Release 1.2 Business Requirements

1 PURPOSE & SCOPE

Purpose

The primary objective of this document is to provide the business requirements necessary to develop and test Release 1.2 of the CROWNWeb System. This release will build upon the previously developed features of the CROWNWeb System and include the business needs defined in this document.

Scope

The Release 1.2 of CROWNWeb includes the following features and functionality:

- Entry of Clinical data (to support 820 and 821 reporting)
- Entry of Vascular Access information (to support both CPM and Fistula First)
- Lab Data Batch Collection
- Vascular Access Batch Collection
- Reports required for the verification and identification of Treatment and Lab Data exceptions
- Summary report reflecting CPM and Fistula First

2 ASSUMPTIONS & CONSTRUCTS

Assumptions/Risks

1. Funding continues at the current level throughout the development life cycle.
2. Since a web-based platform is new to CMS, there is a risk that decisions made by OIS and/or ISG outside of this project may affect project time, cost, and performance (e.g. LDAP/Security, Hardware, and 3-tier architecture).
3. Increased expectations from HHS/OMB for implementation of CHI standards.
4. Project milestones are dependent on Conditions for Coverage Final Rule.
5. ESRD System of Records is updated by OIS to allow CMS to release CROWNWeb.
6. Numerous contracts need to be coordinated to ensure long-term project success (seven prime contractors). Contract environment and discontinuity could affect project time, cost, and performance.
7. Potential leadership and priority changes at CMS

Constructs

This Business Requirements (BRs) document is necessary to determine the relative success of the software product. BRs include only those things that are fully specified, adopted by CMS with input from the Renal and Developer Community, and within scope of the specific release.

References

1. CMS Kidney Data Dictionary (KDD) - FMQAI-CROWNWeb-KDD-Release 1.2
2. CMS Forms 2746 (version 8/06), 820 (version 1/05), 821 (version 1/05), 2744a (version 7/03), 2744b (version 2/04), and 2728 (version 3/06).
3. Conditions for Coverage for Coverage for End Stage Renal Disease Facilities
4. Section 508 of Rehabilitation Act: Electronic and Information Technology and Accessibility Standards
5. HHS standards for Consolidated Health Informatics
6. HHS certification criteria for Ambulatory Electronic Health Records (AEHRs)
7. American National Standard 359-2004 for Role-Based Access Control
8. President's Vision for Health Care Information Technology
9. CMS Information Security Acceptable Risk Safeguards (ARS)
10. ESRD Program Management and Medical Information System (PMMIS)
11. Privacy Act of 1974, 5 U.S.C. § 552a (2000)
12. Security Standards Technical Safeguards
13. Technical Specifications for the Clinical Performance Measures (CPMs) by Arbor Research Collaborative for Health
14. 2007 Measure Submission Forms (MSFs) and Supporting Documentation to the National Quality Forum (NQF) in support of the proposed ESRD CPM Measures

4 DEFINITIONS

Definitions

Business Requirement (BR)	A Capability that is imposed on the system.
CRUD	Persistence operations are separated into categories, based on the types of data entries stored by the application. These categories also describe end-user roles and permissions and includes the following abilities: • Create/Add new entries • Retrieve/view/print existing entries • Update/Edit existing entries • Delete/Remove existing entries that are not yet submitted
EDI	This reference an "Electronic Data Interface" for an organization to electronically submit information into the CROWNWeb System.
Electronic Record Management	A process to manage electronic records and associated data within a system.
Electronic Record Management: Saved Records	Incomplete and/or minimally validated records that are stored and retrieved apart from submitted records (i.e. retrieved ONLY in the 'Saved Records' area for those with applicable permissions. These records are NOT reflected in other searches/features of the system.
Electronic Record Management: Submitted Records	Complete and fully validated records that have been submitted by an end-user and accepted by the system (i.e. approved). Submitted records are reflected in searches and other production features of the system.
End-User	An individual or the group of people who are ultimately expected to use the CROWNWeb System.
Feature	A service that the system provides to fulfill one or more stakeholder needs.
Incident Patient	A patient starting renal replacement therapy for end-stage renal disease during a time period (typically 6 months or a calendar year). [USRDS]
Lightweight Directory Access Protocol (LDAP)	Protocol that manages the "who, what, and where" users can access and use the system (see http://en.wikipedia.org/wiki/LDAP for more information)
Long-term (aka permanent) transfer	The situation where a patient transfers to the care of a facility with the expectation of receiving treatment at a facility for over 30 continuous calendar days. It also includes patients that transfer with intent of a short term stay that ultimately exceeds 30 continues calendar days.
Module	A portion of a program that carries out a specific function

	and may be used alone or combined with other modules of the same program (i.e. patient module contains all forms and screens for patient information).
Near Match (on admitting a patient)	A patient that is not an exact match to another existing patient AND the patient's numeric identifiers or personal identifiers match or closely match to another existing patient. - Patient numeric identifiers are the Social Security Number [SSN] and Medicare Claim Number. - Patient personal identifiers are the First Name, Last Name, Date of Birth, and Gender.
Patient Attributes and Related Treatment (PART) dataset	Includes data that are required on a regular basis in order to maintain the ESRD Patient Registry (i.e. patient address, facility, attending MD, modality, setting, etc.).
Persistence	Refers to the characteristic of data that outlives the application that created it (i.e. data persists even after browser is closed or computer is turned off).
Protected Health Information (PHI)	Refers to individually identifiable health information that is created or received by a health care provider, health plan, employer, or health care clearinghouse and that relates to the mental or physical health of the individual, the provision of health care to the individual, or Payment for the provision of health care to the individual. Some example of PHI are names, social security numbers, telephone numbers, electronic mail addresses, health plan beneficiary numbers, and full face photographic images.
Prevalent Patient	A patient receiving renal replacement therapy or having a functioning kidney transplant (regardless of when the transplant was performed. [USRDS]
Period Prevalent Patient	A patient receiving treatment for ESRD at some point during a period of time, usually six months or a year. Patients may die during the period or be point prevalent at the end of the period. [USRDS]
Point Prevalent Patient	A patient reported as receiving treatment for ESRD on a particular day of the calendar year (i.e. December 31st). [USRDS]
Problem	The difference between the way things are perceived and things desired.
Role-Based Access Control (RBAC)	An approach to restricting system access to authorized users. With RBAC, permissions to perform certain operations are assigned to specific roles and users acquire permissions to perform particular system functions through their assignment to particular roles.
Roster	A list of patients applicable to a set given criteria.
Short-term (aka temporary or	The situation where a patient is under the care of a facility for 30 or less continuous calendar days.

transient) transfer	
Soft Edit (SE)	A checking and correction process that allows data in which problems have been identified to be accepted by a computer system.
SUI	This references a "Single User Interface" for an individual or group of people to manually interact with the CROWNWeb System.
User-case	A sequence of actions, performed by the system, that yields value to the user.

User Type	Type of user assigned to a user role:
	• **Facility User Type** - Users associated with one or more facilities are assigned any of the following roles:
	  ○ Facility Viewer
	  ○ Facility Editor
	  ○ Facility Administrator
	• **Network User Type** - Users associated with one or more ESRD Network Organizations are assigned any of the following roles:
	  ○ Network Viewer
	  ○ Network Patient Editor
	  ○ Network Facility Editor
	  ○ Network Administrator
	• **System Admin User Type** - Users associated with CMS or a CMS Contractor are assigned the following role:
	  ○ System Administrator
	• **CMS User Type** - Users associated with CMS are assigned one of the following roles:
	  ○ CMS Viewer
	  ○ CMS Editor
	  ○ CMS Administrator

5 GLOBAL REQUIREMENTS

5.1 General - Global

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.1.1	RQMT_36	BR 1.7.2	System Performance Capability	The System shall provide a mechanism that allows a maximum load of 300 concurrent users.
5.1.2	RQMT_37	BR 1.7.3	Standards 508 Compliance	The System shall provide a mechanism to meet the standards for Section 508 compliance.
5.1.3	RQMT_38	BR 1.7.4	Security Acceptable Risk Safeguards (ARS) policy	The System shall provide a mechanism to meet all applicable security criteria included in the CMS Information Security Acceptable Risk Safeguards (ARS) policy.
5.1.4	RQMT_39	BR 1.8	Sorting - Alphabetical and Ascending	The System shall provide a mechanism to sort by last name alphabetically in ascending order.
5.1.5	RQMT_40	BR 1.9	Calendar Controls	The System shall provide a mechanism to display calendar controls that allow the end user to select a date to populate the date field.
5.1.6	RQMT_41	BR 1.10	Mixed Case Data Entry	The System shall provide a mechanism that allows mixed-case data entry.
5.1.7	RQMT_644		Print using right click on mouse	The System shall provide a mechanism that allows the end user to right-click on a screen and print using the standard context menu print selection.
5.1.8	RQMT_716		Reset	The System shall provide a mechanism that allows the end user to reset the data to the prior state before the end user saves and/or submits data.
5.1.9	RQMT_718		Navigate Away Warning	The System shall provide a mechanism to display a warning message to the end user when an attempt is made to navigate away from a page where data has been entered but not saved and/or submitted.
5.1.10	RQMT_728		Login	The System shall provide a mechanism that allows the end user to log in to the System with a username and password.

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.1.10.1	RQMT_739		Logged in User	The System shall provide a mechanism to display the username (BRRQMT_728) that is currently logged into the System.
5.1.11	RQMT_730		Forgotten Password	The System shall provide a mechanism that allows the end user to reset their password.
5.1.12	RQMT_731		15 minute Time-out	The System shall provide a mechanism that requires the end user to log back into the System after 15 minutes of inactivity.
5.1.12.1	RQMT_732		15 minute Time-out Display	The System shall provide a mechanism to display (in minutes and seconds) a countdown from 15 minutes since the last activity to indicate to the user the amount of idle time remaining before the System automatically logs the user out.
5.1.12.2	RQMT_740		Logout	The System shall provide a mechanism that allows the end user to log out of the system and return to the Log-In page.
5.1.13	RQMT_733		Home Page	The System shall provide a mechanism to display the Home Page after the end user logs into the System.
5.1.14	RQMT_734		Navigation Between Modules	The System shall provide a mechanism that allows the end user to navigate to the following modules: ~ Home ~ Facility ~ Personnel ~ Patient ~ Reports ~ Clinical
5.1.14.1	RQMT_741		Hyperlink Navigation	The System shall provide a mechanism that allows the end user to navigate throughout the System using hyperlinks.
5.1.14.2	RQMT_757		Bread Crumb Navigation	The System shall provide a mechanism that allows the end user to navigate back to areas of the application they have already accessed and searched results.
5.1.15	RQMT_1005		Facility Editor and Viewer with Scope	The System shall provide a mechanism that allows the end

#	Rqmt ID	Old BR ID	BR Title	Requirement
			to One Facility Search by Facility DBA Name	user to select only one facility from the Facility DBA Name field (KDDRQMT_37) when conducting a search.
5.1.16	RQMT_737		Online Help	The System shall provide a mechanism that allows the end user to access online help within the System.
5.1.17	RQMT_756		Mandatory Fields	The System shall provide a mechanism that indicates to the end user what data fields are mandatory prior to saving and/or submitting records.
5.1.18	RQMT_758		Auto-populate Facility DBA Name	The System shall provide a mechanism that auto-populates the Facility DBA Name (KDDRMQT_37) when the end user enters either one of the following two fields: ~ Facility CCN (KDDRQMT_11) ~ Facility NPI (KDDRQMT_12)
5.1.18.1	RQMT_759		Auto-populate Facility NPI	The System shall provide a mechanism that auto-populates the Facility NPI (KDDRQMT_12) if available, when the Facility CCN (KDDRQMT_11) is entered by the end user.
5.1.18.2	RQMT_760		Auto-populate Facility CCN	The System shall provide a mechanism that auto-populates the Facility CCN (KDDRQMT_11) when the Facility NPI (KDDRQMT_12) is entered by the end user.
5.1.19	RQMT_1003		One Way Arrow: 2746	The System shall provide a mechanism to institute one way arrow fields for the 2746. The following exceptions apply: On the 2746: ~The Date of Most Recent Transplant shall be pre-populated by the patient's most current transplant treatment record, but the field is left editable in the event that a more recent transplant occurred outside of the country.

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Attending Practitioner UPIN, Last Name, and First Name shall not be pre-populated by the Treatment record.
5.1.20	RQMT_1004		One Way Arrow - 2728	The System shall provide a mechanism to institute one way arrow fields for the 2728. The following exceptions apply: On the 2728: ~ Patient Height shall not pre-populated from any source, as this shall not be a one-way arrow field. ~ Primary Cause of Renal Failure Code entered on the 2728 shall not be a one-way arrow field. ~ Attending Physician Name field shall be populated from the 2728 associated treatment record, but the field is left editable in the event that another attending practitioner signed the form.

5.2 Electronic Data Transfers

5.2.1 CPM Data Extract

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.2.1.1	RQMT_267	BR 11.3.2	CPM Extract Data Fields	The System shall provide a mechanism to extract the following data fields for the CPM extract in accordance with the Interface Control Document (ICD): *CROWNWeb KDD Elements: (See KDD Requirements for Numbers) CROWNWEB Unique Patient Identifier (UPI) CROWNWEB Facility Unique Identifier Clinical Reporting Date Kt/V HD

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Kt/V HD Collection Date Kt/V HD Method Kt/V HD Method ID BUN Pre-Dialysis BUN Post-Dialysis Pre-Dialysis Weight Pre-Dialysis Weight Unit of Measure Post-Dialysis Weight Post-Dialysis Weight Unit of Measure Delivered Minutes of BUN Hemodialysis Session Serum Creatinine Serum Creatinine Collection Date Patient Height Patient Height Unit of Measure Date of PD Adequacy Measurement Weekly Kt/V Peritoneal Dialysis Kt/V PD Method Kt/V PD Method ID Body Surface Area Method Body Surface Area Method ID Residual Renal Function Assessed in Calculating Kt/V Prescription Change after Adequacy Measurement Clinic Weight Clinic Weight Unit of Measurement Body Surface Area Corrected Creatinine Clearance Creatinine Clearance Unit of Measure Creatinine Clearance Unit of Measure ID Dialysate Volume Dialysate Urea Nitrogen Dialysate Creatinine Urine Volume Urine Urea Nitrogen Urine Creatinine Serum BUN Serum Creatinine Serum Creatinine Collection Date Patient Height Patient Height Unit of Measure Hemoglobin Hemoglobin Collection Date ESA Prescribed Date ESA Prescription Changed

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Serum Ferritin Serum Ferritin Collection Date Iron Saturation (TSAT) Percentage Iron Saturation (TSAT) Percentage Collection Date Reticulocyte Hemoglobin (CHr) Reticulocyte Hemoglobin (CHr) Collection Date Intravenous (IV) Iron Prescribed Date IV Iron Prescription Changed Modality Serum Phosphorus Serum Phosphorous Collection Date Corrected Serum Calcium Corrected Serum Calcium Collection Date Serum Albumin Serum Albumin Collection Date Serum Albumin Lower Limit Lab Method (for Serum Albumin) Uncorrected Serum Calcium Uncorrected Serum Calcium Collection Date Modality Date Access Type for Dialysis Changed Access Type for Dialysis Access Type for Dialysis ID Date of Reported Dialysis Session Maturing AVF Present? Maturing Graft Present? AVF Creation Date AVF Usable Date AV Fistula State AV Fistula State ID AV Graft State AV Graft State ID Access Physical Examination Access Physical Examination Frequency Access Physical Examination Frequency ID Pre-Pump Pressure Pre-Pump Pressure Frequency Pre-Pump Pressure Frequency ID Graft Survey Static Venous Pressure Static Venous Pressure Frequency Static Venous Pressure Frequency ID

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Doppler Doppler Frequency Doppler Frequency ID Intra-Access Flow Intra-Access Flow Frequency Intra-Access Flow Frequency ID CROWNWEB Unique Patient Identifier (UPI) Patient Date of Birth Date Regular Chronic Dialysis Began Admit Discharge Id CROWNWEB Unique Patient Identifier (UPI) Admit Date Admit Reason Admit Reason ID Transient Status Transient Reason Transient Reason ID CROWNWEB Facility Unique Identifier Discharge Date Discharge Reason Discharge Reason ID Admit/Discharge Submit Date Treatment ID Admit Discharge Id Treatment Start Date Primary Dialysis Setting Primary Dialysis Setting ID Primary Type of Treatment Sessions per Week Time Per Session (delivered) Treatment Submit Date Dialysis Type Dialysis Type ID Transplant Type Transplant Type ID CROWNWEB Facility Unique Identifier Provider Use Type Provider Use Type ID Network Number Facility CMS Certification Number (CCN) Facility National Provider Identifier (NPI) Facility Doing Business As (DBA) Name

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.2.1.2	RQMT_268	BR 11.3.4	Eligible Facilities for CPM Extract	The System shall provide a mechanism to determine the facilities that are eligible for the CPM extract when the facility Provider Use Type (KDDRQMT_66) is equal to "Medicare."
5.2.1.3	RQMT_604		Locking of Clinical Extract	The System shall provide a mechanism to prohibit users from accessing the clinical data during the CPM extract process.
5.2.1.4	RQMT_605		Data Extract Provisions	The System shall provide a mechanism to prohibit the entry, modification, or deletion of additional data from the clinical data fields once the extract has been completed.
5.2.1.5	RQMT_611		Storage of Clinical Extract	The System shall provide a mechanism to store each clinical extraction in the database.
5.2.1.6	RQMT_192	BR 6.4.3.2	Hemodialysis Adequacy Calculation Data Elements	The System shall require the following data elements for the calculation of Hemodialysis Adequacy measures: ~ Primary Dialysis Setting (KDDRQMT_366) ~ Primary Type of Treatment (KDDRQMT_367) ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) ~ Sessions Per Week (KDDRQMT_368)
5.2.1.7	RQMT_197	BR 6.4.4.2	Peritoneal Dialysis Adequacy Calculation Data Elements	The System shall require the following data elements for the calculation and/or determination of Peritoneal Dialysis Adequacy measures. ~ Primary Dialysis Setting (KDDRQMT_366) ~ Primary Type of Treatment (KDDRQMT_367)
5.2.1.8	RQMT_202	BR 6.4.5.2	Anemia Management Calculation Data Elements	The System shall require the following data elements for the calculation of Anemia Management measures:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Primary Dialysis Setting (KDDRQMT_366) ~ Primary Type of Treatment (KDDRQMT_367) ~ Date Regular Chronic Dialysis Began (KDDRQMT_133)
5.2.1.9	RQMT_205	BR 6.4.6.2	Mineral Metabolism Calculation Data Elements	The System shall require the following data elements for the calculation of Mineral Metabolism measures: ~ Primary Dialysis Setting (KDDRQMT_366) ~ Primary Type of Treatment (KDDRQMT_367)
5.2.1.10	RQMT_288	BR 14.3.1	Exclude Pediatric Patients	The System shall provide a mechanism to exclude Pediatric Patients from all CPMs based on the following criterion: ~ IF Study Period Beginning Date MINUS [Patient Date of Birth] (KDDRQMT_ 119)less than 18, then do not include patient.
5.2.1.11	RQMT_289	BR 14.3.2	Exclude Acute Patients	The System shall provide a mechanism to exclude Acute Patients: ~ IF Discharge Reason (KDDRQMT_362) = 'Acute' in a month included in a measure's study period, regardless of modality

5.3 Search

5.3.1 General - Search

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.3.1.1	RQMT_727		Display Results Per Page	The System shall provide a mechanism that allows the end user to select the number of records to be displayed per page for a search.
5.3.1.2	RQMT_747		Wild Card Search	The System shall provide a mechanism that allows the end user to search using a wild card selection.
5.3.1.3	RQMT_1002		Wild Card Search Indicator	The System shall provide a mechanism to identify what attributes can be searched using a wild card search indicator [%].

