



COMAR 10.25.06 – *Maryland Medical Care Data Base and Data Collection*

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# MCDB

2016 MEDICAL CARE DATA BASE

# DATA SUBMISSION MANUAL

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**COMAR 10.25.06 – MARYLAND MEDICAL CARE DATA BASE (MCDB) SUBMISSION MANUAL**

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## DATA SUBMISSION MANUAL

### INTRODUCTION

**PURPOSE:** The 2016 Medical Care Data Base (MCDB) Data Submission Manual (DSM) is designed to provide designated reporting entities with guidelines of technical specifications, layouts, and definitions necessary for filing the reports required under COMAR 10.25.06. This manual incorporates new information, as well as all recent updates. Changes from the 2015 manual are summarized in **Appendix A**. The MCDB is administered by the Maryland Health Care Commission (MHCC or Commission) and the manual and related documents are available on the Commission's website at: [http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdb/apcd\\_mcdb.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdb/apcd_mcdb.aspx).

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## DESIGNATED REPORTING ENTITIES

The following entities are defined in COMAR 10.25.06.03 and designated by the Commission to provide data to the MCDB:

- (1) Each payor whose total lives covered exceeds 1,000, as reported to the Maryland Insurance Administration;
- (2) Each payor offering a qualified health plan, qualified dental plan, or qualified vision plan certified by the Maryland Health Benefit Exchange (MHBE), Insurance Article, §31-115, Annotated Code of Maryland; and
- (3) Each payor that is a managed care organization participating in the Maryland Medical Assistance Program in connection with the enrollment of an individual in the Maryland Medical Assistance Program or the Maryland Children's Health Program;

The Commission will post known reporting entities on its website at

[http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdb/apcd\\_mcdb.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdb/apcd_mcdb.aspx). Entities who meet the specifications in COMAR 10.25.06.03 are required to report, even if they are not explicitly listed on the website. A glossary of reporting entity definitions can be found in Appendix B.

## REQUIRED REPORTS OVERVIEW

Each reporting entity shall provide the required reports and include all services provided to:

- (1) Each Maryland resident insured under a fully insured contract or a self-insured contract; and
- (2) Each non-Maryland resident insured under a Maryland contract.

Claims for all Maryland residents covered by your company should be included regardless of where the contract is written; for example, if your company covers Maryland residents under a contract written in Virginia, the claims for these residents should be included in your submission. Similarly, all members covered under a Maryland contract must be included, regardless of their state of residence; for example, a member residing in Virginia and covered under a Maryland contract should be included in your submission.

Descriptions of the reports are provided below. The reports should follow the file layout and instructions provided in the 2016 Data File Record Layout Guide, available on the MHCC website at

[http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdb/apcd\\_mcdb.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdb/apcd_mcdb.aspx).

For membership information reported in the Eligibility Data Report, please provide information for all members who are eligible during the reporting period. For claims reported, please select claims based on the claims paid date. Please ensure consistency with Finance and Actuarial Departments, particularly if reports are submitted by your company to the Maryland Insurance Administration. If there are substantial lags between adjudication date and paid date, or, you would like to make a case for selecting claims based on adjudication date, please submit a format modification request. Please refer to Appendix C for guidance on patient identifiers, and Appendix D for guidance on financial data elements. All reports must be submitted via the MCDB Portal. Instructions for the MCDB Portal are provided in Appendix E.

**ELIGIBILITY DATA REPORT:** The **Eligibility** Data Report should include information on the characteristics of all enrollees covered for medical or pharmacy services under the plan during the reporting period. (**COMAR 10.25.06.11**). Please provide an entry for each month that the enrollee was regardless of whether or not the enrollee received any covered services during the reporting quarter. Based on quarterly reporting, an enrollee with 3 months of coverage will have 3 eligibility records; an enrollee with 1 month of coverage will only have 1 record.

As part of the eligibility data reporting, payors are required to report demographic data to develop the Master Patient Index (MPI), a technology used by the Chesapeake Regional Information System for Our Patients (CRISP), which identifies patients across all submitting MCDB payors. Beginning with 2015 data reporting, all payors are required to submit a Demographics File to CRISP who will generate the MPI and provide an MPI to payor-encrypted ID cross-walk file to MHCC. Payors should leave the MPI field blank on the Eligibility Data Report. Payors are required to submit data to CRISP following the data specifications and Carrier Onboarding Process specified in Appendix C. Please see Appendix C for a description of the different member identifiers to be included in the data reports.

**PROFESSIONAL SERVICES DATA REPORT:** The **Professional Services** Data Report should include all fee-for-service and capitated care encounters (e.g. CMS 1500 claims, HIPPA 870P, etc.,) for services provided by health care practitioners and office facilities to applicable insureds during the reporting period, regardless of the location of the service (e.g. include out of state services). (**COMAR 10.25.06.07**). This report should include services for claims paid in the reporting period, regardless of the date of service.

**This does not include hospital facility services documented on UB-04 claims forms.**

The following medical services must be included:

- Physician services
- Non-physician health care professionals
- Freestanding Office Facilities (e.g. radiology centers, ambulatory surgical centers, birthing centers, etc.)
- Durable Medical Equipment (DME)
- Dental – if services are provided under a medical benefit package
- Vision - if services are provided under a medical benefit package
- Tests and imaging services

All members with services in the Professional Services Data Report must be represented in the Eligibility Data Report for the reporting period corresponding to the date of service reported, but not necessarily corresponding to the date that the claim was paid. For example, if a service was provided during 2016 Q1 and the corresponding claim was paid in 2016 Q2, then the member's eligibility information must be in the Eligibility Data Report for 2016 Q1, and the claim should appear in the Professional Services Data Report for 2016 Q2. The member should only appear in the Eligibility Data Report for 2016 Q2 if the member was still eligible for benefits during 2016 Q2.

