



MPATH Enterprise Data Warehouse – New Data Source Onboarding Process

| Task No. | Task | Definition | Owner | Duration | Dependencies |
|---------------------------|--|--|-------------------------------|--|---|
| Onboard Data Tasks | | | | | |
| 1. | Identify the new Data Source, data owner, contact information | MPATH needs to be able to communicate with the functional and technical resources related to the data source. | Requestor and Data Owner | 1 Week | |
| 2. | Execute Data Sharing Agreement when necessary | If the Data Owner is not a current Business Associate with an executed Business Associates Agreement on file, execute either a BAA or a data sharing agreement between DPHHS and the Data Owner. If these are two DPHHS Divisions, an agreement may still be necessary. | Data Owner & MPATH | 3 Weeks | This task can work in parallel with Task 3. |
| 3. | Data Source Detailed Data File Information | Provide MPATH with detailed file and field definitions for every file in the data source along with sample files (with real data) for each file included in the data source. Create entity keys and provide updated information to Deloitte. | Data Owner | 2 Weeks (dependent on the Data Owner and availability of the information and data) | Predecessor: Task 1 |
| 4. | Establish Secure File Sharing via the MPATH Integration Platform and the Source System | MPATH/Deloitte team will work with Data Owner technical staff. | MPATH / Data Owner / Deloitte | 2 Weeks | Parallel with Tasks 2 and 3 |
| 5. | Onboard the data | Analyze the data, establish the relationship between the tables. Create the data structures in the Enterprise Data Warehouse. Determine what (if any) data needs to be loaded into the Population Health data structure. Validate test data against clinical registries (if appropriate). In addition, configure the data collector API to receive data files for the data source from the MPATH Integration Platform. | MPATH / Cerner | 4-6 Weeks (EDW only) 6-8 Weeks (both EDW and Population Health data) | Predecessor: Task 4 |



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| 6. | Configure the Data Collector Load for the New Data Source | Configure the MPATH Integration Platform to receive the data source/data source files, create the transformations (if required – such as adding headers, adding delimiters, transform, add keys, etc.), configure mappings, and test the actual load to the validation environment. | MPATH / Deloitte | 3 Weeks | Predecessor: Tasks 3 and 4 |
| 7. | Data Owner automate the submission of daily/weekly (or the desired interval) file submission process to the MPATH Integration Platform | Data Owner to configure their technology systems to create the periodic data files and send them securely to the MPATH Integration Platform (if they are unable to send the data, they can place the data in a secure location on their servers and the MPATH Integration Platform can retrieve the files). | Data Owner | TBD (shouldn't take more than 2 Weeks) | Predecessor: Task 4 |
| 8. | Validate the Data and Data Collector Load | Review the data set(s) in the validation environment with the sample data provided. | MPATH / Requestor | 1 Week | Predecessor: Task 5 |
| 9. | Migrate the Data Source Integration to MPATH Integration Platform Production Environment | Deploy the Data Source Integration configuration to the production environment. | MPATH / Deloitte | 3 Days | |
| 10. | Migrate Data Source Structure to Production Enterprise Data Warehouse. | Deploy the Data Source configurations to the production environment. | Cerner | 3 Days | Predecessor: Task 8 |
| 11. | Send Initial (historical) Production Data from the Data Owner. | Data Owner creates historical extract for the initial load into the Production Enterprise Data Warehouse. | Data Owner | 1 Day | Predecessor: Task 4 |
| 12. | Load the Data Source in Production | Automated process | MPATH / Cerner | 1-3 Days (depending on amount of history) | Predecessor: Task 11 |
| <i>Info Only</i> | <i>Data Accessible to query using SQL via the HealthAnalytics Query tool</i> | <i>Not recommended for novice users.</i> | <i>Data Requestor</i> | <i>N/A</i> | <i>Predecessor: Task 11</i> |



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| Using the Onboarded Data Tasks | | | | | |
| 13. | Develop Data Model in validation environment to be used for ad hoc reporting and Tableau Visualizations | This step is necessary to create a data model that can be used by an end user/analyst to develop business object reports. Incorporate Security. | MPATH / Cerner | 4 Weeks (Simple) 6 Weeks (Moderate) 8-12 Weeks (Complex) | Predecessor: Task 5 |
| 14. | Migrate data model to Production | This step is completed when DPHHS completes User Acceptance Testing and approves the model/report for Production. Incorporate Security. | MPATH / Cerner | 1 Day (Simple) 3 Days (Moderate) 1 Week (Complex) | Predecessor: Task 13 |
| 15. | OPTIONAL: Develop Shared Business Object Report(s) using Data Source for Requestor | Includes developing the report, configuring security, and testing the report. | MPATH / Cerner | 2-4 Weeks per Report | Predecessor: Task 13 |
| 16. | Migrate report to Production | This step is completed when DPHHS completes User Acceptance Testing and approves the model/report for Production. Incorporate Security. | MPATH / Cerner | 1-3 Days | Predecessor: Task 15 |
| 17. | OPTIONAL: Develop Tableau Visualization using Data Source for Requestor | Includes developing the visualization, configuring security, and testing the report. | MPATH / Cerner | 3-5 Weeks Per Visualization | Predecessor: Task 13 |
| 18. | Migrate visualization to Production | This step is completed when DPHHS completes User Acceptance Testing and approves the visualization for Production. Incorporate Security. | MPATH / Cerner | 1-3 Days | Predecessor: Task 17 |
| 19. | OPTIONAL: Provide End User Training | Each Data Model, Report, and Visualization requires some level of training for end users. | MPATH | 1-2 Days | |