

# Enterprise Data Warehouse Request for Proposals

## Questions with Answers

Prepared April 26, 2016 by the Office of the CIO

1. What are the operational drivers behind the project? Is there an existing system that is failing to meet CBH needs or is this a greenfield requirement?
2. Can you outline what is driving the requirement for this solution?

*While contracted through CBH, this environment is on behalf of the DBHIDS, the Department of Behavioral Health and Intellectual disAbility Services (the “department”). The department wants an enterprise data integration platform that can support a single source of data for reporting and analysis and provide master data management. Rudimentary enterprise data warehousing and master data management is being performed within a couple divisions. Independent data marts are in use in the largest division. None of these systems completely achieve the objectives of the DBHIDS Data Governance Framework Strategic Plan (attached).*

3. Are data management and data stewardship processes in place? If so, how are these defined and implemented?

*Yes. Please see the attached Data Governance Framework Strategic Plan and DGF Implementation Plan.*

4. Please describe the data sources (inputs) and data targets (outputs). Are any changes to these source systems planned?

*There are multiple data sources, including claims processing systems, clinical systems, and service delivery systems, along with traditional financial and HR data. Outputs will be primarily in the form of virtual and materialized data marts and KPI dashboards.*

*Unlike many public sector environments, we will not be ingesting data from mainframe systems or open source systems. We expect new sources to be identified and existing systems to be updated over time.*

5. How is data from these source(s) accessed today (ODBC? Flat files? Web services?) Will this change in future?
6. Can you provide more details about the interface we would be using to source the data? For instance, direct ODBC database access to the sources or flat files? Or consuming web services?

*All are likely, but predominantly ODBC access to SQL Server and ingestion of CSV/flat files. Data is accessed primarily as flat fixed-length or CSV files or through Microsoft SSIS. We expect that XML and JSON formats will be used in the future.*

7. At what frequency is data transferred?

*We perform nightly integration today but would want ability to perform sub-daily loading as needed.*

8. RFP Section II. B describes one data warehousing area (to be determined) and two dimensional data marts. When do you expect the initial data warehousing area and two data marts be defined?

*We expect to have these defined by mid-June 2016.*

9. How many users (consumers of the data) will there be?
10. Can you outline the estimated population of users for data warehouse and MDM?

*Initially we foresee several dozen DW data consumers. We want to grow this to eventually be several hundred DW data consumers. MDM will primarily be consumed by individual systems, not individual users.*

11. How many administrators will be assigned to each of the following areas:
  - a. Data warehouse / data mart?
  - b. MDM?
  - c. BI?
  - d. Are any of these shared across areas?

*We do not expect there to be more than two, possibly three, system administrators assigned in total across those technologies. Note that this includes neither developers nor database administrators.*

12. How many developers would be assigned to each of these areas: data warehouse/mart & MDM? Are any of these developers shared across areas?

*We anticipate three to five developers working on enterprise data warehouse and data mart data. We estimate three to five developers working on BI development. We estimate two developers working on master data management. These three areas will have nine or ten staff total, so some will be shared.*

13. Can you confirm timescales beyond the June 10th date for contract negotiations? For example, is there a go-live deadline other than 3 months after contract award?

***The dates in the RFP are the only pertinent dates. Timelines are subject to additional negotiation once the initial subject areas for the data warehouse and data marts are identified.***

14. Is budget approved and allocated for the requirements?

***We have budgeted for what we have estimated such a solution will cost. If responses exceed that amount we will need to reevaluate.***

15. What version of SQL Server do you plan to implement on?

***SQL Server Version 12.***

16. Can you outline the specific or exact certifications of SQL Server required?

***MCSA.***

17. If a solution negates the requirement for a particular certification (to those in question 16.), e.g. the data warehouse software is designed to optimize the physical database, is certification still required?

(Clarification) If we use software automation to design and optimise a warehouse, we remove the requirement for skilled resource. It's like having a driverless car – would you still need someone to have a driver's license?

***If the solution does not require a RDBMS then no certification is required. If the solution requires a RDBMS that is provided as an OEM component and for which no separate installation, configuration or administration is needed independently of the installation, configuration and administration activities for the data warehouse platform then no certification is required.***

***The intent is to have an expertly installed solution which will not result in installation and configuration problems falling solely onto the backs of existing internal staff.***

18. What is the anticipated number of entities in the data warehouse/MDM?

***Including all reference entities, about one hundred.***

19. Are there any data matching, data harmonization or survivorship requirements?

***Yes. All or almost all are defined for the initial MDM domain. Many are defined for the others.***