**INSTITUTIONAL SERVICES DATA REPORT:** The **Institutional Services** Data Report should include all institutional health care services provided to applicable insureds during the reporting period. (**COMAR 10.25.06.10**). This data file reports all institutional health care services provided to Maryland residents, whether those services were provided by a health care facility located in-State or out-of-State. This report should include services for claims paid in the reporting period, regardless of the date of service.

Unlike in previous years where institutional services claims were rolled-up for the entire report, in 2016 claims will be reported on a per-line basis (by revenue code for inpatient and by procedure code for outpatient claims). For example, a claim line is defined as follows: For inpatient facility (hospital and non-hospital), each line would be defined by revenue code. Each line will have one revenue code. However, each revenue code can have more than one procedure or diagnosis code. For outpatient facility (hospital and non-hospital), each line would be defined by revenue code or CPT code. Each line will have one revenue code or at least one CPT code. If a revenue code is not available or applicable, the revenue code is not available, the field should be left blank and a CPT code should be used to identify the claim line. All diagnosis codes should be repeated on all lines of a claim. For inpatient claims, all ICD procedure codes present on the same claim should be replicated for each line of the same claim. For example, this means that multiple revenue codes for the same claim will have the same diagnosis and procedure codes.

**PHARMACY DATA REPORT:** The **Pharmacy** Data Report should include all pharmacy services provided to applicable insureds during the reporting period, whether the services were provided by a pharmacy located in Maryland or out-of State. (**COMAR 10.25.06.08**). This report should include services for claims paid in the reporting period, regardless of the date of service.

**DENTAL SERVICES DATA REPORT:** The **Dental** Data Report should include all dental services provided to applicable insureds enrolled in Qualified Dental Plans (certified by the MHBE) during the reporting period, whether the services were provided by a practitioner or office facility located in Maryland or out-of State. (**COMAR 10.25.06.13**). The format for this report is designed to be consistent with professional services claims and encounters, but modified to be specific to dental services. This report should include services for claims paid in the reporting period, regardless of the date of service.

**PROVIDER DIRECTORY REPORT:** The **Provider Directory** Report should include information on all Maryland and out-of-State health care practitioners and suppliers that provided services to applicable insureds during the reporting period. **(COMAR 10.25.06.09)**. The Provider Directory must contain all providers identified in the Professional Services, Institutional Services, Pharmacy, and Dental Services Data Reports. The Provider Directory must have a crosswalk between your internal practitioner (individual or organization) ID and the NPI.

**PLAN BENEFIT DESIGN REPORT:** The **Plan Benefit Design** Report **(COMAR 10.25.06.12)** will report details of coverage and benefits for all enrollees. This report is under development. Reporting entities that are required to provide this report will be provided an opportunity to participate in the development and testing of this report.

**NON-FEE-FOR-SERVICE MEDICAL EXPENSES REPORT:** The **Non-Fee-for-Service Medical Expenses** Report **(COMAR 10.25.06.14)** will report details of non-fee-for-service payments made to providers. These may include shared savings payments, incentive or performance payments, fixed transformation payments, etc. This report is under development. Reporting entities that are required to provide this report will be provided an opportunity to participate in the development and testing of this report.

**REQUIRED REPORTS FOR REPORTING ENTITIES:**

Reporting Entities	Professional Services	Pharmacy Services	Provider Directory	Institutional Services	Eligibility	Dental Services	Plan Benefit Design	Non-FFS Medical Expenses
Payors	X	X	X	X	X	-	Testing only	Testing only
Qualified Health Plans	X	X	X	X	X	-		
Qualified Dental Plans	-	-	X	-	X	X		
Qualified Vision Plans	X	-	X	-	X	-		
Medicaid Managed Care Organizations *	X	X	X	X	X	-		
Third Party Administrators (General Benefit Plans)	X	X	X	X	X	-	Testing only	Testing only
Third Party Administrators (Behavioral Health Services)	X	X	X	X	X	-	Testing only	Testing only
Pharmacy Benefit Managers	-	X	-	-	X	-	Testing only	Testing only

\*Data for Medicaid Managed Care Organizations are currently submitted by The Hilltop Institute.

## 2016 MCDB DATA SUBMISSION SCHEDULE:

All data reports for each quarter of data are due two months after the end of the quarter. The deadline is for the final date of submission, with initial submissions and format modifications being completed in the preceding month. If a reporting entity does not submit complete and accurate data that clears all validation steps by the date of the deadline or approved extension, MHCC may fine the entity up to \$1,000/day per report (COMAR 10.25.12). Each of the reports defined in the Required Reports Overview above are considered an independent report, for which fines may apply.

<b>2016 Medical Care Data Base Submission Schedule</b>				
MCDB Data Reporting	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Reporting Period (Based on Paid Date)	01/01/16 – 03/31/16	04/01/16 – 06/30/16	07/01/16 – 09/30/16	10/01/16– 12/31/16
Annual Waiver Request Due Date	01/15/2016	01/15/2016	01/15/2016	01/15/2016
Data Submission Begin Date				
“Pre-Submission” Format Modifications Request Begin Date	4/1/2016	7/1/2016	10/1/2016	1/1/2017
Preliminary Data Submission Due Date				
“Pre-Submission” Format Modifications Request Due Date	04/30/2016	07/31/2016	10/31/2016	01/31/2017
Extension Request Due Date				
“Post-Submission” Format Modifications Request Due Date	05/15/2016	08/15/2016	11/15/16	02/15/17
Final Data Submission Due Date	<b>05/31/2016</b>	<b>08/31/2016</b>	<b>11/30/16</b>	<b>02/28/17</b>

## ANNUAL WAIVER, FORMAT MODIFICATION, and EXTENSION REQUESTS

Payors may apply for annual waivers (COMAR 10.25.06.17A) to seek exemption from reporting one or all files for the entire year; format modifications (COMAR 10.25.06.17B) to request variances on threshold requirements, modify response values, or field lengths; and extensions (COMAR 10.25.06.16) to seek a delay in the submission deadline. All requests must be submitted via the MCDB Portal. For further instructions, see MCDB Portal Instructions in Appendix D. The MHCC staff assesses each payor’s request(s) based on that payor’s particular circumstances. Payor’s must provide detailed explanations and plans for remediation for each request.