5.4 User Interfaces

5.4.1 PART

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.4.1.1	RQMT_517	BR 8.0.1	Generate list of Patients	The System shall provide a mechanism that allows the end user (as determined by their user role and scope) (LIBPUID_19) to generate a list of all patients who are receiving or have received ESRD treatment at the requested facility.
5.4.1.2	RQMT_821		Facility Selection for PART	The System shall provide a mechanism that allows the end user to select facility(s) from a drop-down selection of Facility DBA Name (KDDRQMT_37) for the PART verification.
5.4.1.3	RQMT_822		Patient Filter	The System shall provide a mechanism that allows the end user to filter patients using the PART patient filter (KDDRQMT_783).
5.4.1.4	RQMT_823		Select Date range for Patients	The System shall provide a mechanism that allows the end user to select a date range to be used for displaying patients within their facility.
5.4.1.5	RQMT_523	BR 8.0.5	Re-sort Results	The System shall provide a mechanism that allows the end user to re-sort data displayed in PART using any of the following column headings in ascending or descending order: ~ Patient Name ~ DOB ~ Admit/Discharge ~ Treatment ~ Transient ~ Verification
5.4.1.6	RQMT_525	BR 8.0.7	Select Patients	The System shall provide a mechanism to allow the end user to select and edit a patient from the PART display.
5.4.1.7	RQMT_526	BR 8.1	Update Data Via Interface	The System shall provide a mechanism that allows the end user to navigate to the following data fields via a hyperlink to modify patient data via the PART user interface: ~ Patient Data ~ Patient Admit/Discharge ~ Patient Treatment
5.4.1.8	RQMT_828		Verify Accuracy	The System shall provide a mechanism that allows the end user to select and indicate that each patient from the PART user interface has been verified.

5.5 User Roles and Scope

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.5.1	RQMT_12	BR 1.2.1	User Role and Scope: Global Records	The system shall determine the end user's user Role and Scope to Create, Retrieve, Update or Delete records.
5.5.2	RQMT_26	BR 1.5	User Login	The System shall provide a mechanism that allows the end user to have only one User Login (User ID and Password).
5.5.3	RQMT_829		Managing Role and Scope	The System shall provide a mechanism that allows the end user's Role and Scope to be managed within the System.
5.5.3.1	RQMT_830		Facility Roles	The System shall provide a mechanism that allows a Facility Administrator to assign a Facility end user the following roles: ~ Facility Viewer ~ Facility Editor ~ Facility Administrator
5.5.4	RQMT_82	BR 2.1.10.6	Network Scope of Patient Records	The System shall provide a mechanism that allows users with Network roles to view Patient records for all Networks.
5.5.5	RQMT_62	BR 2.1.5	User Roles	The System shall provide a mechanism that allows Facility Administrators to assign one or more user roles to end users.
5.5.6	RQMT_65	BR 2.1.8	User Scope	The System shall provide a mechanism that allows Facility Administrators to assign one or more facilities to the end user (scope).
5.5.7	RQMT_71	BR 2.1.9.6	91st day after Discharge	The System shall provide a mechanism that prohibits end users from viewing patient data after the patient has been discharged from the previous facility for more than 90 days.

5.6 Validation

#	Rqmt ID	Old BR ID	BR Title	Requirement
5.6.1	RQMT_714		Warning Message	The System shall provide a mechanism to display a warning message to the end user when a data element does not pass validation.
5.6.1.1	RQMT_837		Ignore Warning	The System shall provide a mechanism that allows the end user to ignore all

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Messages	warning messages.
5.6.2	RQMT_715		Error Message	The System shall provide a mechanism to display an error message to the end user when a mandatory data element is not completed or invalid data is entered.
5.6.3	RQMT_2	BR 1.1.1	Validation to store Submitted records	The System shall provide a mechanism to store records as submitted after all required validations pass successfully.
5.6.4	RQMT_3	BR 1.1.2	Submitted Records	The System shall provide a mechanism to notify the end user when records are submitted successfully after validation.

6 FACILITY

6.1 General - Facility

#	Rqmt ID	Old BR ID	BR Title	Requirement
6.1.1	RQMT_769		Add New Facility	The System shall provide a mechanism that allows the end user to Add/Modify/Delete a new Facility within the user's role and scope (LIBPUID_19).
6.1.2	RQMT_777		Facility Unique Identifier	The System shall generate a facility specific unique identifier at the time of save or submission for a new facility record.
6.1.3	RQMT_101	BR 3.3.3	Facility DBA	The System shall provide a mechanism that automatically populates the Facility 'Doing Business As (DBA)' name if it is the same as the Facility's Legal Name.
6.1.4	RQMT_102	BR 3.3.4	Mailing Address	The System shall provide a mechanism that automatically populates the Facility Mailing Address if it is the same as the Facility's Physical Address.
6.1.5	RQMT_768		Saved Facility Status	The System shall provide a mechanism that allows the end user to save a partially added Facility record when creating a new facility.
6.1.6	RQMT_745		Saved Facilities	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to Edit/Save/Submit Facility records.
6.1.7	RQMT_746		Indicate Number of Saved Facilities	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to view the number of Saved Facilities in the System.

6.2 Facility Search

#	Rqmt ID	Old BR ID	BR Title	Requirement
6.2.1	RQMT_99	BR 3.3.1	Facility Search	The System shall provide a mechanism that allows the end user to conduct a Facility Search using the following search criteria: ~ Basic ~ Advanced
6.2.1.1	RQMT_838		Basic Search Default	The System shall display the Basic Search screen upon selection of the Facility Module or Facility Search Link.
6.2.2	RQMT_839		Basic Facility Search	The System shall provide a mechanism that allows the end user to conduct a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Criteria	Basic Facility Search by entering any of the following search criteria: ~ Facility CCN (KDDRMQT_11) ~ Facility NPI (KDDRMQT_12) ~ Facility FAC ID (KDDRMQT_1) ~ Program Type (KDDRMQT_29) ~ Network (KDDRMQT_10) ~ Facility Name (KDDRMQT_37) ~ City (KDDRMQT_5) ~ State (KDDRMQT_6) ~ Zip Code (KDDRMQT_7)
6.2.2.1	RQMT_721		Basic Facility Search Results Attributes	The System shall provide a mechanism that allows the end user to conduct a Basic Facility Search that displays returned data to the end user using the following column headers: ~ CROWN Fac ID (KDDRQMT_1) ~ Facility CCN,(KDDRQMT_11) ~ NPI(KDDRQMT_12) ~ City (KDDRQMT_5) ~ State (KDDRQMT_6) ~ Zip Code(KDDRQMT_7) ~ Phone (KDDRQMT_45) ~ Program Type (KDDRQMT_29) ~ Facility Status (KDDRQMT_30)
6.2.3	RQMT_840		Advanced Search Criteria	The System shall provide a mechanism that allows the end user to conduct an Advanced Facility Search using the following search criteria: ~ Facility CCN (KDDRQMT_11) ~ Facility NPI (KDDRQMT_12) ~ FACID (KDDRQMT_1) ~ Program Type (KDDRMQT_29) ~ Facility Name (KDDRMQT_37) ~ Provider User Type (KDDRMQT_66) ~ Network (KDDRMQT_10) ~ Additional Services Offered (KDDRMQT_60) ~ Certified Services Offered (KDDRMQT_59) ~ Managed By (KKDRMQT_25) ~ Owned By (KDD RMQT_27) ~ City (KDDRMQT_5) ~ State (KDDRMQT_6) ~ County (KDDRMQT_9) ~ Zip Code (KDDRMQT_7)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Area Code (KDDRMQT_45)* ~ Fax (KDDRMQT_48) ~ Phone Number (KDDRMQT_45) *Area Code uses the first three numeric characters in the Phone Number field for this field.
6.2.3.1	RQMT_722		Advanced Facility Search Results Attributes	The System shall provide a mechanism that allows the end user to conduct an Advanced Facility Search that displays returned data to the end user using the following column headers: ~ CROWN Fac ID (KDDRQMT_1) ~ Facility CCN,(KDDRQMT_11) ~ NPI(KDDRQMT_12) ~ City (KDDRQMT_5) ~ State (KDDRQMT_6) ~ Zip Code(KDDRQMT_7) ~ Phone (KDDRQMT_45) ~ Program Type (KDDRQMT_29) ~ Facility Status (KDDRQMT_30)

6.3 Personnel-Practitioner General

#	Rqmt ID	Old BR ID	BR Title	Requirement
6.3.1	RQMT_108	BR 3.5.4	Adding/Maintaining Personnel Records	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to Create/Retrieve/Update/Delete/Print Facility Personnel records.
6.3.2	RQMT_778		Personnel Unique Identifier	The System shall generate a personnel-specific unique identifier at the time of Submission upon a successful validation.
6.3.3	RQMT_841		Inactive Personnel Records	The System shall provide a mechanism that allows the end user to inactivate a Personnel Record.
6.3.4	RQMT_771		Remove Inactive Personnel records	The System shall provide a mechanism that prevents any Inactive Personnel records from displaying Active Personnel selection throughout the System.
6.3.5	RQMT_772		Multiple Job Description	The System shall provide a mechanism that allows the end user to add multiple job descriptions for each Personnel record.

#	Rqmt ID	Old BR ID	BR Title	Requirement
6.3.5.1	RQMT_773		Display One Primary Contact	The System shall provide a mechanism that allows only one Primary Contact Job Description to be used in a Facility at any given time.

6.3.6 Personnel Search

#	Rqmt ID	Old BR ID	BR Title	Requirement
6.3.6.1	RQMT_723		Facility Personnel Search	The System shall provide a mechanism that allows the end user to conduct a Facility Personnel Search using any of the following data elements: ~ Last Name (KDDRQMT_85) ~ First Name ((KDDRQMT_86) ~ UPIN (KDDRQMT_93) ~ Personnel NPI (KDDRQMT_14) ~ Job Title (KDDRQMT_91) ~ Job Description (KDDRQMT_781) ~ Zip Code (KDDRQMT_100) ~ City (KDDRQMT_98) ~ State (KDDRQMT_99) ~ County (KDDRQMT_782) ~ FACID (KDDRQMT_1) ~ Facility DBA Name (KDDRQMT_37) ~ Facility CNN (KDDRQMT_11) ~ Facility NPI (KDDRQMT_12) ~ Network Number(KDDRQMT_10)
6.3.6.2	RQMT_724		Personnel Search Return Attributes	The System shall provide a mechanism that allows the end user to conduct a Facility Personnel search that displays returned data to the end user using the following column headers: ~ Personnel Name ~ UPIN ~ Personnel NPI ~ Job Code Description ~ Facility ~ Facility CCN ~ Facility NPI ~ Phone Number ~ E-Mail

7 PATIENT INFORMATION

7.1 General - Patient

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.1.1	RQMT_116	BR 4.2.2	Master Record	The System shall provide a mechanism to update all modules populated by the Patient master record after the patient master record has been updated by the end user.
7.1.2	RQMT_121	BR 4.3.3	Mailing Address same as Physical Address	The System shall provide a mechanism that allows end user to automatically populate the Patient's Physical Address if it is the same as the Mailing Address.

7.2 Patient Search

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.2.1	RQMT_725		Patient Search Attributes	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to search for a patient using any of the following search criteria: ~ SSN (KKDRQMT_120) ~ HICNUM (KKDRQMT_117) ~ CROWN UPI (KKDRQMT_111) ~ SIMS UPI (KKDRQMT_808) ~ Gender (KKDRQMT_118) ~ Last Name (KKDRQMT_113) ~ First Name (KKDRQMT_115) ~ Facility DBA Name (KKDRQMT_37) ~ Facility CCN (KKDRQMT_11) ~ Facility NPI (KKDRQMT_12) ~ Date of Birth (Select a Range or Specific Date) (KKDRQMT_805) ~ Date of Death (Select a Range or Specific Date) (KKDRQMT_806) ~ Patients Included in Search (KKDRQMT_807)
7.2.2	RQMT_726		Patient Search Return Attributes	The System shall provide a mechanism that displays returned data to the end user using the following column headers: ~ CROWN UPI (KDDRQMT_111) ~ Name (KDDRQMT_113, KDDRQMT_115) ~ SSN (KDDRQMT_120) ~ Date of Birth (KDDRQMT_119) ~ Date of Death (KDDRQMT_135) ~ Gender (KDDRQMT_118)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ HICNUM (KDDRQMT_117)
7.2.3	RQMT_749		CROWN UPI and SIMS UPI	The System shall provide a mechanism that allows the end user to search for a Patient by the CROWN UPI/SIMS UPI, and to disregard all other search criteria entered.

7.3 Admit / Discharge

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.3.1	RQMT_147	BR 5.4.1	Ability to Admit and Discharge Patients	The System shall provide a mechanism that allows the end user to admit and discharge Patients.
7.3.2	RQMT_117	BR 4.2.3	Patient Unique Identifier	The System shall generate a patient specific unique identifier at the time of Submission upon a successful validation.
7.3.3	RQMT_148	BR 5.4.2	Non-Transient Facility Assignment	The System shall provide a mechanism that permits a patient to be assigned to only one non-transient facility at a time.
7.3.4	RQMT_149	BR 5.4.3	Transient Facility Assignment	The System shall provide a mechanism that permits a patient to be assigned to only one transient facility at a time.
7.3.5	RQMT_150	BR 5.4.4	Same Day Admit Discharge	The System shall provide a mechanism that permits a patient to be admitted and discharged on the same day.
7.3.6	RQMT_152	BR 5.5.1	Patient Identifiers	The System shall provide a mechanism that allows the end user to enter identifying fields - SSN, Medicare Claim Number, First Name, Last Name, Date of Birth, and Gender - when attempting to admit a patient.
7.3.7	RQMT_171	BR 5.5.10	Enter Transient Reason for Transient Transfer	The System shall provide a mechanism that requires the end user to enter a transient reason when admitting an existing patient that is a transient transfer.
7.3.7.1	RQMT_779		Transient Patient Address and Phone	The System shall provide a mechanism that allows the end user to enter a transient patient's address and phone number when a patient has been admitted as a transient patient.
7.3.8	RQMT_153	BR 5.5.2	No HIC Num or SSN	The System shall provide a mechanism that allows the end user to select a "Not Applicable" (N/A) value for those Patients who do not have an SSN or Medicare Claim Number (HICNUM) at

#	Rqmt ID	Old BR ID	BR Title	Requirement
				the time of admitting a patient.
7.3.9	RQMT_175	BR 5.6.1	System Discharge: Non-Transient Facility	The System shall provide a mechanism to automatically discharge a patient from a previous non-transient facility upon admitting the Patient to a new non-transient facility. This discharge will occur with a discharge date of new admit date -1 day and with a reason of "System Discharge".
7.3.10	RQMT_176	BR 5.6.3	Enter Discharge Date and Reason	The System shall provide a mechanism that requires an end user that is discharging a Patient to enter the Patient's discharge date, discharge reason, and discharge reason subcategory.
7.3.11	RQMT_177	BR 5.6.5	Discharge upon Death	The system shall provide a mechanism that allows the end user to enter a date of death on the Patient Attributes page, the System shall discharge the Patient from all open facilities with a reason of 'death' and a discharge date that matches the date of death.
7.3.12	RQMT_1007	BR 5.6.1	System Discharge - Transient Facility	The System shall provide a mechanism to automatically discharge a patient from a previous transient facility upon admitting the Patient to a new facility and the Discharge Reason is Blank. This discharge will occur with a discharge date of new admit date -1 day and with a reason of "System Discharge".

