 67: The state does not have specific preference on outpatient services groupings, condition categories, or risk score calculations at this time. The state welcomes your feedback for specific tools based on your experience.

Question 68: Please describe the technical environment, systems resources, and personnel currently dedicated to this effort from the State Data Center, Data Warehouse, or any third-party-hosted solution under consideration.

Answer to question 68: The State Data Center provides space for entities wishing to store various types of information. It is essentially an open “rack space” for those wishing to store data, provided they adhere to the state’s standards. Should the APCD be located in the State Data Center, the state would expect the hosting and/or analytic vendor to provide system architecture diagrams and detailed system design specifications that will be used as the foundation for the new APCD infrastructure. The design may include all required components; server hardware configuration, storage needs and configuration, network requirements and communication requirement. These requirements would serve as the basis for a new hardware procurement/configuration that would reside within the State's Data Center. The state would expect the hosting and/or analytic vendor to manage and administer this environment within the existing Data Center. The state welcomes your feedback on the utility of this source based on your experience and estimates.

The Data Warehouse is housed in the Executive Office of Health and Human Services, and is managed by Hewlett Packard. The Data Warehouse hosts Medicaid Management Information System (MMIS) data including EOHHS program eligibility, authorizations, Medicaid fee for service (FFS) and Managed Care program and utilization data and program data for multiple state agencies. The Data Warehouse currently runs on a T4-4 Oracle Solaris 10 server. Production and development currently have 1 TB of SAN space allocated to it to a total of 2TB. All storage is on a separate SAN so growth is possible. The Data Warehouse has the capacity to develop and integrate supplementary services into the Warehouse’s to accommodate the APCD effort, including the expansion to allow multiple new end users to the Warehouse, should the state decided to locate it there. The state welcomes your feedback on the utility of this source based on your experience and estimates.

Question 69: Please describe the Data Warehouse – its current size, the number of years of claims data it holds, its available capacity, and whether it was originally or recently scaled to accommodate the APCD effort (including the forecasted number of users).

Answer to question 69: The Data Warehouse hosts Medicaid Management Information System (MMIS) data including EOHHS program eligibility, authorizations, Medicaid fee for service (FFS) and Managed Care program and utilization data and program data for multiple state agencies. The current capacity of the Data Warehouse allows storage of multiple years of state agency data from multiple data sources and is inclusive of the below listed data sources and refresh cycles:

- InRHODES for dates of service July 1, 2004 to present, data is updated daily.
- MMIS data for dates of service July 1, 2004 to present. Data is updated daily with one day lag.
- Community Support Management System (CSM) includes all available data

updated daily with one day lag

- The Department of Health (DOH) Minimum Datasets (MDS) includes all available data and the data is refreshed weekly with new/updated data added.
- The Department of Elderly Affairs (DEA) SAMS, BHDDH, DEA RIPAE and Personal Choices data sources includes all available data and data is refreshed weekly, each data source is updated with a complete overlay of data.
- Census Data includes current Rhode Island city population projections 2000-2030, and additional census data can be added as deemed necessary by EOHHS.

The Data Warehouse currently runs on a T4-4 Oracle Solaris 10 server. Production and development currently have 1 TB of SAN space allocated to it to a total of 2TB. All storage is on a separate SAN so growth is possible. The Data Warehouse has the capacity to develop and integrate supplementary services into the Warehouse's to accommodate the APCD effort including the expansion to allow multiple new end users to the Warehouse. The state welcomes your feedback on the utility of this source based on your experience and estimates.

Question 70: Also, please describe the State Data Center– its current size, data security protections, and whether it was originally or recently scaled to accommodate an APCD effort.

Answer to question 70: The State Data Center provides space for entities wishing to store various types of information. It is essentially an open “rack space” for those wishing to store data, provided they adhere to the state's standards. Should the APCD be located in the State Data Center, the state would expect the hosting and/or analytic vendor to provide system architecture diagrams and detailed system design specifications that will be used as the foundation for the new APCD infrastructure. The design may include all required components; server hardware configuration, storage needs and configuration, network requirements and communication requirement. These requirements would serve as the basis for a new hardware procurement/configuration that would reside within the State's Data Center. The state would expect the hosting and/or analytic vendor to manage and administer this environment within the existing data center. Further technical information is unavailable at this time. The state welcomes your feedback on the utility of this source based on your experience and estimates.

Question 71: When issuing an RFP, would the state consider assembling a bidders' library containing documents governing the state and relevant party hosted solutions (such as documents addressing the administration of State-hosted solutions, their security, and business continuity planning) as well as documentation of the data (such as entity relationship diagrams, metadata, descriptions of the tools and data base technology use, extraction/transformation/load plans and schedules, and user manuals)?

Answer to question 71: When issuing an RFP the state may request, but may not be limited to the following: a bidder's conference, bidder's library of documentation, and/or technical demonstration.

Question 72: Please identify any technology standards used by the State of Rhode Island or EOHHS.

Answer to question 72: The State of RI EOHHS utilizes both Microsoft Windows and Oracle Solaris for their Operating Systems. Web servers are served by both .NET and Java technologies. The Data Warehouse currently utilizes Informatica ETL (Extract, Transfer Load) Software, Business Objects as the User Interface with the current capacity of 150 end users which can be expanded, Infoview – View Web browser viewing and Web Intelligence – Query/Report Development.

Question 73: Please describe the anticipated users of the system. For example, what proportion do you envision will be query users (that will generate their own queries), report users (that will use pre-built parameter-driven reports), or power users (that will want to perform highly flexible analyses to answer the questions that have yet to be defined and require multiple complex passes and aggregation of the data)?

Answer to question 73: The state anticipates primary users of the APCD will be the four partner agencies: HEALTH, EOHHS/Medicaid, OHIC, HIX, but not limited to other state agencies and personnel. In addition, the state anticipates these users will vary from simple (using pre-built reports), to medium (generating their own queries), to power users (will perform complex analytics). The state welcomes feedback based on your experience and estimates.

Question 74: Does the agency have current standards or preferences for business intelligence, query, or statistical analysis tools (e.g., Cognos, SPSS, or SAS)?

Answer to question 74: The state does not have a preference for specific tools at this time. The state welcomes feedback based on your experience and estimates.

Question 75: Would current data services vendors be eligible to ultimately to bid on subsequent Data Analytics and Hosting contracts?

Answer to question 75: It is not the state's intent at this time to include data aggregation tasks in the Analytic and Hosting RFP, although the vendor is not prohibited from submitting a response.