Typically, annual waivers are only provided if the payor is able to document that they do not meet the reporting threshold or that the regulations do not apply to them. Extension requests will be considered only as exceptions and in the case of extraordinary circumstances.

Payors are reminded to submit format modification requests only for those data elements that have an assigned threshold value. It is important that payors reference the MCDB Data Quality Reports (DQR) before submitting their data element and modified threshold requests. The DQRs will be provided within the MCDB Portal and are designed to provide payors with a comparison of information reported and threshold values assigned, as well as detailed changes in key measures including total number of recipients, services, and payments from the previous submission. Payors are encouraged to respond to the DQRs on the MCDB Portal with feedback related to their data submission. Values labeled as "Unknown" or "Not Coded" do not contribute to meeting required threshold values. In the event that your submission includes enough of these values that it would fail to meet the required threshold, please request a format modification for these fields. Submissions that do not meet the specific thresholds listed in the DSM File Record Layout Guide will be rejected unless a format modification was obtained.

## FORMATTING NOTES

### ● LAYOUT

- Files can be submitted in one of three layouts: Flat file, delimited with pipe (|), or delimited with comma (,).
- Each record (row) must have the same length if using the flat format.
- Match the layout of the file submission with the appropriate data report specifications.
- If a delimiter is applied to a file, each record (row) must have the same count of the chosen delimiter.

### ● NUMERIC FIELDS

- **RIGHT** justify all NUMERIC fields
- **POPULATE** any NUMERIC field for which you have no data to report with **ZEROS**—except the financial fields for capitated/global contract services (see below).
- If an entry is less than the allowed field length for that field, then insert spaces to represent the empty positions so that the specified field length is fulfilled. Do not add leading zeroes or any other characters except a negative sign when applicable.
- **DO NOT** add leading zeroes to amount/financial fields.
- **Financial fields** for capitated or global contract services that lack data are to be filled with -999. Do NOT use -999 as a filler unless the field is absolutely capitated (the record status must be equal to 8). If you have the patient liability information (patient co-pay, patient deductible, other patient obligation) for these services, you must report the patient liability values, even though the other financial fields (billed charge, allowed amount, reimbursement amount) are lacking data.

### ● ALPHANUMERIC FIELDS

- **LEFT** justify all ALPHANUMERIC fields.
- Leave **BLANK** any ALPHANUMERIC fields for which you have no data to report. If utilizing a flat format rather than a delimited-format, pad the field with spaces up to the allowed field length to help ensure that each record has the same length.
- **DO NOT** use filler values to indicate blank fields, such as "U", "\*", or "N/A", etc.

Other qualitative data needed by MHCC to analyze the data will be collected via the MCDB Portal. These data will be updated once a year.



Each field will be analyzed for completion and accuracy, even those without threshold guidelines. Payors will be expected to provide explanations and plans for mitigation regarding fields which seem incomplete, as well as fields which demonstrate a trend of deterioration.

## **DOCUMENTATION FOR 2016 SUBMISSION DATA**

There will be no documentation necessary for 2016 submission data, however, payors will be prompted to look at the data quality reports and confirm that the summary data are consistent with their business experiences.

## **RECORD LAYOUT and FILE SPECIFICATIONS**

The record layout and data element specifications are available for download at [http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdb/apcd\\_mcdb.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdb/apcd_mcdb.aspx), and are an integral part of this manual. A Frequently Asked Questions guide (FAQ) about the data submission process has been provided in Appendix F.

For 2016 data, a series of changes to the record layout are being made in order to provide payors with ways to reference specific fields while communicating questions or concerns. Field IDs are being given file designations in order to allow payers and MHCC to communicate problems with fields that exist in multiple files. For example, Patient Year and Month of Birth in the Professional Services file is now Field ID P004, while the same field in the Institutional file is Field ID I004. In addition, an index reference page has been added to the record layout in order to allow specific fields to be easily located between files. The index is designed to be easily accessible, and includes a list of reference numbers for each field, as well as field lengths and character type notes.

## **SPECIAL CONSIDERATIONS for 2016 MCDB DATA SUBMISSIONS**

Values labeled as "Unknown" or "Not Coded" do not contribute to meeting required threshold values. In the event that your submission includes enough of these values that it would fail to meet the required threshold, please request a waiver for these fields.

Source System may no longer be left blank. If only reporting for one source system, use the default value of "A."

Date of Disenrollment should no longer be left blank if active. Instead, use the value "20991231."

The reporting of financial fields have been streamlined across all files. Report all financial fields as whole numbers without decimal places, rounded to the nearest whole digit. For example, if a financial field was collected as "154.95," it would be reported as "155."

Prior to 2016, financial fields in the Pharmacy file were reported with two implied decimal places. Please discontinue using this format and report the financial fields as whole numbers as in the example above.