7.4 - 2728 - Medical Evidence Form

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.4.1	RQMT_133	BR 4.9.1	Initial 2728 Medical Evidence Form	The System shall provide a mechanism to generate an Initial Entitlement 2728 Medical Evidence Form for a Patient upon an end user admitting that Patient with an admit reason as "New to ESRD".
7.4.2	RQMT_134	BR 4.9.3	Only One Initial 2728	The System shall provide a mechanism to allow only one Initial Entitlement 2728 Medical Evidence Form to be completed for a patient.
7.4.3	RQMT_135	BR 4.9.4	Multiple Re-entitlement 2728	The System shall provide a mechanism to allow multiple Re-entitlement 2728 Medical Evidence Form for a patient.
7.4.4	RQMT_136	BR 4.9.5	One Supplemental 2728	The System shall provide a mechanism to allow only one Supplemental 2728 Medical Evidence Form for a patient.

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.4.5	RQMT_137	BR 4.9.5.1	Pre-populate Supplemental 2728	The System shall provide a mechanism to pre-populate the Supplemental 2728 Medical Evidence Form with the identical data found on the patient's Initial Entitlement 2728 Medical Evidence Form only when the Initial Entitlement 2728 Medical Evidence Form is in a submitted status.
7.4.6	RQMT_138	BR 4.9.5.2	Supplemental Area to Populate	The system shall provide a mechanism to allow Facility Editors to edit only the Training section of a Supplemental 2728 Medical Evidence Form when the Initial 2728 Medical Evidence Form is in a submitted status.
7.4.7	RQMT_139	BR 4.9.5.3	Transplant Edits 2728	Facilities editors shall be allowed to edit only the Transplant section of a Supplemental 2728 when the Initial 2728 is in a submitted status.
7.4.8	RQMT_140	BR 4.9.8	2728 Time Tracking	The System shall provide a mechanism that will track when a 2728 form is not in a Submitted status within 45 days of date patient started chronic dialysis, date of transplant, or date training began (consistent with the form type, the purpose of the form, and the type of facility submitting the form) for future reporting.
7.4.9	RQMT_141	BR 4.9.9	GFR out of Range	The System shall provide a mechanism that will warn the end user if the GFR (calculated upon clicking save or submit) is outside of the KDD-defined acceptable range and request end user to enter remarks.
7.4.10	RQMT_142	BR 4.9.10	Changing 2728 after Submitting	The System shall provide a mechanism that prohibits editing or deleting the 2728 Medical Evidence form/data, in accordance with the end user's role and scope, after the 2728 Medical Evidence Form is in a submitted status.
7.4.11	RQMT_143	BR 4.9.11	User Ability to Change 2728	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to create/retrieve/update/delete/print a 2728 (version 2005 only).
7.4.12	RQMT_145	BR 4.9.13	2728 Print Date Footer	The system shall provide a mechanism indicating the print date in the footer with text ("Date printed: mm/dd/yyyy") when a form 2728 Medical Evidence Form is printed.
7.4.13	RQMT_151	BR	Admit	The System shall provide a mechanism

#	Rqmt ID	Old BR ID	BR Title	Requirement
		5.4.5	Decision Tree	that allows the end user the option to view an Admit Decision Tree (PDF File) before starting a 2728 Medical Evidence Form.
7.4.14	RQMT_174	BR 5.5.13	Change Cause of Renal Failure Code on 2728	The System shall provide a mechanism that only allows a Network Patient Editor or CMS Editor to change the Primary Cause of Renal Failure Code once an end user submits the Initial 2728 Medical Evidence Form.
7.4.15	RQMT_902		Estimated Due Date	The System shall provide a mechanism to display the estimated due date of the 2728 Medical Evidence Form based on the patient's admission date (KDDRQMT_354) and admission reason (KDDRQMT_355).

7.5 - 2746 - Death Notification

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.5.1	RQMT_178	BR 5.6.6	Scope over Patient after Death	The System shall provide a mechanism that allows the end user to generate and submit the 2746 Death Notification Form after entering the patient’s date of death.
7.5.2	RQMT_128	BR 4.8.2	One Submitted 2746	The System shall provide a mechanism that allows only one Submitted 2746 Death Notification Form for each patient.
7.5.3	RQMT_129	BR 4.8.3	Prohibit Editing or Deleting 2746	The System shall provide a mechanism that prohibits the editing or deleting of 2746 Death Notification Form data after the form is in a Submitted status based on User Role and Scope.
7.5.4	RQMT_130	BR 4.8.4	2746 Based on Form Status and User Role and Scope	The System shall provide a mechanism that allows end user (as determined by their User Role and Scope) to create/retrieve/update/delete/print a 2746 Death Notification Form (version 2004) based on Form Status (Saved or Submitted).
7.5.5	RQMT_132	BR 4.8.6	Track Not Submitted 2746	The System shall provide a mechanism to track when a 2746 Death Notification Form is not in a Submitted status within 30 days of a patient's Date of Death (for future reporting).

7.6 GAP Patients

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.6.1	RQMT_762		Identification of	The System shall provide a mechanism to

#	Rqmt ID	Old BR ID	BR Title	Requirement
			GAP Patients	identify patients that have been discharged from a facility, where the patient's Discharge Reason is not Death and the patient does not have a subsequent Admit Record at any facility.
7.6.2	RQMT_711		User Access to GAP Patients	The System shall provide a mechanism that allows an end user (as determined by their User Role and Scope) to access GAP patients.
7.6.3	RQMT_706		Display Patients by Network or Facility	The System shall provide a mechanism that allows an end user (as determined by their User Role and Scope) to specify the GAP patients to display by Network or by a single facility.
7.6.4	RQMT_707		Filter to Select Patients	The System shall provide a mechanism that allows the end user to filter GAP Patients by a specified date range.
7.6.5	RQMT_708		GAP Column Headings	The System shall provide a mechanism to sort and display GAP patients using the following column headings: ~ Patient Name ~ DOB (age) (Current Age derived from DOB) ~ Gender ~ Discharge Info ~ Setting ~ Treatment ~ Last Facility
7.6.6	RQMT_709		Access Patient Data	The System shall provide a mechanism that allows the end user to access other areas of the patient record by clicking on a hyperlink in order to modify the Patient record: ~ Patient Name ~ Discharge Info ~ Setting ~ Treatment

7.7 Merging Patients

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.7.1	RQMT_146	BR 4.10.1	Combining Patients	The System shall provide a mechanism that allows an end user to Delete permissions the ability to merge patient's records in the event that a patient's information is duplicated in the System.

7.8 Treatment

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.8.1	RQMT_182	BR 6.3.1	Enter Treatment Data	The System shall provide a mechanism that allows the end user to enter the following data for a patient's treatment record: ~ Treatment Start Date (KDDRQMT_365) ~ Primary Dialysis Setting (KDDRQMT_366) ~ Primary Type of Treatment (KDDRQMT_367) ~ Sessions Per Week (KDDRQMT_368) ~ Time Per Session (in minutes) (KDDRQMT_369) ~ Attending Practitioner (KDDRQMT_370)
7.8.2	RQMT_183	BR 6.3.2	Enter and Update Treatment records	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to create/retrieve/update/delete/print Treatment data.
7.8.3	RQMT_184	BR 6.3.3	Patient in Submitted Status	The System shall provide a mechanism that allows an end user to add treatment data for a patient with a submitted status.

7.9 Patient Match Logic

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.9.1	RQMT_154	BR 5.5.3	Matching Patients	The System shall provide a mechanism to perform a search for Exact Match or Near Match Patient(s) based on the following identifiers: ~ SSN (KDDRQMT_120) ~ HICNUM (KDDRQMT_117) ~ First Name (KDDRQMT_115) ~ Last Name (KDDRQMT_113) ~ Date of Birth (KDDRQMT_119) ~ Gender (KDDRQMT_118)
7.9.2	RQMT_155	BR 5.5.4	Exact Match	The System shall provide a mechanism to admit a Patient as an Exact Match if all of the following identifiers match exactly. ~ SSN (KDDRQMT_120) ~ HICNUM (KDDRQMT_117) ~ First Name (KDDRQMT_115) ~ Last Name (KDDRQMT_113) ~ Date of Birth (KDDRQMT_119) ~ Gender (KDDRQMT_118)

#	Rqmt ID	Old BR ID	BR Title	Requirement
7.9.2.1	RQMT_158	BR 5.5.4.3	Exact Match Populate HICNUM or SSN	The System shall provide a mechanism that identifies a Patient as an Exact Match and auto-populates the missing identifier when both the SSN and Medicare Claim Number are populated during admit patient process and only one of these numeric identifier matches because the other one is not populated in CROWNWeb.
7.9.2.1.1	RQMT_157	BR 5.5.4.2	Do not Overwrite HICNUM or SSN	The System shall provide a mechanism that does not overwrite a missing SSN or Medicare Claim Number with a blank if an Exact Match Patient is identified by matching either of the numeric identifiers entered by the end user.
7.9.3	RQMT_160	BR 5.5.5	Near Match 6 Identifiers	The System shall provide a mechanism identifying a Patient as a Near Match if the end user submits data that closely matches another Patient in the system using the following identifying fields: ~ SSN (KDDRQMT_120) ~ HICNUM (KDDRQMT_117) ~ First Name (KDDRQMT_115) ~ Last Name (KDDRQMT_113) ~ Date of Birth (KDDRQMT_119) ~ Gender (KDDRQMT_118)
7.9.3.1	RQMT_161	BR 5.5.6	Near Match In Scope	The System shall provide a mechanism that allows the end user to see the Patient identified as a Near Match if the Near Match Patient is in the end user's scope.
7.9.3.2	RQMT_851		Near Match Out of Scope	The System shall provide a mechanism that displays a message to the end user to call their ESRD Network for a resolution if the Near Match Patient is out of the end user's scope.
7.9.3.3	RQMT_162	BR 5.5.6.1	Near match: 4 Patient Personal Identifiers Match	The System shall provide a mechanism to identify a Patient as a Near Match if all four of the patient’s personal identifiers match, but the two numeric identifiers do not match. Patient Numeric Identifiers:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ SSN (KDDRQMT_120) ~ HICNUM (KDDRQMT_117) Patient Personal Identifiers ~ First Name (KDDRQMT_115) ~ Last Name (KDDRQMT_113) ~ Date of Birth (KDDRQMT_119) ~ Gender (KDDRQMT_118)
7.9.3.4	RQMT_156	BR 5.5.4.1	Near Match with the Two Numeric Identifiers	The System shall provide a mechanism to determine a Near Match during the admit process based on the following: ~ Patient's SSN and HICNUM are populated and there is a match on either of these numeric identifiers, but a mismatch on the other numeric identifier, AND ~ Last Name, First Name, Gender, and Date of Birth match exactly.
7.9.3.5	RQMT_163	BR 5.5.6.2	Near Match with 1 patient numeric match and 1 or 2 mismatches on personal identifiers	The System shall provide a mechanism to identify a Near Match if one of the Patient's numeric identifiers matches and one or two mismatches are identified on the Patient's personal identifiers.
7.9.3.6	RQMT_165	BR 5.5.6.4	Near Match with 1 Patient numeric match and some personal identifiers mismatched	The System shall provide a mechanism to identify a Near Match, IF ~ One of the Patient's numeric identifiers matches and some of the Patient's personal identifiers are mismatches, OR ~ No exact match exists on the Patient's personal identifiers.
7.9.3.7	RQMT_167	BR 5.5.6.6	Near Match with 1 patient numeric identifier and 1 or more matches on personal identifiers.	The System shall provide a mechanism to identify a Near Match if there is one match on the Patient's numeric identifiers and one or more matches on the Patient's personal identifiers.
7.9.4	RQMT_168	BR 5.5.7	Network Override Near	The System shall provide a mechanism which allows a Network

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Match	end user to admit an identified existing Patient or admit a new Patient on behalf of a facility end user when a Near Match is identified.