## **APPENDICES**

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- APPENDIX A – CHANGE LOG (2015-2016)
  - APPENDIX B – GLOSSARY OF REPORTING ENTITY  
DEFINITIONS
  - APPENDIX C – PATIENT, PLAN, AND PAYOR IDENTIFIERS
  - APPENDIX D – FINANCIAL DATA ELEMENTS
  - APPENDIX E – MCDB PORTAL INSTRUCTIONS
  - APPENDIX F – FREQUENTLY ASKED QUESTIONS (FAQ)
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# Appendix A – Change Log (2015-2016)

## Major Changes to 2016 Data Submission Manual:

- Removed from 2015 DSM (Page numbers reference 2015 DSM)
  - Removed notes about the move to quarterly data submissions in 2015 (page 3).
  - Removed need for documentation of data being submitted to the Portal (page 7).
  - Removed specifications on decimal place usage from financial table (page 14).
- New and Modified in 2016 DSM (Page numbers reference 2016 DSM)
  - Added explanation for how claim line is defined for inpatient and outpatient records (page 3).
  - Added preliminary data submission due dates and modified format modification waiver due dates to occur “pre-submission” and “post-submission” (page 5).
  - Added submission schedule for CRISP data (page 5).
  - Added categories to formatting notes for improved readability (page 6).
  - Added note that qualitative data will be collected on the MCDB Portal (page 6).
  - Added note about field ID changes in the 2016 File Record Layout Guide (page 7).
  - Added note to special considerations regarding the change to financial fields (page 7).
  - Added definitions for Metal Actuarial Values, Non-Grandfathered Health Plans, and Grandfathered Health Plans” to glossary (page 13).
  - Changed MPI wording to reflect the permanent implementation (page 15).
  - Added note that all financial fields should be reported with two decimal places (page 16).
  - Added checklist for data validation of MCDB Portal submissions (page 18).
  - Updated FAQ guide with payer feedback from 2015 (page 21).

## Major Changes to 2016 File Record Layout Guide:

- **Added individual field IDs to each field in order to differentiate similar fields between files.**
- **Added validation rules to clarify how fields are checked for accuracy and validity.**
- **Moved parenthetical field notes to field contents for all fields for consistency.**
- **Added note to all financial fields to report information as rounded whole numbers without decimal places.**
- **Removed “decimal place” column, information was subsumed into description and field contents columns.**
- **Changed Institutional Services file to a line-level file format.**
- **Added field index page.**
- **All Files –**
  - Claim Paid Date - Added instructions on contacting MHCC if there is a lag between the time a claim is authorized and paid.
  - Former Claim Number – Lowered threshold to 30% from 100%.
  - Patient/Encrypted Enrollee’s IdentifierP –
    - Changed name to “Encrypted Enrollee’s IdentifierP” in all files to match Eligibility file.

- Added instructions to contact MHCC if encryption algorithm changes.
  - Added specification that ID must remain consistent between reporting quarters.
  - Added note that field must be unique for each beneficiary.
- Patient/Encrypted Enrollee's Identifier U –
  - Changed name to "Encrypted Enrollee's IdentifierU" in all files to match Eligibility file.
  - Added note that field must remain consistent between reporting quarters.
- Patient/Enrollee Zip Code+4 digit add-on code –
  - Changed name to "Enrollee Zip Code of Residence +4 digit add-on code" in all files to match Eligibility file.
  - Added instructions for submitting if 4-digit code is not available.
- Patient Sex – Changed name to "Enrollee Sex" in all files to match Eligibility file.
- Patient Year and Month of Birth – Changed name to "Enrollee Year and Month of Birth" in all files to match Eligibility file.
- Source System - Changed consistency requirements from "year to year" to "quarter to quarter."
- **Professional Services –**
  - Coverage Type - Updated valid values table.
  - Source Company – Added note that field is optional, but must be populated in the Eligibility file.
  - Diagnosis Code 1 - Moved instructions regarding embedded decimal point to "field contents."
  - Diagnosis Code 2-10 - Added reference to Diagnosis Code 1 in "description."
  - Service Thru Date - Moved footnote to "field contents."
  - Service Location Zip Code+4 digit add-on code - Added instructions for submitting if 4-digit code is not available.
  - Service Unit Indicator - Removed instructions to request a waiver if "8 - Minutes of Anesthesia" is reported.
  - Units of Service - Changed instructions to submit whole numbers only.
  - Date of Enrollment - Added note that field is optional, but must be populated in the Eligibility file.
  - Date of Disenrollment - Added note that field is optional, but must be populated in the Eligibility file.
  - Plan Liability –
    - Added note that field is optional, but must be populated in the Eligibility file.
    - Changed Type from N to A to match Eligibility file.
  - Product Type - Added note that field is optional, but must be populated in the Eligibility file.
  - CPT Category II Code - Added reference to CPT Category II Code 1 in "description."
  - Reporting Quarter – Changed Type from N to A to match other files.
  - **Flag for Former Claim Number Use – Added field.**
  - **National Drug Code (NDC) – Added field.**
  - **Drug Quantity – Added field.**
- **Pharmacy –**
  - Pharmacy NCPDP Number - Added note to request a waiver if using Pharmacy NPI instead.
  - Practitioner DEA Number - Added note to request a waiver if using NPI instead.

- NDC Number - Added instructions to not drop leading zeroes.
- Patient Coinsurance or Patient Co-payment – Changed Type to N to match other files.
- Date of Enrollment - Added note that field is optional, but must be populated in the Eligibility file.
- Date of Disenrollment - Added note that field is optional, but must be populated in the Eligibility file.
- **Flag for Former Claim Number Use – Added field.**
- **Institutional Services –**
  - Date of Enrollment - Added note that field is optional, but must be populated in the Eligibility file.
  - Date of Disenrollment - Added note that field is optional, but must be populated in the Eligibility file.
  - Date of Discharge or End of Service - Moved footnote to "field contents."
  - Diagnosis Code Present on Admission 1-29 –
    - Moved instructions regarding embedded decimal point to "field contents."
    - Added "0 - Not a hospital inpatient record" to list of valid values.
  - Principal Procedure Code 1 –
    - Moved instructions regarding embedded decimal point to "field contents."
    - Added note for how claim line is defined for inpatient and outpatient records.
  - Other Procedure Code –
    - Moved instructions regarding embedded decimal point to "field contents."
    - Added note for how claim line is defined for inpatient and outpatient records.
  - All Procedure Codes –
    - **Extended field length from 6 to 7 to accommodate ICD-10 codes.**
  - Procedure Code Modifier I - Added reference to Procedure Code 1 Modifier 1 in "description."
  - Procedure Code Modifier II - Added description.
  - Revenue Code 1 - Added note for how claim line is defined for inpatient and outpatient records.
  - **Removed Other Revenue Code 2-23. Revenue Code 1 will be only revenue code reported, and records will be reported per line item.**
  - Claim Line Number - Added note for how claim line is defined for inpatient and outpatient records.
  - **Flag for Former Claim Number Use – Added field.**
- **Dental Services –**
  - Coverage Type - Updated valid values table.
  - Source Company – Added note that field is optional, but must be populated in the Eligibility file.
  - Participating Provider Status –
    - Changed name of field to match Professional Services file.
    - Changed Type to A to match Professional Services file.
  - Service Thru Date - Moved footnote to "field contents."
  - Service Location Zip Code+4 digit add-on code - Added instructions for submitting if 4-digit code is not available.
  - Date of Enrollment - Added note that field is optional, but must be populated in the Eligibility file.

- Date of Disenrollment - Added note that field is optional, but must be populated in the Eligibility file.
- Product Type –
  - Added note that field is optional, but must be populated in the Eligibility file.
  - Reworded definition for clarity.
- Tooth Surface - Added reference to Tooth Surface - 1 in "description."
- Dental Quadrant 2-4 - Added reference to Dental Quadrant - 1 in "description."
- **Flag for Former Claim Number Use – Added field.**
- **Eligibility –**
  - Encrypted Contract or Group Number - Added instructions to request a waiver for records with an individual plan.
  - Coverage Type – Updated valid values table.
  - Employer Federal Tax ID Number - Added instructions to request a waiver for records with an individual plan.
  - Coverage Indicators (Medical, Pharmacy, BHS, and Dental) – Changed name from "Service Indicator" to "Coverage Indicator."
  - Start Date of Coverage - Added clarifications related to monthly eligibility snapshot formatting.
  - End Date of Coverage - Added clarifications related to monthly eligibility snapshot formatting.
  - Date of First Enrollment –
    - Removed footnote, added to field description instead.
    - Added instructions that field should be consistent between records.
  - Date of Disenrollment - Added instructions that field should be consistent between records.
  - Coverage Period End Date - Added clarification related to which date should be included.
  - Grandfathered Plan Indicator – Added definition for Grandfathered Plan, as well as note that field only applies to individual and small group markets.
  - Subscriber ID Number - Changed "Patient ID" to "Subscriber ID" in description.
  - Health Insurance Oversight System (HIOS) Number - Changed requirement to only include Non-Grandfathered Individual and Small Group Health Plans or Qualified Health Plans (QHPs)
  - Master Patient Index - Added instructions not to request waiver.
  - **Metal Level Plan Indicator – Added field.**
  - **Cost-Sharing Reduction Indicator – Added field.**
- **Provider –**
  - Practitioner/Supplier ID - Added note that field must match fields in Professional Services, Dental Services, and Pharmacy files.
  - Practitioner/Supplier Last Name or Multi-practitioner Health Care Organization – Added note to use specific (separate) fields for Practitioner First Name and Last Name.
  - Practitioner/Supplier Specialty 1 –
    - Added note about populating if Practitioner Individual NPI and Practitioner Organizational NPI are left blank.
    - Added note about internal practitioner specialty coding.
  - Practitioner Organizational NPI Number - Added note that field must be populated if practitioner is a Multi-Practitioner Health Care Organization.

# Appendix B – Glossary of Reporting Entity Definitions

**Payor** - (a) An insurer or nonprofit health service plan that holds a certificate of authority and provides health insurance policies or contracts in Maryland; (b) a health maintenance organization (HMO) that holds a certificate of authority in Maryland; or (c) Third Party Administrator registered as an administrator under Title 8, Subtitle 3 of the Insurance Article.

**Qualified Health Plan (QHP)** - A general health benefit plan that has been certified by the Maryland Health Benefit Exchange to meet the criteria for certification described in §1311(c) of the Affordable Care Act and Insurance Article, §31-115, Annotated Code of Maryland.

**Qualified Dental Plan (QDP)** - A dental plan certified by the Maryland Health Benefit Exchange that provides limited scope dental benefits, as described in § 1311(c) of the Affordable Care Act and Insurance Article, §31-115, Annotated Code of Maryland.

**Qualified Vision Plan (QVP)** - A vision plan certified by the Maryland Health Benefit Exchange that provides limited scope vision benefits, as described in the Insurance Article, §31-108(b)(3) Annotated Code of Maryland.

**Third Party Administrator (TPA)** - A person (entity, etc.,) that is registered as an administrator under Title 8, Subtitle 3 of the Insurance Article, whose total lives covered on behalf of Maryland employers exceeds 1,000, as reported to the Maryland Insurance Administration. The TPA definition includes Behavioral Health Administrators and Pharmacy Benefit Managers.

**A Pharmacy Benefit Manager (PBM)** - A person (entity, etc.,) that performs pharmacy benefit management services, a term that includes: the procurement of prescription drugs at a negotiated rate for dispensation to beneficiaries; the administration or management of prescription drug coverage, including mail service pharmacies, claims processing, clinical formulary development, rebate administration, patient compliance programs, or disease management programs.