8.1 General - Clinical

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.1.1	RQMT_846		Default Clinical Preferences	The System shall provide a mechanism that displays to the end user the specified default Clinical Preferences for the following clinical values: Adequacy: ~ Default BSA Method (PD) (KDDRQMT_77) ~ Default Kt/V Method (HD) (KDDRQMT_74) ~ Default V Method (PD) (KDDRQMT_76) ~ Default Patient Height Unit of Measure (KDDRQMT_82) ~ Default Patient Weight Unit of Measure (KDDRQMT_81) ~ Default Residual Renal Function Assessed in Calculating Kt/V (PD)? (KDDRQMT_78) Vascular Access: ~ Default Pre-Pump Pressure Frequency (KDDRQMT_80) ~ Default Vascular Access Physical Exam Frequency (KDDRQMT_79) Mineral Metabolism: ~ Default Lab Method for Serum Albumin (KDDRQMT_75)
8.1.2	RQMT_180	BR 6.1.1	Lab Test Information	The System shall provide a mechanism that allows the end user to submit the following information for data submission into the Clinical Module: ~ Collection Type (KDDRQMT_776) ~ Clinical Month (KDDRQMT_777) ~ Facility DBA Name (KDDRQMT_37) ~ Facility CCN (KDDRQMT_11) ~ Facility NPI (KDDRQMT_12) ~ Patient (Last and First Name based on the user's role and scope) (KDDRQMT_113, KDDRQMT_114)
8.1.3	RQMT_211	BR 6.6.2	Common Lab Test Date	The System shall provide a mechanism that allows the end user to enter a date that auto-populates the clinical date fields of the following clinical data elements: For Hemodialysis:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Hemoglobin(KDDRQMT_303) Serum Ferritin (KDDRQMT_307) Reticulocyte Hemoglobin (CHr)(KDDRQMT_311) Kt/V Hemodialysis(KDDRQMT_321) Kt/V Method (KDDRQMT_323) BUN Pre-dialysis (KDDRQMT_330) BUN Post-dialysis (KDDRQMT_331) Pre-Dialysis Weight (KDDRQMT_332) Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) Post-Dialysis Weight (KDDRQMT_334) Post-Dialysis Weight Unit of Measure (KDDRQMT_335) Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) Patient Height (KDDRQMT_338) Patient Height Unit of Measure (KDDRQMT_339) Serum Creatinine (KDDRQMT_300) Serum Phosphorus (KDDRQMT_315) Uncorrected Serum Calcium (KDDRQMT_319) Corrected Serum Calcium (KDDRQMT_317) Serium Albumin (KDDRQMT_296) Serum Albumin Lower Limit (KDDRQMT_298) Serum Albumin Lab Method (KDDRQMT_299) ESA Prescribed? (KDDRQMT_305) Intravenous (IV) Iron Prescribed? (KDDRQMT_313) For Peritoneal Dialysis Hemoglobin(KDDRQMT_303) Serum Ferritin (KDDRQMT_307) Iron Saturation (TSAT) Percentage (KDDRQMT_309) Reticulocyte (CHr)(KDDRQMT_311) Weekly Kt/V (KDDRQMT_325) V Method (KDDRQMT_326) BSA Method (KDDRQMT_327) RRF Assessed in Kt/V (KDDRQMT_328) Prescription Change after Adequacy Measurement (KDDRQMT_329) 24hr Dialysate Volume (KDDRQMT_344) 24hr Dialysate Urea Nitrogen (KDDRQMT_345) 24hr Dialysate Creatinine (KDDRQMT_346)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				24hr Urine Volume (KDDRQMT_347) 24hr Urine Urea Nitrogen (KDDRQMT_348) 24hr Urine Creatinine (KDDRQMT_349) Serum BUN (KDDRQMT_350) Height (KDDRQMT_338) Clinic Weight (KDDRQMT_340) BSA Corrected (KDDRQMT_342) Creatinine Clearance (KDDRQMT_343) Serum Creatinine (KDDRQMT_300) Serum Phosphorus (KDDRQMT_315) Uncorrected Serum Calcium (KDDRQMT_319) Corrected Serum Calcium (KDDRQMT_317) Serium Albumin (KDDRQMT_296) Serum Albumin Lower Limit (KDDRQMT_298) Serum Albumin Lab Method (KDDRQMT_299) ESA Prescribed (KDDRQMT_305) Intravenous (IV) Iron Prescribed (KDDRQMT_313)
8.1.4	RQMT_215	BR 6.6.4	Submit Patient Clinical Data	The System shall provide a mechanism that allows the end user to submit the following patient clinical data: Serum Albumin (KDDRQMT_296) Serum Albumin Collection Date (KDDRQMT_297) Serum Albumin Lower Limit (KDDRQMT_298) Lab Method (Serum Albumin) (KDDRQMT_299) Serum Creatinine (KDDRQMT_300) Serum Creatinine Collection Date (KDDRQMT_301) Hemoglobin (KDDRQMT_303) Hemoglobin Collection Date (KDDRQMT_301) ESA Prescribed? (KDDRQMT_305) Date ESA Prescription Changed (KDDRQMT_306) Serum Ferritin (KDDRQMT_307) Serum Ferritin Collection Date (KDDRQMT_308) Iron Saturation (TSAT) Percentage (KDDRQMT_309)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) Reticulocyte Hemoglobin (CHr)(KDDRQMT_311) Reticulocyte Hemoglobin (CHr)Collection Date (KDDRQMT_312) Intravenous (IV) Iron Prescribed? (KDDRQMT_313) Date IV Iron Prescription Changed (KDDRQMT_314) Serum Phosphorus (KDDRQMT_315) Serum Phosphorus Collection Date (KDDRQMT_316) Corrected Serum Calcium (KDDRQMT_317) Corrected Serum Calcium Collection Date(KDDRQMT_318) Uncorrected Serum Calcium (KDDRQMT_319) Uncorrected Serum Calcium Collection Date (KDDRQMT_320) Kt/V Hemodialysis (KDDRQMT_321) Kt/V Hemodialysis Collection Date (KDDRQMT_322) Kt/V Hemodialysis Method (KDDRQMT_323) Date of PD Adequacy Measurement (KDDRQMT_324) Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) Kt/V Peritoneal Dialysis Method (KDDRQMT_326) Body Surface Area Method (KDDRQMT_327) Residual Renal Function Assessed in Calculating Kt/V? (KDDRQMT_328) Treatment Changed? (KDDRQMT_329) BUN Pre-Dialysis (KDDRQMT_330) BUN Post-Dialysis (KDDRQMT_331) Pre-Dialysis Weight (KDDRQMT_332) Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) Post-Dialysis Weight (KDDRQMT_334) Post-Dialysis Weight Unit of Measure (KDDRQMT_335) Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) Patient Height (KDDRQMT_338) Patient Height Unit of Measure (KDDRQMT_339) Clinic Weight (KDDRQMT_340) Clinic Weight Unit of Measure (KDDRQMT_341)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Body Surface Area Corrected? (KDDRQMT_342) Creatinine Clearance (KDDRQMT_343) Dialysate Volume (KDDRQMT_344) Dialysate Urea Nitrogen (KDDRQMT_345) Dialysate Creatinine (KDDRQMT_346) Urine Volume (KDDRQMT_347) Urine Urea Nitrogen (KDDRQMT_348) Urine Creatinine (KDDRQMT_349) Serum BUN (KDDRQMT_350) Access Type for Dialysis (KDDRQMT_395) Date of Reported Dialysis Session (KDDRQMT_399) Maturing AVF Present? (KDDRQMT_396) Maturing Graft Present? (KDDRQMT_397) Date Access Type for Dialysis Changed (KDDRQMT_398) Date of Reported Dialysis Session (KDDRQMT_399) AVF Creation Date (KDDRQMT_400) AVF Useable Date (KDDRQMT_401)
8.1.5	RQMT_218	BR 6.6.6	Store Last Clinical Value	The System shall provide a mechanism to store the last submitted clinical dates and values entered by an end user for a Patient. Those clinical dates and values are: Serum Albumin (KDDRQMT_296) Serum Albumin Collection Date (KDDRQMT_297) Serum Albumin Lower Limit (KDDRQMT_298) Lab Method (Serum Albumin) (KDDRQMT_299) Serum Creatinine (KDDRQMT_300) Serum Creatinine Collection Date (KDDRQMT_301) Hemoglobin (KDDRQMT_303) Hemoglobin Collection Date (KDDRQMT_301) ESA Prescribed? (KDDRQMT_305) Date ESA Prescription Changed (KDDRQMT_306) Serum Ferritin (KDDRQMT_307) Serum Ferritin Collection Date (KDDRQMT_308) Iron Saturation (TSAT) Percentage (KDDRQMT_309) Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Reticulocyte Hemoglobin (CHr)(KDDRQMT_311) Reticulocyte Hemoglobin (CHr)Collection Date (KDDRQMT_312) Intravenous (IV) Iron Prescribed? (KDDRQMT_313) Date IV Iron Prescription Changed (KDDRQMT_314) Serum Phosphorus (KDDRQMT_315) Serum Phosphorus Collection Date (KDDRQMT_316) Corrected Serum Calcium (KDDRQMT_317) Corrected Serum Calcium Collection Date(KDDRQMT_318) Uncorrected Serum Calcium (KDDRQMT_319) Uncorrected Serum Calcium Collection Date (KDDRQMT_320) Kt/V Hemodialysis (KDDRQMT_321) Kt/V Hemodialysis Collection Date (KDDRQMT_322) Kt/V Hemodialysis Method (KDDRQMT_323) Date of PD Adequacy Measurement (KDDRQMT_324) Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) Kt/V Peritoneal Dialysis Method (KDDRQMT_326) Body Surface Area Method (KDDRQMT_327) Residual Renal Function Assessed in Calculating Kt/V? (KDDRQMT_328) Treatment Changed? (KDDRQMT_329) BUN Pre-Dialysis (KDDRQMT_330) BUN Post-Dialysis (KDDRQMT_331) Pre-Dialysis Weight (KDDRQMT_332) Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) Post-Dialysis Weight (KDDRQMT_334) Post-Dialysis Weight Unit of Measure (KDDRQMT_335) Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) Patient Height (KDDRQMT_338) Patient Height Unit of Measure (KDDRQMT_339) Clinic Weight (KDDRQMT_340) Clinic Weight Unit of Measure (KDDRQMT_341) Body Surface Area Corrected? (KDDRQMT_342)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Creatinine Clearance (KDDRQMT_343) Dialysate Volume (KDDRQMT_344) Dialysate Urea Nitrogen (KDDRQMT_345) Dialysate Creatinine (KDDRQMT_346) Urine Volume (KDDRQMT_347) Urine Urea Nitrogen (KDDRQMT_348) Urine Creatinine (KDDRQMT_349) Serum BUN (KDDRQMT_350) Access Type for Dialysis (KDDRQMT_395) Date of Reported Dialysis Session (KDDRQMT_399) Maturing AVF Present? (KDDRQMT_396) Maturing Graft Present? (KDDRQMT_397) Date Access Type for Dialysis Changed (KDDRQMT_398) Date of Reported Dialysis Session (KDDRQMT_399) AVF Creation Date (KDDRQMT_400) AVF Useable Date (KDDRQMT_401)
8.1.6	RQMT_656		Last Name Group Selection	The System shall provide a mechanism that allows the end user to select Patients by Last Name Group (KDDRQMT_775).
8.1.7	RQMT_959		Common Lab Test Date Auto-populates	The System shall provide a mechanism that allows the Common Lab Test Date to auto-populate each patient selected clinical data field, unless the end user navigates away from the Clinical Module, closes the Browser, logs out of the System, or changes the Common Lab Date.

8.2 Clinical Search

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.2.1	RQMT_850		Search Criteria	The System shall provide a mechanism that allows the end user to search for Patient clinical lab values using all of the following search criteria: ~ Clinical Month (KDDRQMT_777) ~ Display Patients(KDDRQMT_794) ~ Collection Type (KDDRQMT_795) ~ Measure (KDDRQMT_796)* ~ Facility DBA Name (KDDRQMT_37) ~ Facility CCN (KDDRQMT_11) ~ Facility NPI (KDDRQMT_12)

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.2.2	RQMT_852		Search by Clinical Month and Year	The System shall provide a mechanism that allows the end user to search for Patient clinical data by selecting the clinical month and year.
8.2.3	RQMT_857		Patient Search without Clinical Data	The System shall provide a mechanism that allows the end user to search for Patients that are missing all clinical values.
8.2.4	RQMT_858		Display Patient Per Page	The System shall provide a mechanism that allows the end user to select the number of Patients to display per page (KDDRQMT_797).
8.2.5	RQMT_861		Search by Patient Modality	The System shall provide a mechanism that allows the end user to perform a clinical search based on Collection Type(KDDRQMT_795).
8.2.6	RQMT_863		Search by Measure	The System shall provide a mechanism that allows the end user to perform a clinical search based on Measure criteria (KDDRQMT_796)for Hemodialysis, Peritoneal Dialysis or Vascular Access as follows: Hemodialysis: Anemia Management Adequacy Mineral Metabolism Peritoneal Dialysis: Anemia Management Adequacy Mineral Metabolism Vascular Access: General Exam Site
8.2.7	RQMT_712		Facility Editor and Viewer with Scope to One Facility Search by Facility DBA Name	The System shall provide a mechanism that allows the end user to select only one facility from the Facility DBA Name field (KDDRQMT_37) when conducting a clinical search when the end user's role is a Facility Editor or Facility Viewer and their scope is to only one

#	Rqmt ID	Old BR ID	BR Title	Requirement
				facility.
8.2.8	RQMT_651		Prohibit Transplant Facility Display	The System shall provide a mechanism that restricts the display of transplant facilities in the Facility DBA Name drop-down field (KDDRQMT_37).
8.2.9	RQMT_864		Facility Display Based on User Scope	The System shall provide a mechanism to display facilities within the end user's scope in the Facility DBA Name field (KDDRQMT_37).
8.2.10	RQMT_713		Auto-populate Facility CCN and NPI: CMS System Administrator, CMS Editor, and CMS Viewer	The System shall provide a mechanism to auto-populate the Facility CCN (KDDRQMT_11) and Facility NPI (KDDRQMT_12) after the end user selects the Facility DBA Name (KDDRQMT_37) for end users with the User Role of CMS System Administrator, CMS Editor, or CMS Viewer.
8.2.11	RQMT_865		Transplant Patient Exclusion Criteria	The System shall provide a mechanism to exclude a Patient from the clinical search when the Patient's Admit Reason is "Transplant" (KDDRQMT_355).
8.2.12	RQMT_961		Network Patient Editor and Viewer Facility Search	The System shall provide a mechanism that allows the end user with a role of Network Patient Editor or Network Patient Viewer to conduct a clinical search by entering the Facility CCN or the Facility NPI regardless of the end user's scope.
8.2.13	RQMT_962		Facility Editor and Viewer with Scope to more than One Facility Search by Facility DBA Name	The System shall provide a mechanism that allows the end user to select one facility at a time from the Facility DBA Name field (KDDRQMT_37) when conducting a clinical search when the end user's role is a Facility Editor or Facility Viewer and their scope is to more than one facility.
8.2.14	RQMT_963		Auto-populate Facility CCN and NPI: System Administrator	The System shall provide a mechanism to auto-populate the Facility CCN (KDDRQMT_11) and Facility NPI (KDDRQMT_12) after the end user selects the Facility DBA Name (KDDRQMT_37) for end users with the User Role of System Administrator.
8.2.15	RQMT_964		Auto-populate	The System shall provide a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Facility CCN and NPI: Network Patient Editor and Network Patient Viewer	mechanism to auto-populate the Facility CCN (KDDRQMT_11) and Facility NPI (KDDRQMT_12) after the end user selects the Facility DBA Name (KDDRQMT_37) for end users with the User Role of Network Patient Editor or Network Patient Viewer.
8.2.16	RQMT_960		CMS System Administrator, CMS Editor and CMS Viewer with Scope to more than one Facility Search by Facility DBA Name	The System shall provide a mechanism that allows the end user to conduct a clinical search when the end user's role is a CMS System Administrator, CMS Editor OR CMS Viewer by entering the Facility CCN or the Facility NPI.
8.2.17	RQMT_1008		Patient Search with Clinical Data	The System shall provide a mechanism that allows the end user to search for Patients with clinical values.

8.3 Adequacy of Dialysis

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.3.1	RQMT_191	BR 6.4.3.1	Hemodialysis Adequacy UI	The System shall provide a mechanism that allows the end user to enter the following Hemodialysis data for Adequacy measures: ~ Kt/V Hemodialysis (KDDRQMT_321) ~ Kt/V Hemodialysis Collection Date (KDDRQMT_322) ~ Kt/V Hemodialysis Method (KDDRQMT_323) ~ BUN Pre-Dialysis (KDDRQMT_330) ~ BUN Post-Dialysis (KDDRQMT_331) ~ Pre-Dialysis Weight (KDDRQMT_332) ~ Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) ~ Post-Dialysis Weight (KDDRQMT_334) ~ Post-Dialysis Weight Unit of Measure (KDDRQMT_335) ~ Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) ~ Patient Height (KDDRQMT_338) ~ Patient Height Unit of Measure (KDDRQMT_339) ~ Serum Creatinine (KDDRQMT_300) ~ Serum Creatinine Collection Date (KDDRQMT_301)

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.3.2	RQMT_196	BR 6.4.4.1	Peritoneal Dialysis Adequacy UI	The System shall provide a mechanism that allows the end user to enter the following Peritoneal Dialysis data elements for Adequacy measures: ~ Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) ~ Date of PD Adequacy Measurement (KDDRQMT_324) ~ Kt/V Peritoneal Dialysis Method (KDDRQMT_326) ~ Body Surface Area Method (KDDRQMT_327) ~ Residual Renal Function Assessed in Calculating Kt/V? (KDDRQMT_328) ~ Treatment Changed? (KDDRQMT_329) ~ 24hr Dialysate Volume (KDDRQMT_344) ~ Dialysate Urea Nitrogen (KDDRQMT_345) ~ Dialysate Creatinine (KDDRQMT_346) ~ Urine Volume (KDDRQMT_347) ~ Urine Urea Nitrogen (KDDRQMT_348) ~ Urine Creatinine (KDDRQMT_349) ~ Serum BUN (KDDRQMT_350) ~ Height (KDDRQMT_338) ~ Patient Height Unit of Measure (KDDRQMT_339) ~ Clinic Weight (KDDRQMT_340) ~ Clinic Weight Unit of Measurement (KDDRQMT_341) ~ BSA Corrected (KDDRQMT_342) ~ Creatinine Clearance (KDDRQMT_343) ~ Creatinine Clearance Method (KDDRQMT_746) ~ Serum Creatinine (KDDRQMT_300) ~ Serum Creatinine Collection Date (KDDRQMT_301)

8.4 Anemia Management

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.4.1	RQMT_201	BR 6.4.5.1	Anemia Management UI	The System shall provide a mechanism that allows the end user to enter the following Hemodialysis or Peritoneal Dialysis data elements for Anemia

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Management measures: ~ Hemoglobin (KDDRQMT_303) ~ Hemoglobin Collection Date (KDDRQMT_304) ~ Serum Ferritin (KDDRQMT_307) ~ Serum Ferritin Collection Date (KDDRQMT_308) ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312)

8.5 Mineral Metabolism

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.5.1	RQMT_204	BR 6.4.6.1	Mineral Metabolism UI	The System shall provide a mechanism that allows the end user to enter the following Hemodialysis or Peritoneal Dialysis data elements for Mineral Metabolism measures: ~ Serum Phosphorus (KDDRQMT_315) ~ Serum Phosphorus Collection Date (KDDRQMT_316) ~ Corrected Serum Calcium (KDDRQMT_317) ~ Corrected Serum Calcium Collection Date (KDDRQMT_318) ~ Serum Albumin (KDDRQMT_296) ~ Serum Albumin Collection Date (KDDRQMT_297) ~ Serum Albumin Lower Limit (KDDRQMT_298) ~ Lab Method (for Serum Albumin) (KDDRQMT_299) ~ Uncorrected Serum Calcium (KDDRQMT_319) ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320)

8.6 Vascular Access

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.6.1	RQMT_187	BR	Vascular Access	The System shall provide a mechanism

#	Rqmt ID	Old BR ID	BR Title	Requirement
		6.4.2.1	UI	that allows the end user to enter the following Vascular Access data elements for Vascular Access measures: ~ Access Type for Dialysis (KDDRQMT_395) ~ Maturing AVF Present (KDDRQMT_396) ~ Maturing Graft Present (KDDRQMT_397) ~ Date Access Type for Dialysis Changed (KDDRQMT_398) ~ Date of Reported Dialysis Session (KDDRQMT_399) ~ AVF Creation Date (KDDRQMT_400) ~ AVF Usable Date (KDDRQMT_401) ~ AV Fistula State (KDDRQMT_402) ~ AV Graft State (KDDRQMT_403) ~ Access Physical Examination (KDDRQMT_404) ~ Access Physical Examination Frequency (KDDRQMT_405) ~ Pre Pump Pressure (KDDRQMT_406) ~ Pre Pump Pressure Frequency (KDDRQMT_407) ~ Graft Survey (KDDRQMT_408) ~ Static Venous Pressure (KDDRQMT_409) ~ Static Venous Pressure Frequency (KDDRQMT_410) ~ Doppler (KDDRQMT_411) ~ Doppler Frequency (KDDRQMT_412) ~ Intra-Access Flow (KDDRQMT_413) ~ Intra-Access Flow Frequency (KDDRQMT_414)
8.6.2	RQMT_221	BR 6.7.2	Date Access Type Changed	The System shall provide a mechanism that allows the end user to change the 'Date Access Type for Dialysis Changed' (KDDRQMT_398) when a patient's access type changes.
8.6.3	RQMT_223	BR 6.7.2.2	Patient Modality Determined by Date of Reported Dialysis Session	The System shall provide a mechanism to use the 'Date of Reported Dialysis Session' (KDDRQMT_399) to determine the modality of a patient and display the appropriate data: If patient's 'Primary Type of Treatment' (KDDRQMT_367) is 'Hemodialysis' during the Treatment record as specified in the specified 'Date of

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Reported Dialysis Session' (KDDRQMT_399) using 'Treatment Start Date' (KDDRQMT_365) and 'Transplant Date' (KDDRQMT_381), THEN ~ Present Vascular Access questions for data entry, ELSE ~ Do not present any questions and indicate patient not Hemodialysis modality at specified time.

8.7 Prescription Information

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.7.1	RQMT_652		Prescription Information	The System shall provide a mechanism for the end user to enter the following Prescription Information data elements for Prescription Information CPM measures: ~ ESA Prescribed (KDDRQMT_305) ~ Date ESA Prescription Changed (KDDRQMT_306) ~ Intravenous (IV) Iron Prescribed (KDDRQMT_313) ~ Date IV Iron Prescription Changed (KDDRQMT_314)

8.8 Manage Chinical Periods

#	Rqmt ID	Old BR ID	BR Title	Requirement
8.8.1	RQMT_868		Manage Clinical Periods	The System shall provide a mechanism that allows the end user (as determined by their User Role and Scope) to open or close clinical periods.