**Managed Care Organization (MCO)** - A certified health maintenance organization or a corporation that is a managed care system that is authorized to receive medical assistance prepaid capitation payments, enrolls only program recipients or individuals or families served under the Maryland Children's Health Program, and is subject to the requirements of Health-General Article §15-102.4, Annotated Code of Maryland.

**Metal Actuarial Value (Metal AV)** – The AV used to determine benefit packages that meet defined metal tiers for all non-grandfathered individual and insured employer-sponsored small-group market plans. In the individual and small-group markets, the metal AV is expected to be used by consumers to compare the relative generosity of health plans with different cost-sharing attributes. For standard plan designs, health plan will determine AV using a Human Health Services (HHS)-developed AV calculator. This calculator will guarantee plans with the same cost sharing structure will have the same actuarial value (regardless of plan discount or utilization estimates). If an issuer (payor) determines that a material aspect of its plan design cannot be accommodated by the AV Calculator, HHS allows for alternative calculation methods supported by certification from an actuary.

**Non-Grandfathered Health Plans** – Health plans offered in the individual and small group markets (inside and outside of the Exchanges) must cover the essential health benefits package, which includes (1) Covering essential health benefits (EHB), (2) Meeting certain actuarial value (AV) standards and (3) Meeting certain limits on cost sharing.

**Grandfathered Health Plans** – Please see definition in HHS rules 45-CFR-147.140 at: <https://www.federalregister.gov/select-citation/2013/06/03/45-CFR-147.140>

# Appendix C – Patient, Plan, and Payor Identifiers

The MCDB here are several patient, plan, and payor identifiers included in the MCDB data reports. Payor ID, Plan or Product ID #, Subscriber ID #, and Encrypted Contract or Group # are defined as follows: (a) Payor ID is assigned by MHCC and helps identify the reporting company; (b) Plan or Product ID # is an internal (payor) ID for the claims adjudication system and would be the main linker to the benefit design information; (c) Encrypted Contract or Group # is the ID/number associated with the group (e.g. State of Maryland, Business ABC, etc.,) policy number (could be the individual contract number in the case of individual market); and (d) Subscriber ID # is the individual's policy number (usually the same within a family policy).

There are three patient identifiers included in the MCDB data reports: (a) Payor Encrypted Patient Identifier is the payor's internal identifier for the member; (b) the Universally Unique Identifier (UUID) is generated by the payor using an encryption algorithm provided by MHCC; and (c) the Master Patient Index (MPI) is created by the State Designated Health Information Exchange (HIE) on behalf of the MHCC based on data provided by the payor to the HIE. The payor encrypted ID and UUID are reported on the eligibility and claims files. While there is a field allocated for the MPI, payors will not be required to submit it as part of their report. Instead, payors will be required to submit a demographic file to the HIE, who will generate the MPI and provide a cross-walk of the payor-encrypted ID and MPI to the MHCC. Additional details and instructions regarding the UUID and MPI are provided below.

## UNIVERSALLY UNIQUE IDENTIFIER (UUID) – Cross Payor Encryption Algorithm

In order to maintain a consistent and unique identifier for each patient across providers, payors, and services, the MHCC shall, as necessary, provide each reporting entity with an encryption algorithm, **Universally Unique Identifier (UUID)**, using one-way hashing consistent with the Advanced Encryption Standard (AES) recognized by the National Institute of Standards and Technology. Each reporting entity shall maintain the security and preserve the confidentiality of the UUID encryption algorithms provided by MHCC.

A Universally Unique Identifier (UUID) uniquely identifies information in a decentralized system; using the same algorithm across distributed systems will result in the same unique ID for the same value; information labeled with UUIDs can be combined into a single database without needing to resolve name conflicts.

UUIDs will be 12 character positions in length and constructed from information obtained at birth including: The policy holder's or beneficiary's Social Security Number, Date of Birth, Month of Birth, Year of Birth, Sex, First Name.

Each payor shall utilize the software and accompanying password provided by MHCC to create new patient/enrollee identifiers in such a manner that each unique combination of Social Security Number, Date of Birth, Month of Birth, Year of Birth, Sex, First Name produces an identical unique encrypted data element called the **Encrypted Enrollee's IdentifierU**.

Each payor shall continue to use their current encrypted identifier (**Encrypted Enrollee's IdentifierP**) coincident with the new identifier. If a change in encryption method is absolutely necessary, a full crosswalk of the old and new IDs will need to be provided to MHCC for all previously submitted IDs.



Using two identifiers will: 1) provide the means to perform trend analysis by cross referencing the two identifiers, and 2) increase the efficacy of the identifiers in the event encryption of one of the algorithms is compromised.

The full encryption software documentation, source code, and executables are bundled into a ZIP file. That software can be downloaded directly from the Commission's website at [http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdm/apcd\\_mcdm\\_mcdm\\_uuid.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdm/apcd_mcdm_mcdm_uuid.aspx). The file is password protected. The password will be forwarded to the payor contact via e-mail. The Commission strongly encourages all carriers to consider the simple implementation of the software for the 2016 MCDB submission. That implementation is simply a standalone program that reads in the precursor variables and outputs those same variables, plus the UUID.

Questions regarding the Universally Unique Identifier (UUID) Cross Payor Encryption Algorithm should be directed to Mr. Adrien Ndikumwami at (301) 628-3262 or by email at [ANDikumwami@s-3.com](mailto:ANDikumwami@s-3.com).

### **MASTER PATIENT INDEX (MPI) – CRISP Hashed Unique Identifier**

The MCDB currently uses a software algorithm to generate Universally Unique ID's (UUIDs) for each person across payors; however, this algorithm is limited by its over-reliance on Social Security Number. This is particularly problematic for self-insured plans with carve-outs for pharmacy plans, where SSN is often not available. The Master Patient Index (MPI) technology used by the Chesapeake Regional Information System for Our Patients (CRISP), Maryland's statewide health information exchange (HIE), is not as reliant on the SSN and will establish a consistent patient identifier across all submitting MCDB payors.