9 REPORTS

9.1 General - Reports

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.1.1	RQMT_23	BR 1.4.3	View and Print Reports	The System shall provide a mechanism that allows the end user to view and print forms and reports available in the System.
9.1.2	RQMT_27	BR 1.6.1	Reports - Print Preview	The System shall provide a mechanism that allows the end user to preview reports before printing.
9.1.3	RQMT_31	BR 1.6.5	Date stamp	The System shall provide a mechanism to include a date stamp on all reports.
9.1.4	RQMT_32	BR 1.6.6	User First and Last Name on all Non-Form Reports	The System shall provide a mechanism to include the end user's first and last name on all reports.
9.1.5	RQMT_750		OMB Form 2728	The System shall provide a mechanism that allows the end user to print a blank OMB Form 2728 - OMB NO. 0938-0046 Form CMS-2728-U3 (03/06).
9.1.5.1	RQMT_751		OMB Form 2728 Instructions	The System shall provide a mechanism that allows the end user to print a blank OMB Form 2728 - OMB NO. 0938-0046 Form CMS-2728-U3 (03/06) Instructions.
9.1.6	RQMT_752		OMB Form 2746	The System shall provide a mechanism that allows the end user to print a blank OMB Form 2746 - OMB NO. 0938-0448 Form CMS-2746-U2 (08/06) EF 08/2006.
9.1.6.1	RQMT_753		OMB Form 2746 Instructions	The System shall provide a mechanism that allows the end user to print a blank OMB Form 2746 - OMB NO. 0938-0448 Form CMS-2746-U2 (08/06) EF 08/2006 Instructions.
9.1.7	RQMT_898		PHI/PII Privacy Statement	The System shall provide a mechanism to display the following statement at the bottom of the footer on each page of the following CROWNWeb Reports: Patient Roster Report, Facility Personnel Report, Audit Report for Forms, Audit Report for Updates, Audit Report for Additions, and Audit Report for Deletions: "Caution: This report may contain sensitive information; Personally Identifiable Information (PII) - Social Security Number (SSN/SSAN), Name,

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Date of Birth (DOB), Age, Gender, etc.; defined as any information in aggregate which may be used to derive the identity of an individual, or Protected Health Information (PHI) - defined as any information about health status, provision of health care, or payment for health care that can be linked to an individual and includes any part of a patient's medical record or payment history. Care should be taken in the handling and disposition of this report to protect the privacy of the individual or sensitivity of information contained within the report. Please ensure that these reports are handled and disposed of properly to avoid exposing any potential PII (Personally Identifiable Information) data or to avoid exposing any individual to potential Identity Theft risk."

9.2 Audit Reports

9.2.1 Additions

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.2.1.1	RQMT_457	BR 23.5.1	Generate Report	The System shall provide a mechanism that allows the end user to generate an Audit Additions report for any newly submitted records.
9.2.1.2	RQMT_458	BR 23.5.2	Specify Start and End Date	The System shall provide a mechanism that allows the end user to specify a Start and End Date, at least one Facility and one Module for the Audit Additions report.
9.2.1.3	RQMT_459	BR 23.5.3	Search Multiple Modules	The System shall provide a mechanism that allows the end user to search the following multiple modules on the Audit Additions report:(Patient, Facility, Forms(2728, 2746), Admit/Discharge/Treatment, Clinical)
9.2.1.4	RQMT_460	BR 23.5.4	Group by Module	The System shall provide a mechanism that allows the end user to group by module.
9.2.1.5	RQMT_461	BR 23.5.5	Additions: Report Details	The System shall provide a mechanism to include the following fields on the Audit Additions report:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Report Body ~ Module Information: Module Name or Form Type, Addition Date, Module Identifier, Module Detail Information, Facility Information, Personnel Last Name, First Name, Patient Last Name and First Name, and User Information who added record. ~ Facility Information: Facility DBA Name and CROWN Facility ID ~ Data Changes: Addition Date for new submitted records ~ User Information: User Last Name, User First Name ~ Footer: User Last Name and First Name, Date Report was Generated, and Page X of Y.
9.2.1.6	RQMT_640		Sort order selections for Additions Audit Report	The system shall provide a mechanism that allows the end user to sort the Audit Additions report using the following selections: ~ Module Identifier ~ Addition Date ~ Facility ~ Module
9.2.1.7	RQMT_1010		Audit Additions Report: Set the Tolerance Factor	The System shall provide a mechanism that allows the end user to set the tolerance factor up to seven (7) days for the Start and End Dates with the default of zero (0) for the Audit Additions Report.

9.2.2 Deletions

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.2.2.1	RQMT_462	BR 23.6.1	Generate Report	The System shall provide a mechanism that allows the end user to generate an Audit Deletions report for any submitted records that have been deleted.
9.2.2.2	RQMT_463	BR 23.6.2	Specify Start and End Date	The System shall provide a mechanism that allows the end user to specify Start and End Dates, facilities, and modules for the Audit Deletions report.
9.2.2.3	RQMT_464	BR 23.6.3	Search Multiple	The System shall provide a mechanism that allows the end user to search the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Modules	following multiple modules on the Audit Deletions report: (Patient, Facility, Forms (2728, 2746), Admit/Discharge/Treatment, and Clinical).
9.2.2.4	RQMT_465	BR 23.6.4	Group by Module	The System shall provide a mechanism that allows the end user to group by module.
9.2.2.5	RQMT_466	BR 23.6.5	Deletions: Report Details	The System shall provide a mechanism that allows the end user to include the following fields on the Audit Deletions report: Report Body ~ Module Information: Module Name or Form Type where record was deleted, Module Identifier, Module Detail Information (patient or personnel name or facility name) ~ Facility Information: CROWN UPI, Facility DBA Name ~ Data Changes: Deletion Date ~ User Information: User Last Name, User First Name ~ Footer: User Last Name and First Name, Date Report was Generated, and Page X of Y.
9.2.2.6	RQMT_642		Sort order selection for Deletions Audit Report	The System shall provide a mechanism that allows the end user to sort the Audit Deletions report using the following selections: ~ Module ~ Facility ~ Module ~ Deletion Date
9.2.2.7	RQMT_1011		Audit Deletions Report: Set the Tolerance Factor	The System shall provide a mechanism that allows the end user to set the tolerance factor up to seven (7) days for the Start and End Dates with the default of zero (0) for the Audit Deletions Report.

9.2.3 Forms

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.2.3.1	RQMT_449	BR 23.3.1	Generate 2746 Forms Report	The System shall provide a mechanism that allows the end user (as determined by the User's Role and Scope) to generate Audit Forms reports for 2746 forms submitted.
9.2.3.2	RQMT_450	BR 23.3.2	Specify Start and End Date	The System shall provide a mechanism that allows the end user to specify Start and End Dates, at least one facility, and at least one or both form types (2728 or 2746) for the Audit Forms report.
9.2.3.3	RQMT_451	BR 23.3.3	Forms: Report Details	The System shall provide a mechanism that allows the end user to include the following fields on the Audit Forms report: Report body ~ Form Type: 2728 or 2746 Forms Deleted and Submitted (2728 and 2746) ~ Sub/Del: Action Date (Either Date form was submitted or deleted Form) ~ CROWN UPI: Patient CROWN Identifier ~ Patient Info: Patient Last Name and First Name ~ Facility Info: Facility DBA Name and (Facility CCN) ~ User Info: User Last Name First and First Name who submitted or deleted the form. ~ 2728 Submitted: Count Value, 2728 Deleted: Count Value, Total 2728: Sum of 2728 Submitted and Deleted ~ 2746 Submitted: Count Value, 2746 Deleted: Count Value, Total 2746: Sum of 2746 Submitted and Deleted ~ Total Submitted, Total Deleted, and Total Forms ~ User Last Name and First Name,

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Date Report was Generated, and Page X of Y.
9.2.3.4	RQMT_641		Sort order selection for Audit Forms Report	The System shall provide a mechanism that allows the end user to sort the Audit Forms report using the following selections: ~ Patient Name ~ Facility ~ Form Type ~ Action Date
9.2.3.5	RQMT_1009	BR 23.3.1	Generate 2728 Forms Report	The System shall provide a mechanism that allows the end user (as determined by the User's Role and Scope) to generate Audit Forms reports for 2728 forms submitted.
9.2.3.6	RQMT_1012		Audit Forms Report: Set the Tolerance Factor	The System shall provide a mechanism that allows the end user to set the tolerance factor up to seven(7) days for the Start and End Dates with the default of zero(0)for the Audit Forms Report.

9.2.4 Updates

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.2.4.1	RQMT_452	BR 23.4.1	Generate Report	The System shall provide a mechanism that allows the end user (as determined by the user's Role and Scope) to generate an Audit Updates report for all submitted updates.
9.2.4.2	RQMT_453	BR 23.4.2	Specify Start and End Date	The System shall provide a mechanism that allows the end user to specify Start and End Date, facilities, and module for the Audit Updates report.
9.2.4.3	RQMT_454	BR 23.4.3	Search by Multiple Modules	The System shall provide a mechanism that allows the end user to search the following multiple modules on the Audit Updates report: (Patient, facility, Forms (2728, 2746), Admit/Discharge/Treatment, and Clinical).
9.2.4.4	RQMT_455	BR 23.4.4	Group by Module	The System shall provide a mechanism that allows the end user to group the Audit Updates report by modules.
9.2.4.5	RQMT_456	BR 23.4.5	Updates: Report Details	The System shall provide a mechanism that allows the end user to include the following fields on the Audit Updates report:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Report Body ~ Module ~ Module Identifier ~ Change Date ~ Field Name: Any editable field ~ Previous Value ~ Changed Value ~ Facility Info: Facility DBA Name, (CROWN Facility ID) ~ User Information: User Last Name, User First Name ~ Footer: User Last Name and First Name, Date Report was Generated, and Page X of Y.
9.2.4.6	RQMT_643		Sort order selection for Audit Updates Report	The System shall provide a mechanism that allows the end user to sort the Audit Updates report using the following selections: ~ Module Identifier ~ Facility ~ Module ~ Change Date
9.2.4.7	RQMT_1013		Audit Updates Report: Set the Tolerance Factor	The System shall provide a mechanism that allows the end user to set the tolerance factor up to seven (7) days for to Start and End Dates with the default of zero (0) for the Audit Updates Report.

9.3 CPM Reports

9.3.1 General - CPM Reports

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.1.1	RQMT_287	BR	Create Facility	The System shall provide a

#	Rqmt ID	Old BR ID	BR Title	Requirement
		14.1.1	CPM Report	mechanism to generate a CPM report based on the end user's selected facility criteria.
9.3.1.2	RQMT_339	BR 14.16.2	Batch User Role Exclusion	The System shall provide a mechanism that prohibits an end user assigned only the Batch user role from generating the CPM reports.
9.3.1.3	RQMT_290	BR 14.3.4	Study Period	The System shall provide a mechanism for the end user to select the Study Period Start and End Dates.
9.3.1.4	RQMT_302	BR 14.4.5	Denominator Less Than 11: Suppress the Calculated Measure	The System shall provide a mechanism to suppress a calculated measurement from the CPM reports, to include both the percentage and total number, when the denominator for any measurement has a value which is less than 11.
9.3.1.5	RQMT_303	BR 14.4.5.1	Denominator Less Than 11: Use of Asterisk (*)	The System shall provide a mechanism to display an asterisk (*) for each occurrence of a suppressed value on the CPM Reports.
9.3.1.6	RQMT_304	BR 14.4.5.2	Denominator Less Than 11: Text Display	The System shall provide a mechanism to display the following text on every page of the CPM reports when a value on the report is suppressed because n < 11: * Value suppressed because n < 11. They System shall provide a mechanism to display a blank footer on every page of the CPM reports when a value on the report is not suppressed because n<11.
9.3.1.7	RQMT_433	BR 14.45.1	CPM Report Names	The System shall provide a mechanism for the end user to select a CPM Report to run based on the following CPM Report Titles: 1. ESRD Clinical Performance Measures Summary - HD 2. ESRD Clinical Performance

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Measures Summary - PD
9.3.1.8	RQMT_637		Definitions of the Study Periods	The System shall provide a mechanism to derive additional date values for the measure calculations and the reports from the User-specified Reporting Period End Date and timeframes specific to each report, unless otherwise noted: ~ Hemodialysis ESRD CPM Summary Report has a three (3) month Reporting Period, and includes: ~ HD Adequacy CPMs which have a one (1) month Study Period ~Vascular Access CPMs which have a one (1) month Study Period ~ Anemia Management CPMs which have a three (3) month Study Period ~ Mineral Metabolism CPMs which have a one (1) month Study Period ~ Peritoneal Dialysis ESRD CPM Summary Report has a four (4) month Reporting Period, and includes: ~ PD Adequacy CPMs which have a four (4) month Study Period ~ Vascular Access CPMs which have a one (1) month Study Period ~ Anemia Management CPMs which have a three (3) month Study Period ~Mineral Metabolism CPMs which have a one (1) month Study Period

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Fistula First ESRD Summary Report has a one (1) month Reporting Period, ~ All Fistula First measures have a one (1) month Study Period
9.3.1.9	RQMT_1014	BR 14.45.8	View before Printing CPM Reports	The System shall provide a mechanism for the end user to view the CPM reports before printing.
9.3.1.10	RQMT_295	BR 14.4.1	CPM Report Print	The System shall provide a mechanism for the end user to print the CPM reports.

9.3.2 CPM Report Setup

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.2.1	RQMT_296	BR 14.4.2	Display Report Percentage	The System shall provide a mechanism to display the percentage measurement as NNN.N% on the CPM reports.
9.3.2.2	RQMT_633	BR 14.4.2	Display Report Measurement Counts	The System shall provide a mechanism to display the number measurement as [Count]in the CPM reports.
9.3.2.3	RQMT_429	BR 14.44	Calculate Facility, State, ESRD Network and National	The System shall provide a mechanism to calculate the aggregate Facility, State, ESRD Network and National values for each measure on the CPM Reports.
9.3.2.4	RQMT_430	BR 14.44.1	Calculate Facility Percent	The System shall provide a mechanism to calculate the Facility percent measurement for the CPM Reports.
9.3.2.5	RQMT_431	BR 14.44.2	Calculate ESRD Network Percent	The System shall provide a mechanism to calculate the ESRD Network percent measurement for the CPM Reports.
9.3.2.6	RQMT_432	BR 14.44.3	Calculate National Percent	The System shall provide a mechanism to calculate the National percent measurement for the CPM Reports.
9.3.2.7	RQMT_618	BR 14.44.3	Calculate State Percent	The System shall provide a mechanism to calculate the State percent measurement for the CPM Reports.
9.3.2.8	RQMT_436	BR	CPM Reports -	The System shall provide a

#	Rqmt ID	Old BR ID	BR Title	Requirement
		14.45.4	Footer User name	mechanism to display the end user's Last Name, First Name in the footer of each page of the CPM Reports.
9.3.2.9	RQMT_437	BR 14.45.5	Report Header and Footer	The System shall provide a mechanism to display the CPM Report's Header and Footer on all report pages.
9.3.2.10	RQMT_438	BR 14.45.6	Location of Header and Footer	The System shall provide a mechanism to display the header and footer information in the same location on all CPM report pages when multiple pages are printed.
9.3.2.11	RQMT_439	BR 14.45.7	Display Measures	The System shall provide a mechanism to display report data that include: Facility, Network, State and National results.
9.3.2.12	RQMT_619		CPM Reports: Header Line One	The System shall provide a mechanism to display on the first line of a header the following on each page of the CPM Reports: "Facility comparison to State, Network, and National results for Study Period [ending Month Year]."
9.3.2.13	RQMT_620		CPM Reports: Header Line One: Month and Year	The System shall provide a mechanism to display on the first line of a header the Month and Year selected by the end user of the CPM reports.
9.3.2.14	RQMT_621		CPM Reports - Header Line Two	The System shall provide a mechanism to display on the second line of a header the following on each page of the CPM Reports: Facility: X (CCN:#) where X shall be displayed as the selected facility's DBA Name and # shall be displayed as the selected facility's CCN.
9.3.2.15	RQMT_622		CPM Reports - Header Line Three	The System shall provide a mechanism to display on the third line of a header the following on each page of the CPM Reports:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				"ESRD Clinical Performance Measures Summary"
9.3.2.16	RQMT_623		CPM Reports: Header Line Four	The System shall provide a mechanism to display the following header on Line Four of each page for the CPM Reports based on the end user selection of HD or PD: For HD: Facility, State, Network and National Data for Hemodialysis Patients For PD: Facility, State, Network and National Data for Peritoneal Dialysis Patients
9.3.2.17	RQMT_624		CPM Reports - Header Line Five	The System shall provide a mechanism to display the following header on line five of the header for each page of the CPM Reports based on the end user selected Study Period. Study Period: [Month Year - Month Year]
9.3.2.18	RQMT_625		CPM Reports - Header Line Six	The System shall provide a mechanism to display the following header on line six of each page of the CPM Reports: Use this tool to compare your Facility Outcomes to State, Network, and National data"
9.3.2.19	RQMT_626		CPM Reports: Facility Column Header	The System shall provide a mechanism to display the following Facility Column header as: Facility "F" where F shall equal the end user's selected facility's CCN.
9.3.2.20	RQMT_627		CPM Reports: State Column Header	The System shall provide a mechanism to display the following State Column header as: State

#	Rqmt ID	Old BR ID	BR Title	Requirement
				where State shall equal the end user's selected facility's State.
9.3.2.21	RQMT_628		CPM Reports: ESRD Network Column Header	The System shall provide a mechanism to display the following ESRD Network Column header as: ESRD Network where ESRD Network shall equal the end user's selected facility's ESRD Network .
9.3.2.22	RQMT_629		CPM Reports: National Column Header	The System shall provide a mechanism to display the following National header as: National
9.3.2.23	RQMT_630		CPM Reports: Footer - Report Requested on	The System shall provide a mechanism to display the following text on every page of the CPM reports: Report Requested on: Mmm dd, yyyy hh:mm:ss AM/PM where Mmm is the abbreviation of month, dd is the day, yyyy is the year, hh is the hour, mm is the minute(s) and ss is the second (s) the end user generated the CPM report.
9.3.2.24	RQMT_631		CPM Reports: Footer: Page Numbers	The System shall provide a mechanism to display the CPM page number in the following format: Page x of y where x, is the current page and y is the total number of pages in the selected report. The page number is right justified.
9.3.2.25	RQMT_632		CPM Reports: Footer: CMS Disclaimer	The System shall provide a mechanism to display the following statement at the bottom of each page of the CPM reports footer: "The contents of this report are not considered valid until after

#	Rqmt ID	Old BR ID	BR Title	Requirement
				the close of the CMS designated reporting period."

9.3.3 Both HD and PD Summary

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.3.1	RQMT_567	BR 14.16	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description in the Anemia Management - HD section on the ESRD Clinical Performance Measures Summary Report (HD) and on the ESRD Clinical Performance Measures Summary Report (PD): CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Adult (>= 18 years old) HD and PD patients, with ESRD >= 3 months, who have received ESA therapy at any time during a 3 month reporting period AND have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)
9.3.3.1.1	RQMT_367	BR 14.24.1	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Patient Population	The System shall provide a mechanism to determine three patient populations for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM creating three groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component ~ PD Component
9.3.3.1.2	RQMT_378	BR 14.27.1	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Study	The System shall provide a mechanism to determine the 3 month Study Period(s)for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined)

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Period	Anemia Management CPM based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.1.3	RQMT_340	BR 14.16.3	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Denominator - In-Center	The System shall provide a mechanism to determine the denominator for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by selecting those patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date, ~ Primary Type of Treatment (KDDRQMT_354) = 'Hemodialysis' on the last day of the study period, ~ Primary Dialysis Setting (KDDRQMT_303) = 'Dialysis Facility/Center' on the last day of the study period, ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, ~ ESA Prescribed (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the Study Period."