In 2014, selected submitters were required to submit a Demographics File to CRISP, as part of a pilot test project. Beginning in 2015, all payors were required to participate. Moving forward, this will remain the standard requirement. Payors are required to provide limited identifiable data to CRISP, who will generate the MPI and provide an MPI to payor-encrypted ID cross-walk file to MHCC. Payors are also required to submit data to CRISP following their data specifications and Carrier Onboarding Process. The details of the file specifications and process are available at: [http://mhcc.maryland.gov/mhcc/pages/apcd/apcd\\_mcdm/apcd\\_mcdm.aspx](http://mhcc.maryland.gov/mhcc/pages/apcd/apcd_mcdm/apcd_mcdm.aspx). Questions regarding the MPI and the CRISP onboarding process should be directed to Paul Cummings at [paul.cummings@crisphealth.org](mailto:paul.cummings@crisphealth.org).

# Appendix D – Special Instructions for Financial Data Elements

## FINANCIAL DATA ELEMENTS – Billing and Reimbursement Information

Each of the financial data elements listed must be recorded by line item.

**Professional and Dental Services file** – a line item is defined as a single line entry on a bill/claim for each health care service rendered. The line item contains information on each procedure performed including modifier (if appropriate), service dates, units (if applicable), and practitioner charges. The line item also includes billed charges, allowed amount, patient deductible, patient coinsurance/co-payment, other patient obligations, and reimbursement amount. The value represented by each financial field **must be rounded to whole dollars** (i.e., no decimals).

- All Fee-for-Service records ("Record Status = 1")
- For Capitated/Global Contract Services ("Record Status = 8") billed charge, allowed amount, patient deductible, patient coinsurance/co-payment, other patient obligations and reimbursement amount must be reported when available.

**Institutional Services file** – a record is defined as a single claim line corresponding to the revenue code or procedure code used for billing during a stay or visit at an institution. The billed charges, allowed amount, and amounts paid by the payor and patient should reflect the charges for the revenue code or procedure on the claim. The value represented by each financial field **must be rounded to whole dollars** (i.e., no decimals).

**Pharmacy file** – a line item is defined as a single line entry on a prescription service. The line item contains information on each prescription filled, including date filled, drug quantity and supply. This line item also includes billed charge, patient deductible, patient coinsurance/co-payment, other patient obligations, and reimbursement amount for each prescription. **As of 2016, all financial data elements must be rounded to whole dollars (i.e. no decimals).**

FINANCIAL DATA ELEMENTS	Professional, Dental, and Institutional Services Data	Pharmacy Data
<b>Billed Charge</b>	<i>Dollar amount as billed by the practitioner/institution for health care services rendered.</i>	<i>Prescription retail price including ingredient cost, dispensing fee, tax, and administrative expenditures.</i>
<b>Allowed Amount</b>	<i>Retail Amount for the specified procedure code.</i>	
<b>Patient Deductible</b>	<i>Fixed amount that the patient must pay for covered services before benefits are payable.</i>	<i>Fixed amount that the patient must pay for covered services before benefits are payable.</i>
<b>Patient Coinsurance/ Patient Co-payment</b>	<i>Specified amount or percentage the patient is required to contribute towards covered medical services after any applicable deductible.</i>	<i>Specified amount or percentage the patient is required to contribute towards covered medical services after any applicable deductible.</i>

FINANCIAL DATA ELEMENTS	Professional, Dental, and Institutional Services Data	Pharmacy Data
<b>Other Patient Obligations</b>	<i>Any patient liability other than deductible or coinsurance/co-payment. Includes obligations for out-of-network care (balance billing), non-covered services, or penalties.</i>	<i>Any patient liability other than deductible or coinsurance/co-payment. Includes obligations for out-of-network care (balance billing), non-covered services, or penalties.</i>
<i>Note: Patient Deductible, Patient Coinsurance/Patient Co-payment, and Other Patient Obligations are used to calculate Total Patient Liability. Please make an effort to provide this financial information.</i>		
<b>Reimbursement Amount</b>	<i>Amount paid to a practitioner, other health professional, office facility, or institution.</i>	<i>Amount paid to the pharmacy by the payor.</i>
<b>Coordination of Benefit Savings or Other Payor Payments*</b>	<i>Amount paid by the primary payor if the patient is not the primary insurer.</i>	

*\*Only reported in the institutional services file.*

# Appendix E – MCDB Portal Instructions

## MEDICAL CARE DATA BASE PORTAL SUBMISSIONS

In order to submit files to the MCDB Portal for the 2015 data submission period, each payor will need to have their primary point of contact reach out to Social & Scientific Systems, Inc. in order to request an administrative account. An administrative account will then be created for the individual designated to be the administrator in the contact email. The administrator will then receive a user name, as well as instructions with how to log-in at [www.mcdbportal.com](http://www.mcdbportal.com) in order to submit data.

In order for data submissions to be properly processed, a payor will need to ensure that all of the following is accurate:

Tier 1 Checklist	
	All files match file width specifications.
	All files match column length specifications.
	Each field matches expected field length value.
	Record count matches the reported value during file submission.
	Delimiter selected when necessary (Portal accepts flat file, pipe ( ), and comma (,) delimiters).
	File naming conventions are followed.
	Source system is reported for each file.
	If resubmitting, files being replaced from previous upload are deleted.
	If resubmitting, files not being replaced are also "readied" in order to process submission.
Tier 2 Checklist	
	All fields meet expected thresholds for validity in the Data Element Validation Report.
	Fields which do not meet the expected threshold have requested waivers.
	Review fields in the Inter-Field, Intra-Field, or Referential Integrity data reports that are flagged with warnings to ensure there are no reporting errors.