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.3.1.4	RQMT_780	BR 14.16.3	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Denominator - Home	The System shall provide a mechanism to determine the denominator for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by selecting those patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date ~ Primary Type of Treatment (KDDRQMT_354) = 'Hemodialysis' on the last day of the study period ~ Primary Dialysis Setting (KDDRQMT_303) = 'Home' on the last day of the study period ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, ~ ESA Prescribed? (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the Study Period."
9.3.3.1.5	RQMT_781	BR 14.16.3	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Denominator - PD	The System shall provide a mechanism to determine the denominator for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by selecting those patients for the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date ~ Primary Type of Treatment (KDDRQMT_354) = 'CAPD' or 'CCPD' on the last day of the study period ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, ~ ESA Prescribed? (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the Study Period.
9.3.3.1.6	RQMT_341	BR 14.16.4	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine the numerator for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by counting a patient identified in the In-Center HD denominator when: ~ The mean of the patient's last recorded Hemoglobin (KDDRQMT_303) value for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.3.1.7	RQMT_782	BR 14.16.4	CPM 1a: Hemoglobin Control for ESA	The System shall provide a mechanism to determine the numerator for CPM 1a:

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Therapy (HD & PD Combined): Numerator - Home	Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by counting a patient identified in the Home HD denominator when: ~ The mean of the patient's last recorded Hemoglobin (KDDRQMT_303) value for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.3.1.8	RQMT_783	BR 14.16.4	CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine the numerator for CPM 1a: Hemoglobin Control for ESA Therapy (HD & PD Combined) Anemia Management CPM by counting a patient identified in the PD denominator when: ~ The mean of the patient's last recorded Hemoglobin (KDDRQMT_303) value for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.3.2	RQMT_794	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description in the Anemia Management section on the ESRD Clinical Performance Measures Summary Report (HD) and on the ESRD Clinical Performance Measures Summary Report (PD): CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Adult (>= 18 years old) HD and PD patients, with ESRD greater or equal to 3 months, who have a mean hemoglobin <10.0 g/dL for a 3 month reporting period, irrespective of ESA use. The hemoglobin value reported for the end of each reporting month (end-of-month hemoglobin) is used for the calculation.

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.3.2.1	RQMT_682	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 3 month Study Period(s) for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.2.2	RQMT_795	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Patient Population	The System shall provide a mechanism to determine the 3 numerator and denominator groupings for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) measure: ~ In-Center HD component ~ Home HD component ~ Peritoneal Dialysis
9.3.3.2.3	RQMT_789	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Denominator - Home	The System shall provide a mechanism to determine the denominator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) Anemia Management CPM by selecting those patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period ~ Patient has a Discharge Date (KDDRQMT_361)that is blank or greater than or equal to the last day of the study period ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date ~ Primary Type of Treatment (KDDRQMT_367)=

#	Rqmt ID	Old BR ID	BR Title	Requirement
				'Hemodialysis' on the last day of the study period ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period ~ Hemoglobin (KDDRQMT_303)is populated for at least 2 of the 3 months of the study period
9.3.3.2.4	RQMT_790	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Denominator - PD	The System shall provide a mechanism to determine the denominator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) Anemia Management CPM by selecting those patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period ~ Patient has a Discharge Date (KDDRQMT_361)that is blank or greater than or equal to the last day of the study period ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date ~ Primary Type of Treatment (KDDRQMT_367)= 'CCPD' or 'CAPD' on the last day of the study period ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months of the study period
9.3.3.2.5	RQMT_791	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD &	The System shall provide a mechanism to determine the denominator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD

#	Rqmt ID	Old BR ID	BR Title	Requirement
			PD Combined): Denominator - In-Center	Combined) Anemia Management CPM by selecting those patients for the study period based on all of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period ~ Hemoglobin (KDDRQMT_303)is populated for at least 2 of the 3 months of the study period
9.3.3.2.6	RQMT_788	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine the numerator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) Anemia Management CPM by counting the patients identified in the Home HD denominator when: ~ The mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.
9.3.3.2.7	RQMT_792	BR 14.32.1	CPM Ib: Monitoring	The System shall provide a mechanism to determine the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Hemoglobin Levels Below Target Minimum (HD & PD Combined): Numerator - In-Center	numerator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) Anemia Management CPM by counting the patients identified in the In-Center HD denominator when: ~ The mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.
9.3.3.2.8	RQMT_793	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine the numerator for CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined) Anemia Management CPM by counting the patients identified in the PD denominator when: ~ The mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.
9.3.3.3	RQMT_381	BR 14.28.1	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description in the Anemia Management section on the ESRD Clinical Performance Measures Summary Report (HD) and on the ESRD Clinical Performance Measures Summary Report (PD): CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients included in the sample for analysis with serum phosphorous measured once within the month.
9.3.3.3.1	RQMT_579	BR 14.28	CPM I: Measurement of Serum Phosphorus (HD & PD Combined):	The System shall provide a mechanism to determine three patient populations are included in CPM I: Measurement of Serum Phosphorus (HD & PD Combined)

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Patient Population	measure creating three groupings for the denominator and numerator calculation. ~ In-Center HD ~ Home HD ~ PD
9.3.3.3.2	RQMT_704	BR 14.28	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s)based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.3.3	RQMT_382	BR 14.28.2	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Denominator - In-Center	The System shall provide a mechanism to determine the denominator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by selecting those patients for the one month study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period
9.3.3.3.4	RQMT_842	BR 14.28.2	CPM I: Measurement of Serum Phosphorus (HD & PD Combined):	The reporting system shall determine the denominator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Denominator - Home	selecting those patients for the one month study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.3.3.5	RQMT_843	BR 14.28.2	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Denominator - PD	The System shall determine the denominator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by selecting those patients for the one month study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period
9.3.3.3.6	RQMT_844	BR 14.28.3	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Numerator Home	The System shall provide a mechanism to determine the numerator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by

#	Rqmt ID	Old BR ID	BR Title	Requirement
				counting a Home HD patient identified in denominator when: ~ Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.3.7	RQMT_845	BR 14.28.3	CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine the numerator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by counting a PD patient identified in denominator when: ~ Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.3.8	RQMT_383	BR 14.28.3	CPM I: Measurement of Serum Phosphorous Concentration: (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine the numerator for CPM I: Measurement of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by counting a In-Center HD patient identified in denominator when: ~ Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.4	RQMT_583	BR 14.31	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description on the ESRD Clinical Performance Measures Summary Report (HD) and on the ESRD Clinical Performance Measures Summary Report (PD): CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with a mean phosphorous between 3.5 and 5.5 mg/dL.
9.3.3.4.1	RQMT_390	BR 14.31.1	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 1 month study period based on the following criteria: ~ In-Center HD

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Home HD ~ PD
9.3.3.4.2	RQMT_391	BR 14.31.2	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Denominator - In-Center	The System shall determine one part of the denominator for this Mineral Metabolism CPM by selecting those patients for the study period based on ALL of the following In-Center HD patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period." AND ~ For each month of the specified study period, Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.4.3	RQMT_853	BR 14.31.2	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Denominator - Home	The System shall determine one part of the denominator for this Mineral Metabolism CPM by selecting those patients for the study period based on ALL of the following In-Center HD patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal

#	Rqmt ID	Old BR ID	BR Title	Requirement
				to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period." AND ~ For each month of the specified study period, Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.4.4	RQMT_854	BR 14.31.2	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Denominator - PD	The System shall determine one part of the denominator for CPM II: Evaluation of Serum Phosphorus (HD & PD Combined) Mineral Metabolism CPM by selecting those patients for the study period based on ALL of the following PD patient selection criteria: ~ For each month of the specified study period, Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.4.5	RQMT_392	BR 14.31.3	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting those In-Center HD patients identified in the denominator When,

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Mean of the patient's last recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.
9.3.3.4.6	RQMT_855	BR 14.31.3	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting those Home HD patients identified in the denominator When, Mean of the patient's last recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.
9.3.3.4.7	RQMT_856	BR 14.31.3	CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting those PD patients identified in the denominator When, Mean of the patient's last recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.
9.3.3.5	RQMT_399	BR 14.34.1	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description on the ESRD Clinical Performance Measures Summary Report (HD) and on the ESRD Clinical Performance Measures Summary Report (PD): CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with at least one serum calcium

#	Rqmt ID	Old BR ID	BR Title	Requirement
				measured at least once monthly.
9.3.3.5.1	RQMT_586	BR 14.34	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Patient Population	The System shall provide a mechanism to determine the three patient populations are included in CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) measure creating three groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component ~ PD Component
9.3.3.5.2	RQMT_400	BR 14.34.2	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.5.3	RQMT_645	BR 14.37.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - In-Center	The System shall provide a mechanism to determine the denominator for CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) Mineral Metabolism CPM by selecting those patients for the one month Study Period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the Study Period ~ Primary Dialysis Setting

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the Study Period
9.3.3.5.4	RQMT_869	BR 14.37.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - Home	The System shall determine one part of the denominator for this Mineral Metabolism CPM by selecting those patients for the study period based on ALL of the following PD patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period. AND ~ For each month of the specified study period, Serum Phosphorus (KDDRQMT_315) is populated.
9.3.3.5.5	RQMT_870	BR 14.37.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - PD	The System shall provide a mechanism to determine the denominator for CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) Mineral Metabolism CPM by selecting those patients for the one month Study Period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month ~ Primary Type of Treatment (KDDRQMT_367) = 'CCPD' or 'CAPD' on the last day of the Study Period
9.3.3.5.6	RQMT_401	BR 14.34.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine the numerator for CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) Mineral Metabolism CPM by counting an In-Center HD patient identified in the denominator when during the 1 month study period, at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319) AND Including ALL the following: ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) ~ Serum Albumin(KDDRQMT_296) ~ Serum Albumin Collection Date (KDDRQMT_297) ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.3.5.7	RQMT_866	BR 14.34.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine the numerator for CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) Mineral Metabolism CPM by counting a Home HD patient identified in denominator when during the 1

#	Rqmt ID	Old BR ID	BR Title	Requirement
				month study period, at least one of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319) AND ALL the rest of the following: ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) ~ Serum Albumin(KDDRQMT_296) ~ Serum Albumin Collection Date (KDDRQMT_297) ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.3.5.8	RQMT_867	BR 14.34.3	CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine the numerator for CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined) Mineral Metabolism CPM by counting a PD patient identified in denominator when during the 1 month study period, at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319) AND ALL the following: ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) ~ Serum Albumin(KDDRQMT_296)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Serum Albumin Collection Date (KDDRQMT_297) ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.3.6	RQMT_408	BR 14.37.1	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Heading and Description	The System shall provide a mechanism to display the following CPM heading and corresponding description on the ESRD Clinical Performance Measures Summary Report (HD)and on the ESRD Clinical Performance Measures Summary Report (PD): CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with last recorded calcium between 8.4 and 10.2 mg/dL.
9.3.3.6.1	RQMT_589	BR 14.37	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Patient Population	The System shall provide a mechanism to determine three patient populations included in this measure creating three groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component ~ PD Component
9.3.3.6.2	RQMT_409	BR 14.37.2	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s)based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.6.3	RQMT_410	BR 14.37.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - In-Center	The System shall provide a mechanism to determine one part of the denominator for this Mineral Metabolism CPM by selecting those In-Center HD patients for the study period based on ALL of the following patient selection criteria:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the Study Period AND Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the Study Period. During the Study Period, AND At least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317) OR ~ Uncorrected Serum Calcium (KDDRQMT_319) AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) AND ~ Serum Albumin (KDDRQMT_296) AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Serum Albumin Collection Date (KDDRQMT_297) AND ~ Serum Albumin Lower Limit (KDDRQMT_298).
9.3.3.6.4	RQMT_873	BR 14.37.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - Home	The System shall provide a mechanism to determine one part of the denominator for this Mineral Metabolism CPM by selecting those Home HD patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the Study Period AND Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the Study Period. During the Study Period, AND At least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317) OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Uncorrected Serum Calcium (KDDRQMT_319) AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) AND ~ Serum Albumin (KDDRQMT_296) AND ~ Serum Albumin Collection Date (KDDRQMT_297) AND ~ Serum Albumin Lower Limit (KDDRQMT_298).
9.3.3.6.5	RQMT_874	BR 14.37.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Denominator - PD	The System shall provide a mechanism to determine one part of the denominator for this Mineral Metabolism CPM by selecting those PD patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CCPD' or 'CAPD' on the last day of the Study Period. During the Study Period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				At least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317) OR ~ Uncorrected Serum Calcium (KDDRQMT_319) AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320) AND ~ Serum Albumin (KDDRQMT_296) AND ~ Serum Albumin Collection Date (KDDRQMT_297) AND ~ Serum Albumin Lower Limit (KDDRQMT_298).
9.3.3.6.6	RQMT_654	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - Home HD	The System shall determine the numerator for this Mineral Metabolism CPM by counting those Home HD patients identified in the denominator WHEN ~ The patient's last recorded appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.
9.3.3.6.7	RQMT_875	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - In-	The System shall determine the numerator for this Mineral Metabolism CPM by counting those In-Center HD patients identified in the denominator WHEN

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Center HD	~ The patient's last recorded appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.
9.3.3.6.8	RQMT_876	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Numerator - PD	The System shall determine the numerator for this Mineral Metabolism CPM by counting those PD patients identified in the denominator WHEN ~ The patient's last recorded appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.
9.3.3.6.9	RQMT_877	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Calcium Calculation- In-Center HD, Home HD, and PD (Global Calculation when Corrected Serum Ca is blank)	In the event an In-Center HD, Home HD, or PD patient's Corrected Serum Calcium(KDDRQMT_317) does not have a value for a given month, use the patient's appropriately adjusted Uncorrected Serum Calcium (KDDRQMT_319) value in the calculation of the mean of all the patient's serum calcium concentrations for the given month when: ~ A patient's Serum Albumin (KDDRQMT_296) is less than the patient's Serum Albumin Lower Limit (KDDRQMT_298), AND ~ Appropriately Adjusted Serum Calcium = Uncorrected Serum Calcium (KDDRQMT_319) PLUS 0.8 TIMES (4 MINUS Serum Albumin (KDDRQMT_296), ELSE ~ Appropriately Adjusted Serum Calcium = [Uncorrected Serum Calcium] (KDDRQMT_319)
9.3.3.7	RQMT_570	BR 14.19	CPM IIa: Assessment of Iron Stores (HD &	The System shall provide a mechanism to calculate this CPM measure, store in the database,