Should a payor have any problems while trying to submit files, they can submit questions to: [mcdbportal@s-3.com](mailto:mcdbportal@s-3.com). In the event of an issue requiring immediate assistance, contact either Adrien Ndikumwami at [andikumwami@s-3.com](mailto:andikumwami@s-3.com) (301-628-3262) or Alexander Bruce at [abruce@s-3.com](mailto:abruce@s-3.com) (301-628-3380).

## File Naming Conventions

The following naming convention is in effect for all data reports. The indicators are separated by the \_ (underscore) symbol: **PayorID\_File\_Version\_Date**

Payor ID: MHCC assigned payor ID number

Files: Professional Services Data Report = ProfServ  
Pharmacy Data Report = Pharm  
Provider Directory Report = Prov  
Institutional Services Data Report = InstServ  
Eligibility Data Report = MedElig  
Dental Data Report = Dental

Version: Submission order *(Note: If the submission is returned, the following sequence should be incremented by one letter in the alphabet.)*

Date: Month/Day/Year = MMDDYY

Example: P123\_ProfServ\_A\_053116  
P123\_ProfServ\_B\_061516  
P123\_ProfServ\_C\_063016  
  
P123\_Pharm\_A\_053116  
P123\_Pharm\_B\_061516  
P123\_Pharm\_C\_063016  
  
P123\_Prov\_A\_053116  
P123\_Prov\_B\_061516  
P123\_Prov\_C\_063016  
  
P123\_InstServ\_A\_053116  
P123\_InstServ\_B\_061516  
P123\_InstServ\_C\_063016  
  
P123\_MedElig\_A\_053116  
P123\_MedElig\_B\_061516  
P123\_MedElig\_C\_063016  
  
P123\_Dental\_A\_053116  
P123\_Dental\_B\_061516  
P123\_Dental\_C\_063016

# Appendix F – Frequently Asked Questions (FAQ)

## **Q. How do I submit data?**

**A.** To submit data, you will need to access the MCDB Portal at [www.mcdbportal.com](http://www.mcdbportal.com). Contact SSS by email at [mcdbportal@s-3.com](mailto:mcdbportal@s-3.com) to receive an administrative account. From there, you can log into the MCDB Portal and access the MCDB Portal User Guide under the tab “Documents.” This will provide a comprehensive guide to the various features of the MCDB Portal. Please see Appendix E for further instructions on submission requirements.

## **Q. What is a source system?**

**A.** A source system is an individual business entity or platform from which data are gathered. Source systems are required so that, in the event of errors within the data, the source of the data can be accurately identified. If you only have one source for your data, or you do not need to identify the source of your data, please report your source system as “A.”

## **Q. How do I know if I need to request a format modification waiver?**

**A.** Format modification waivers need to be requested in one of two instances:

- 1) If a specific field is captured in a number of characters that do not correspond with the number of characters required in the File Record Layout Guide, a waiver is required for the new character length of the field that will be submitted in the file.
- 2) If a specific field requires a certain threshold percentage of records to be filled in order to be accepted, a waiver is required if that particular threshold cannot be met. Keep in mind that unknown values do not contribute to a field meeting the required threshold percentage. Any file submission containing a number of unknown records which exceed the minimum required threshold will require a format modification waiver to be processed.

## **Q. What information is needed when requesting a format modification waiver?**

**A.** When submitting a request for a format modification waiver, include the target threshold you plan to reach for the threshold in question, if applicable, or the required field length of the data element in question. Provide an explanation for why the threshold is necessary, as well as a plan for remediation for future data submissions so that the waiver will no longer be necessary.

## **Q. Are the terms “patient” and “enrollee” synonymous?**

**A.** Yes. Patient is the term used in claims files, while enrollee is used in the eligibility file.

**Q. Should members without activity in the submission quarter be included in the eligibility file?**

A. Yes, please include all members whether they have been active during the submission quarter or not.

**Q. Should files be encrypted or compressed before being submitted?**

A. No, please submit all files as text documents in a flat-file format, selecting any delimiter on the MCDB Portal that may apply to your file.

**Q. Should claims which were paid in a previous quarter and later voided be reported?**

A. Yes, previous records need to be updated and consolidated. Please indicate if a claim has been voided in the field “Claim Line Type.”

**Q. Are there any other methods to submit data to the MCDB other than using the Portal?**

A. No, the MCDB Portal is the only method to submit data to the MCDB.

**Q. Are the terms “claims paid date” and “adjudication date” synonymous?**

A. No, Claim Paid Date is the date that the claim was paid. This date should agree with the paid date the Finance and Actuarial departments are using in your organization. Adjudication date is the date that a decision was made whether to approve, deny, void, or adjust a claim. If this definition does not match your system, please contact MHCC to get advice on which date to use.

**Q. I submitted “9 – Unknown” for all values for a field, but the Portal says I reported 0%. Why am I failing?**

A. Unknown and blank values do not contribute to threshold requirements. If you are submitting all unknown values for a particular field, please request an accompanying waiver.

**Q. I thought I was supposed to submit some financial fields with implied decimals?**

A. Beginning in 2016, all financial fields must be reported as whole numbers with no implied decimals.

**Q. When producing the new, 2016 layout for the institutional claims that has one record per line item, how should I record the diagnosis and procedures codes across records for the same claim?**

A. All diagnosis codes must be repeated across all lines for the same claim. For inpatient claims, all procedure codes present on the same claim should be replicated for each line of the same claim. For inpatient claims, this means that multiple revenue codes for the same claim will have the same diagnosis and procedure codes.



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