#	Rqmt ID	Old BR ID	BR Title	Requirement
			PD Combined):	however it does not display on any of the ESRD Clinical Performance Measures Summary Reports. The measure description is: Percentage of adult (>= 18 years old) HD and PD patients prescribed an ESA any time during the reporting period or who have a Hemoglobin <11.0 g/dL for at least one of month of the reporting period for whom serum ferritin concentration AND either percent transferrin saturation or reticulocyte Hemoglobin content (CHr) are measured at least once in a three- month period. (Facility Level)
9.3.3.7.1	RQMT_638		CPM IIa: Assessment of Iron Stores (HD & PD Combined): Patient Population	The System shall provide a mechanism to determine three patient populations for CPM IIa: Assessment of Iron Stores (HD & PD Combined) measure creating three groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.7.2	RQMT_703		CPM IIa: Assessment of Iron Stores (HD & PD Combined): Study Period	The System shall provide a mechanism to determine the 3 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD ~ PD
9.3.3.7.3	RQMT_352	BR 14.19.2	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Denominator - In-Center	The System shall determine one part of the denominator for CPM IIa: Assessment of Iron Stores (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND Primary Dialysis Setting (KDDRQMT_366) is 'Dialysis Facility/Center' on the last day of the study period, AND in ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ESA Prescribed (KDDRQMT_305) is 'Yes'.
9.3.3.7.4	RQMT_811	BR 14.19.2	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Denominator - Home	The System shall determine one part of the denominator for CPM IIa: Assessment of Iron Stores (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Primary Dialysis Setting (KDDRQMT_366) is 'Home' on the last day of the study period, AND ~ in ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.3.7.5	RQMT_808	BR 14.19.2	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Denominator - PD	The System shall determine one part of the denominator for CPM IIa: Assessment of Iron Stores (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'CAPD' or 'CCPD' on the last day of the study period, AND ~ in ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.3.7.6	RQMT_353	BR 14.19.3	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine one part of the numerator for CPM IIa: Assessment of Iron Stores (HD & PD Combined) Anemia Management CPM by counting those patients included in the denominator whose Primary

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Dialysis Setting (KDDRQMT_366) is 'Dialysis Facility/Center' when at least once during the 3 Month study period: ~ the patient's Serum Ferritin Collection Date(KDDRQMT_308) is populated, AND ~ Serum Ferritin (KDDRQMT_307) is populated, OR ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated
9.3.3.7.7	RQMT_809	BR 14.19.3	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine one part of the numerator for the Anemia Management of the CPM IIa: Assessment of Iron Stores (HD & PD Combined) by counting patients included in the denominator whose primary dialysis setting (KDDRQMT_366) is 'Home' and at least once during the 3 Month study period and: ~ The patient's Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND ~ Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated
9.3.3.7.8	RQMT_810	BR 14.19.3	CPM IIa: Assessment of Iron Stores (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine one part of the numerator for CPM IIa: Assessment of Iron Stores (HD & PD Combined) Anemia Management CPM by counting PD patients included in the denominator when at least once during the 3 Month study period, the patient's Serum Ferritin Collection Date (KDDRQMT_308) is populated and ~ Serum Ferritin (KDDRQMT_307) is populated AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated
9.3.3.8	RQMT_573	BR 14.22	CPM IIb: Maintenance of Iron Stores (HD & PD Combined):	The System shall provide a mechanism to calculate this CPM measure and store that data in the database. Currently the data does not display on any of the CPM reports. The measure description is: CPM IIb: Maintenance of Iron Stores: Percentage of adult (>= 18

#	Rqmt ID	Old BR ID	BR Title	Requirement
				years old) HD & PD patients prescribed an ESA any time during the reporting period or whose last monthly Hgb is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin greater than or equal to 200ng/mL and either TSAT greater than or equal to 20% or CHr greater than or equal to 29 pg during the reporting period.
9.3.3.8.1	RQMT_360	BR 14.22.1	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Patient Population	The System shall provide a mechanism to include three patient populations in this measure, creating three groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home PD Component ~ PD Component
9.3.3.8.2	RQMT_814	BR 14.22.1	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Study Period	The System shall provide a mechanism create the following 3 month study periods: ~ In-Center HD ~ Home PD ~ PD
9.3.3.8.3	RQMT_817	BR 14.22.2	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Denominator In-Center	The System shall provide a mechanism to determine one part of the denominator for the CPM IIb: Maintenance of Iron Stores (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following In-Center HD patient selected criteria: ~ Patient has an Admit (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Primary Type of Treatment (KDDRQMT_367) = "Hemodialysis' on the last day of the study period, AND ~ in ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.3.8.4	RQMT_818	BR 14.22.2	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Denominator Home	The System shall provide a mechanism to determine one part of the denominator for the CPM IIb: Maintenance of Iron Stores (HD & PD Combined) Anemia Management CPM by selecting those patients for the study period based on the following Home HD patient selected criteria: ~ Patient has an Admit (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = "Hemodialysis' on the last day of the study period, AND ~ In ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ~ ESA Prescribed? (KDDRQMT_305) is 'Yes'
9.3.3.8.5	RQMT_361	BR 14.22.2	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Denominator PD	The System shall provide a mechanism to determine one part of the denominator for the CPM IIb: Maintenance of Iron Stores (HD & PD Combined)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period, AND in ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ~ ESA Prescribed? (KDDRQMT_305) is 'Yes'
9.3.3.8.6	RQMT_362	BR 14.22.3	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Numerator - In-Center	The System shall provide a mechanism to determine one part of the numerator for the CPM IIb: Maintenance of Iron Stores (HD & PD Combined) Anemia Management CPM by counting patients included in the denominator whose Primary Dialysis Setting (KDDRQMT_366) is Dialysis Facility/Center when Primary Type of Treatment (KDDRQMT_367) equal Hemodialysis, For at least once in the 3-month reporting period IF: ~ Serum Ferritin (KDDRQMT_307) is greater than or equal to 200 ng/ml, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is greater than or equal to 20%, OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is greater than or equal to 29 pg.
9.3.3.8.7	RQMT_815	BR 14.22.3	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine one part of the numerator for the CPM IIb: Maintenance of Iron Stores (HD & PD Combined) Anemia Management CPM by counting patients included in the denominator whose Primary Dialysis Setting (KDDRQMT_366) is Home when Primary Type of Treatment (KDDRQMT_367) is Hemodialysis for at least once in the 3-month reporting period, AND ~ Serum Ferritin (KDDRQMT_307) is greater than or equal to 200 ng/ml, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is greater than or equal to 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is greater than or equal to 29 pg.
9.3.3.8.8	RQMT_816	BR 14.22.3	CPM IIb: Maintenance of Iron Stores (HD & PD Combined): Numerator -PD	The System shall provide a mechanism to determine one part of the numerator for this Anemia Management CPM by counting patients included in the denominator when the primary type of treatment (KDDRQMT_367) is CCPD or CAPD for at least once in the 3-month reporting period, AND ~ Serum Ferritin (KDDRQMT_307) is greater than or equal to 200 ng/ml, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is greater than or equal to 20%,

#	Rqmt ID	Old BR ID	BR Title	Requirement
				OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is greater than or equal to 29 pg.
9.3.3.9	RQMT_370	BR 14.25.1	CPM III: Administration of Supplemental Iron (HD & PD Combined):	The System shall provide a mechanism to calculate the CPM III: Administration of Supplemental Iron (HD & PD Combined)CPM measure and store the data in the database, but it does not display on any of the CPM reports. The measure description is: CPM III: Administration of Supplemental Iron (HD & PD Combined): Percentage of adult (>= 18 years old) HD & PD patients prescribed an ESA any time during the reporting period or whose last monthly hemoglobin is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin less than 200ng/mL or TSAT less than 20% or CHr less than 29 pg during the reporting period for whom IV Iron is prescribed at any time during the reporting period.
9.3.3.9.1	RQMT_576	BR 14.25	CPM III: Administration of Supplemental Iron (HD & PD Combined): - Patient Population	The System shall provide a mechanism to determine three patient populations are included in the CPM III: Administration of Supplemental Iron (HD & PD Combined) measure creating three groups for the denominator and numerator calculation: ~In-Center HD Component ~ Home HD Component ~ PD Component
9.3.3.9.2	RQMT_702	BR 14.25	CPM III: Administration of Supplemental Iron (HD & PD	The System shall provide a mechanism to determine the 3 month Study Period(s)based on the following criteria:

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Combined): Study Period	~ In-Center HD Component ~ Home HD Component ~ PD Component
9.3.3.9.3	RQMT_372	BR 14.25.3	CPM III: Administration of Supplemental Iron (HD & PD Combined): Denominator - In-Center	The System shall provide a mechanism to determine the denominator based on one part of the denominator for the CPM III: Administration of Supplemental Iron (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date(KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting is 'Dialysis Facility/Center' (KDDRQMT_366) on the last day of the study period, AND In ANY month of the 3 Month study period ~ The patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is Yes, AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL , OR ~ Iron Saturation (TSAT) Percentage ((KDDRQMT_309) is less than 20% , OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is less than 29
9.3.3.9.4	RQMT_824	BR 14.25.3	CPM III: Administration of Supplemental Iron (HD & PD	The System shall provide a mechanism to determine the denominator based on one part of the denominator for the CPM

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Combined): Denominator - Home	III: Administration of Supplemental Iron (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date(KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting is 'Home'(KDDRQMT_366) on the last day of the study period, AND in ANY month of the 3 Month study period, ~ EITHER the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is Yes, AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL, OR ~ Iron Saturation (TSAT) Percentage ((KDDRQMT_309) is less than 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is less than 29
9.3.3.9.5	RQMT_825	BR 14.25.3	CPM III: Administration of Supplemental Iron	The System shall provide a mechanism to determine the denominator based on one part

#	Rqmt ID	Old BR ID	BR Title	Requirement
			(HD & PD Combined): Denominator - PD	of the denominator for the CPM III: Administration of Supplemental Iron (HD & PD Combined) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date(KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'CCPD' or 'CAPD' on the last day of the study period, AND in ANY month of the 3 Month study period ~ EITHER the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is Yes, AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL, OR ~ Iron Saturation (TSAT) Percentage ((KDDRQMT_309) is less than 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is less than 29 pg."
9.3.3.9.6	RQMT_373	BR 14.25.4	CPM III: Administration of Supplemental Iron (HD & PD Combined):	The System shall provide a mechanism to determine one part of the numerator for the CPM III: Administration of Supplemental Iron (HD & PD

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Numerator - In-Center	Combined) Anemia Management CPM by counting those patients included in the denominator whose [Primary Dialysis Setting] (KDDRQMT_366) is Dialysis Facility/Center when patient's ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period."
9.3.3.9.7	RQMT_826	BR 14.25.4	CPM III: Administration of Supplemental Iron (HD & PD Combined): Numerator - Home	The System shall provide a mechanism to determine one part of the numerator for the CPM III: Administration of Supplemental Iron (HD & PD Combined) Anemia Management CPM by counting those patients included in the denominator whose [Primary Dialysis Setting] (KDDRQMT_366) is Home when patient's ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period."
9.3.3.9.8	RQMT_827	BR 14.25.4	CPM III: Administration of Supplemental Iron (HD & PD Combined): Numerator - PD	The System shall provide a mechanism to determine one part of the numerator for the CPM III: Administration of Supplemental Iron (HD & PD Combined) Anemia Management CPM by counting patients included in the denominator whose Primary Treatment Type (KDDRQMT_367) is CCPD or CAPD when patient's ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period

9.3.4 Hemo Summary

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.4.1	RQMT_556	BR 14.5	CPM I: Monthly Measurement of Delivered HD	The System shall provide a mechanism to display the following information as a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Dose - Heading and Description	heading and description in the Adequacy - Hemodialysis - (HD) section of the ESRD Clinical Performance Measures Summary (HD): CPM I: Monthly Measurement of Delivered HD Dose: Percentage of all adult (>= 18 years old) HD patients in the sample for analyses with documented monthly adequacy measurement (spKt/V) or its components in the calendar month.
9.3.4.1.1	RQMT_305	BR 14.5.1	CPM I: Monthly Measurement of Delivered HD Dose - Population Component	The System shall provide a mechanism to determine two patient populations for the CPM I: Monthly Measurement of Delivered HD Dose measure creating two groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.1.2	RQMT_307	BR 14.5.3	CPM I: Monthly Measurement of Delivered HD Dose - Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.1.3	RQMT_306	BR 14.5.2	CPM I: Monthly Measurement of Delivered HD Dose - Denominator	The System shall provide a mechanism to determine the denominator by using one of the groupings below: Denominator Grouping One: Patients meeting denominator grouping will meet the following criteria: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not

#	Rqmt ID	Old BR ID	BR Title	Requirement
				discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than or equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_809) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period" Denominator Grouping One: Patients meeting denominator grouping will meet the following criteria: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_809) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period. The two denominator groupings are based on the patient's most recent dialysis setting In-center or Home. The Denominator Component determines the number of patients treated by the selected facility as HD patients for the entire one month study period, whose most recent

#	Rqmt ID	Old BR ID	BR Title	Requirement
				dialysis setting is either In-Center or Home.
9.3.4.1.4	RQMT_699	BR 14.5.3	CPM I: Monthly Measurement of Delivered HD Dose - Numerator	The System shall provide a mechanism to determine the numerator by counting the patients in the denominator that meet one of the following numerator grouping criteria in the one month study period: Numerator Component one - Primary Dialysis Setting = In-Center (KDDRQMT_366) when: ~ Kt/V Hemodialysis Collection Date (KDDRQMT_322) is populated, AND ~ Kt/V Hemodialysis (KDDRQMT_321) is populated, OR ~ Kt/V Hemodialysis Collection Date (KDDRQMT_322)is populated, AND ~ BUN Pre-Dialysis (KDDRQMT_330) is populated, AND ~ BUN Post-Dialysis (KDDRQMT_331) is populated, AND ~ Patient Height (KDDRQMT_338) is populated AND ~ Patient Height Unit of Measure (KDDRQMT_339) is populated, AND ~ Pre-Dialysis Weight (KDDRQMT_332) is populated, AND ~ Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) is populated, AND ~ Post-Dialysis Weight (KDDRQMT_334) is populated, AND ~ Post-Dialysis Weight Unit of Measure (KDDRQMT_335) is populated, AND ~ Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) is populated Numerator Component two - Primary Dialysis Setting = Home (KDDRQMT_366) when: ~ Kt/V Hemodialysis Collection Date (KDDRQMT_322) is

#	Rqmt ID	Old BR ID	BR Title	Requirement
				populated , AND ~ Kt/V Hemodialysis (KDDRQMT_321) is populated, OR ~ Kt/V Hemodialysis Collection Date (KDDRQMT_322)is populated, AND ~ BUN Pre-Dialysis (KDDRQMT_330) is populated, AND ~ BUN Post-Dialysis (KDDRQMT_331) is populated, AND ~ Patient Height (KDDRQMT_338) is populated, AND ~ Patient Height Unit of Measure (KDDRQMT_339) is populated, AND ~ Pre-Dialysis Weight (KDDRQMT_332) is populated, AND ~ Pre-Dialysis Weight Unit of Measure (KDDRQMT_333) is populated , AND ~ Post-Dialysis Weight (KDDRQMT_334) is populated, AND ~ Post-Dialysis Weight Unit of Measure (KDDRQMT_335) is populated , AND ~ Delivered Minutes of BUN Hemodialysis Session (KDDRQMT_337) is populated
9.3.4.2	RQMT_557	BR 14.6	CPM II: Method of Measurement of Delivered HD - Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Adequacy - Hemodialysis - (HD) section of the ESRD Clinical Performance Measures Summary(HD): CPM II: Method of Measurement of Delivered HD Dose: Percentage of all adult (>= 18 years old) in-center HD patients in the sample for analyses for whom delivered HD dose was calculated using urea kinetic modeling (UKM) or Daugirdas II during the reporting period and for whom the frequency of HD per

#	Rqmt ID	Old BR ID	BR Title	Requirement
				week is specified.
9.3.4.2.1	RQMT_694		CPM II: Method of Measurement of Delivered Hemodialysis Dose Patient Population: HD	The System shall provide a mechanism to determine one patient population for this measure creating one denominator and numerator component: ~ In-Center HD
9.3.4.2.2	RQMT_308	BR 14.6.1	CPM II: Method of Measurement of Delivered Hemodialysis Dose - Study Period	The System shall provide a mechanism to determine the 1 month Study Period based on the following criteria: ~ In-Center HD
9.3.4.2.3	RQMT_309	BR 14.6.2	CPM II: Method of Measurement of Delivered Hemodialysis Dose - Denominator	The System shall provide a mechanism to determine the denominator by counting patients meeting denominator component criteria for the one month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = HD, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Facility/Center' for the entire study period.
9.3.4.2.4	RQMT_310	BR 14.6.3	CPM II: Method of Measurement of Delivered Hemodialysis Dose - Numerator	The System shall provide a mechanism to determine the numerator by counting the patients in the denominator that meet the following numerator component criteria: ~ Kt/V Hemodialysis Method (KDDRQMT_323) is 'Daugirdas II' OR 'UKM', AND ~ Sessions per Week(KDDRQMT_368) is populated
9.3.4.3	RQMT_558	BR 14.7	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater: Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Adequacy - Hemodialysis - (HD) section of the ESRD Clinical Performance Measures Summary(HD): CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater: Percentage of adult (>= 18 years old) patients in the sample for analysis who have been on HD for 6 months or more and dialyzing thrice weekly whose delivered dose of HD (calculated from the last measurements of the month using UKM or Daugirdas II formula) was a spKt/V >= 1.2 during the reporting period.
9.3.4.3.1	RQMT_329	BR 14.13.1	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater -	The System shall provide a mechanism to determine two patient populations are included in this measure creating two groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Patient Population	
9.3.4.3.2	RQMT_311	BR 14.7.1	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater - Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.3.3	RQMT_312	BR 14.7.2	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater - Denominator - In-Center	The System shall provide a mechanism to determine the denominator by selecting and counting patients meeting denominator grouping criteria where: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged) , OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period , AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior, OR ~ Equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDTQMT_133) is prior to (Study Period Beginning Date MINUS 6 months), AND ~ Sessions per Week (KDDRQMT_368) = '3'."

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.4.3.4	RQMT_893	BR 14.7.2	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater - Denominator - Home	The System shall provide a mechanism to determine the denominator by selecting and counting patients meeting denominator component criteria where: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior, OR ~ equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDTQMT_133) is prior to (Study Period Beginning Date MINUS 6 months), AND ~ Sessions per Week (KDDRQMT_368) = '3'.
9.3.4.3.5	RQMT_892	BR 14.7.3	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic	The System shall provide a mechanism to count In-Center HD patients in the denominator that meet the following numerator component criteria in the 1 month study period where:

#	Rqmt ID	Old BR ID	BR Title	Requirement
			treatment for a period of 6 months or greater - Numerator - In-Center	~ Kt/V Hemodialysis Method (KDDRQMT_323) is 'Daugirdas II' OR 'UKM', AND ~ Kt/V Hemodialysis (KDDRQMT_321) >= 1.2"
9.3.4.3.6	RQMT_313	BR 14.7.3	CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater - Numerator - Home	The System shall provide a mechanism to count Home HD patients in the denominator that meet the following numerator component criteria in the 1 month study period: ~ Kt/V Hemodialysis Method (KDDRQMT_323) is 'Daugirdas II' OR 'UKM', AND ~ Kt/V Hemodialysis (KDDRQMT_321) >= 1.2
9.3.4.4	RQMT_568	BR 14.17	CPM Ia: Hemoglobin Control for ESA Therapy - Heading and Description HD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - HD section of the ESRD Clinical Performance Measures Summary (HD): CPM Ia: Hemoglobin Control for ESA Therapy: Adult (>= 18 years old) HD patients, with ESRD >= 3 months, who have received ESA therapy at any time during the 3 month reporting period AND have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)
9.3.4.4.1	RQMT_342	BR 14.17.1	CPM Ia: Hemoglobin Control for ESA Therapy - Patient Population - HD	The System shall provide a mechanism to determine two patient population groupings for this measure: ~ In-Center HD Component ~ Home HD Component creating two components for the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				denominator and numerator calculation.
9.3.4.4.2	RQMT_345	BR 14.17.4	CPM Ia: Hemoglobin Control for ESA Therapy - Study Period - HD	The System shall provide a mechanism to determine the 3 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.4.3	RQMT_344	BR 14.17.3	CPM Ia: Hemoglobin Control for ESA Therapy - Denominator - In-Center HD	The System shall determine one part of the denominator for this measurement by selecting those HD In-Center patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366)= 'Dialysis Facility/Center' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, AND ~ ESA Prescribed? (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Study Period."
9.3.4.4.4	RQMT_784	BR 14.17.3	CPM Ia: Hemoglobin Control for ESA Therapy - Denominator - Home	The System shall determine one part of the denominator for this measurement by selecting those Home HD patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366)= 'Home' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, AND ~ ESA Prescribed? (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the Study Period."
9.3.4.4.5	RQMT_786	BR 14.17.4	CPM Ia: Hemoglobin Control for ESA Therapy - Numerator - In-Center	The System shall provide a mechanism to determine the numerator for this measurement by counting the In-Center HD patients identified in denominator when the mean of the patient's last recorded Hemoglobin

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_303) values for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.4.4.6	RQMT_685	BR 14.17.4	CPM Ia: Hemoglobin Control for ESA Therapy - Numerator - Home HD	The System shall provide a mechanism to determine the numerator for this measurement by counting the Home HD patients identified in denominator when the mean of the patient's last recorded Hemoglobin (KDDRQMT_303) values for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.4.5	RQMT_806	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum: Heading and Description HD	The System shall provide a mechanism to display the following CPM heading and corresponding description on the ESRD Clinical Performance Measures Summary Report (HD): CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum: Percentage of adult (>= 18 years old) HD patients, with ESRD >= 3 months, who have a mean hemoglobin <10.0 g/dL for a 3 month reporting period, irrespective of ESA usage. The hemoglobin value reported for the end of each reporting month (end-of-month hemoglobin) is used for the calculation.
9.3.4.5.1	RQMT_798	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum - Patient Population HD	The System shall provide a mechanism to determine the 2 numerator and denominator components for this measure: ~ In-Center HD Component ~ Home HD Component
9.3.4.5.2	RQMT_796	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum - Study Period: HD	The System shall provide a mechanism to determine the 3 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.5.3	RQMT_802	BR 14.32.1	CPM Ib: Monitoring	The System shall provide a mechanism to determine the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Hemoglobin Levels Below Target Minimum - Denominator - Home HD	denominator for this Anemia Management CPM by selecting those patients for the study period based on all of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361)that is blank or greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303)is populated for at least 2 of the 3 months of the study period
9.3.4.5.4	RQMT_803	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum - Denominator - In-Center HD	The System shall provide a mechanism to determine the denominator for this Anemia Management CPM by selecting those patients for the study period based on all of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361)that is blank or

#	Rqmt ID	Old BR ID	BR Title	Requirement
				greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303)is populated for at least 2 of the 3 months of the study period
9.3.4.5.5	RQMT_801	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum: - Numerator - Home HD	The System shall provide a mechanism to determine the numerator for this Anemia Management CPM by counting the patients identified in the Home HD denominator when the mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.
9.3.4.5.6	RQMT_807	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum: - Numerator - In-Center HD	The System shall provide a mechanism to determine the numerator for this Anemia Management CPM by counting the patients identified in the In-Center HD denominator when the mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.
9.3.4.6	RQMT_351	BR 14.19.1	CPM IIa: Assessment of Iron Stores: Heading and Description HD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM IIa: Assessment of Iron Stores: Percentage of adult (>=

#	Rqmt ID	Old BR ID	BR Title	Requirement
				18 years old) HD patients prescribed an ESA any time during the reporting period who have a Hemoglobin <11.0 g/dL for at least one of month of the reporting period for whom serum ferritin concentration AND either percent transferrin saturation or reticulocyte Hemoglobin content (CHr) are measured at least once in a three-month period for in-center and home HD patients.
9.3.4.6.1	RQMT_354	BR 14.20.1	CPM IIa: Assessment of Iron Stores: - Patient Population: HD	The System shall provide a mechanism to determine the two patient populations for this measure creating two components for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component
9.3.4.6.2	RQMT_675	BR 14.19.1	CPM IIa: Assessment of Iron Stores: - Study Period: HD	The System shall provide a mechanism to determine the 3 month Study Period(s)based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.6.3	RQMT_677	BR 14.19.1	CPM IIa: Assessment of Iron Stores: Denominator - In-Center	The System shall provide a mechanism to calculate one part of the denominator for this Anemia Management CPM by selecting patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis'

#	Rqmt ID	Old BR ID	BR Title	Requirement
				on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) is 'Dialysis Facility/Center' on the last day of the study period, AND ~ In ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.4.6.4	RQMT_812	BR 14.19.1	CPM IIa: Assessment of Iron Stores: Denominator - Home	The System shall provide a mechanism to calculate one part of the denominator for this Anemia Management CPM by selecting patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) is 'Home' on the last day of the study period, AND ~ In ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.4.6.5	RQMT_676	BR	CPM IIa:	The System shall provide a

#	Rqmt ID	Old BR ID	BR Title	Requirement
		14.19.1	Assessment of Iron Stores: Numerator - In-Center	mechanism to calculate one part of the numerator for this Anemia Management CPM by counting those patients in the denominator whose Primary Dialysis Setting (KDDRQMT_366) is 'Dialysis Facility/Center' when at least once during the 3 month study period, the patient's: ~ Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND ~ Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated.
9.3.4.6.6	RQMT_813	BR 14.19.1	CPM IIa: Assessment of Iron Stores: Numerator - Home HD	The System shall provide a mechanism to calculate one part of the numerator for the CPM IIa: Assessment of Iron Stores: Anemia Management CPM by counting patients in the denominator whose Primary Dialysis Setting (KDDRQMT_366) is 'Home' when at least once during the 3 month study period, the patient's: ~ Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated
9.3.4.7	RQMT_574	BR 14.23	CPM IIb: Maintenance of Iron Stores: Heading and Description HD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM IIb: Maintenance of Iron Stores: Percentage of adult (>= 18 years old) HD patients prescribed an ESA any time during the reporting period or whose last monthly Hgb is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin greater than or equal to 200ng/mL and either TSAT greater than or equal to 20% or CHr greater than or equal to 29 pg during the reporting period.
9.3.4.7.1	RQMT_363	BR 14.23.1	CPM IIb: Maintenance of Iron Stores - Patient Population HD	The System shall provide a mechanism to determine the two patient populations for this measure creating two components for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.4.7.2	RQMT_364	BR 14.23.1	CPM IIb: Maintenance of Iron Stores - Study Period HD	The System shall provide a mechanism to determine the 3 month Study Period(s)based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.7.3	RQMT_365	BR 14.23.2	CPM IIb: Maintenance of Iron Stores Denominator - In-Center HD	The System shall provide a mechanism to determine one part of the denominator for this Anemia Management CPM by selecting those In-Center HD patients based the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ In ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.4.7.4	RQMT_820	BR 14.23.3	CPM IIb: Maintenance of Iron Stores Denominator - Home HD	The System shall provide a mechanism to determine one part of the denominator for this Anemia Management CPM by selecting those Home HD patients based on the following patient selection criteria: ~ Patient has an Admit Date

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period, AND ~ In ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.4.7.5	RQMT_366	BR 14.23.3	CPM IIb: Maintenance of Iron Stores Numerator - In-Center HD	The System shall determine the numerator for the Anemia Management CPM by counting patients included in the denominator whose Primary Dialysis Setting (KDDRQMT_366) is 'Dialysis Facility/Center' when at least once during the 3 month study period, the patient's: ~ Serum Ferritin (KDDRQMT_307) is greater than or equal to 200 ng/mL, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is greater than or equal to 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is greater than or equal to 29pg.
9.3.4.7.6	RQMT_819	BR 14.23.3	CPM IIb: Maintenance of Iron Stores Numerator - Home HD	The System shall determine the numerator for the Anemia Management CPM by counting those patients included in the denominator whose Primary

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Dialysis Setting (KDDRQMT_366) is Home when at least once during the 3 month study period, the patient's: ~ Serum Ferritin (KDDRQMT_307) is greater than or equal to 200 ng/mL, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is greater than or equal to 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is greater than or equal to 29pg.
9.3.4.8	RQMT_376	BR 14.26.3	CPM III: Administration of Supplemental Iron: Heading and Description HD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM III: Administration of Supplemental Iron: Percentage of adult (>= 18 years old) HD patients prescribed an ESA any time during the reporting period or whose last monthly hemoglobin is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin less than 200ng/mL or TSAT less than 20% or CHr less than 29 pg during the reporting period for whom IV Iron is prescribed at any time during the reporting period.
9.3.4.8.1	RQMT_377	BR 14.26.4	CPM III: Administration of Supplemental Iron - Patient Population HD	Patient Population: Two patient populations are included in this measure creating two groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component
9.3.4.8.2	RQMT_374	BR 14.26.1	CPM III: Administration	The System shall provide a mechanism to determine the 3

#	Rqmt ID	Old BR ID	BR Title	Requirement
			of Supplemental Iron - Study Period HD	month Study Period(s)based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.8.3	RQMT_834	BR 14.26	CPM III: Administration of Supplemental Iron - Denominator In-Center	The System shall provide a mechanism to determine the denominator for the CPM III: Administration of Supplemental Iron Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting is 'Dialysis Facility/Center'(KDDRQMT_366) on the last day of the study period, AND In ANY month of the 3 Month study period when: ~ The patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes', AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL, OR ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is

#	Rqmt ID	Old BR ID	BR Title	Requirement
				less than 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is less than 29
9.3.4.8.4	RQMT_683	BR 14.26	CPM III: Administration of Supplemental Iron - Denominator Home	The System shall provide a mechanism to determine the denominator for the CPM III: Administration of Supplemental Iron Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting is 'Home'(KDDRQMT_366) on the last day of the study period, AND In ANY month of the 3 Month study period when: ~ The patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes', AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL, OR ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is less than 20%, OR ~ Reticulocyte Hemoglobin (CHr)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_311) is less than 29
9.3.4.8.5	RQMT_577	BR 14.26	CPM III: Administration of Supplemental Iron - Numerator - Home	The System shall provide a mechanism to determine one part of the numerator for the CPM III: Administration of Supplemental Iron Anemia Management CPM by counting patients included in the denominator whose [Primary Dialysis Setting] (KDDRQMT_366) is 'Home' when patient's: ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period
9.3.4.8.6	RQMT_835	BR 14.26	CPM III: Administration of Supplemental Iron - Numerator - In-Center	The System shall provide a mechanism to determine one part of the numerator for the CPM III: Administration of Supplemental Iron Anemia Management CPM by counting patients included in the denominator whose [Primary Dialysis Setting] (KDDRQMT_366) is 'Dialysis Facility/Center' when patient's: ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period
9.3.4.8.7	RQMT_571	BR 14.20	Assessment of Iron Stores (Anemia Management CPM IIa) - Hemodialysis	Assessment of Iron Stores (Anemia Management CPM IIa) - Hemodialysis
9.3.4.8.7.1	RQMT_674	BR 14.19.1	CPM IIa: Assessment of Iron Stores – Patient Population HD	The System shall provide a mechanism to determine two patient populations for this measure: ~In-Center HD ~Home HD creating two components for the denominator and numerator calculation.
9.3.4.8.7.2	RQMT_356	BR 14.20.3	CPM IIa: Assessment of Iron Stores	The System shall provide a mechanism to determine the Study Period(s) based on the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Hemodialysis Study Period HD	following criteria: ~ 3 months for the In-Center HD component ~ 3 months for the Home HD component
9.3.4.8.7.3	RQMT_684	BR 14.20.3	Assessment of Iron Stores (Anemia Management CPM IIa) – Hemodialysis Numerator	The System shall provide a mechanism to determine one part of the numerator for the Assessment of Iron Stores (Anemia Management CPM IIa) Anemia Management CPM by counting patients included in the denominator whose [Primary Dialysis Setting] is 'Dialysis Facility/Center' (BR11.3 ID 221) when at least once during the 3 Month study period the patient's: ~ Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND ~Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated, AND PART II of Numerator for the other part of the numerator for the Assessment of Iron Stores (Anemia Management CPM IIa) Anemia Management CPM by counting those patients included in the denominator whose Primary Dialysis Setting is 'Home'

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_547) when at least once during the 3 Month study period, the patient's: ~ Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND ~ Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr)] (KDDRQMT_311) is populated
9.3.4.8.7.4	RQMT_355	BR 14.20.2	CPM IIa: Assessment of Iron Stores Denominator Home HD	The System shall provide a mechanism to determine one part of the denominator for the Assessment of Iron Stores (Anemia Management CPM IIa) Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_510) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study

#	Rqmt ID	Old BR ID	BR Title	Requirement
				period, AND ~ Primary Dialysis Setting is 'Home'(KDDRQMT_547) on the last day of the study period, AND In ANY month of the 3 Month study period, the patient's: ~ Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is Yes, AND PART II of the denominator for this Anemia Management CPM by selecting those patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_510) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting is 'Home' (KDDRQMT_547) on the last day of the study period, AND In ANY month of the 3 Month study period the patient's: ~ Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.4.9	RQMT_580	BR 14.29	CPM I: Measurement	The System shall provide a mechanism to display the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			of Serum Phosphorus: Heading and Description HD	following information as a heading and description in the Mineral Metabolism - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM I: Measurement of Serum Phosphorus: Percentage of adult (>= 18 years old) HD patients included in the sample for analysis with serum phosphorous measured at least once within the month.
9.3.4.9.1	RQMT_386	BR 14.29.3	CPM I: Measurement of Serum Phosphorus - Patient Population HD	The System shall provide a mechanism to determine two patient populations for the CPM I: Measurement of Serum Phosphorus measure creating two components for the denominator and numerator calculation: ~ In-Center HD Components ~ Home HD Components
9.3.4.9.2	RQMT_384	BR 14.29.1	CPM I: Measurement of Serum Phosphorus - Hemodialysis - Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.9.3	RQMT_847	BR 14.29.2	CPM I: Measurement of Serum Phosphorus Denominator - In-Center	The System shall provide a mechanism to determine the denominator for the CPM I: Measurement of Serum Phosphorus Mineral Metabolism CPM by selecting patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period
9.3.4.9.4	RQMT_385	BR 14.29.2	CPM I: Measurement of Serum Phosphorus Denominator - Home	The System shall provide a mechanism to determine the denominator for the CPM I: Measurement of Serum Phosphorus Denominator Mineral Metabolism CPM by selecting patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.4.9.5	RQMT_848	BR 14.28.3	CPM I: Measurement of Serum Phosphorus Numerator - In-Center	The System shall provide a mechanism to determine the numerator for the CPM I: Measurement of Serum Phosphorus Denominator Mineral Metabolism CPM by counting a In-Center HD patient identified in denominator when each month of the specified study period Serum Phosphorus (KDDRQMT_315) is populated.
9.3.4.9.6	RQMT_849	BR 14.28.3	CPM I: Measurement of Serum Phosphorus	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Numerator - Home	Home HD patient identified in denominator when each month of the specified study period Serum Phosphorus(KDDRQMT_315) is populated.
9.3.4.10	RQMT_678	BR 14.38.1	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Heading and Description HD	The System shall provide a mechanism to display the following information as a heading and description in the Mineral Metabolism - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Percentage of adult (>= 18 years old) HD patients with mean calcium between 8.4 and 10.2 mg/dL.
9.3.4.10.1	RQMT_411	BR 14.38.1	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Patient Population: HD	The System shall provide a mechanism to determine two patient populations for this measure creating two groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.10.2	RQMT_590	BR 14.38	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Study Period: HD	The System shall provide a mechanism to determine the 1 month Study Period based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.10.3	RQMT_412	BR 14.38.2	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Denominator In-Center: HD	The System shall provide a mechanism to determine the numerator for the CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Denominator Mineral Metabolism CPM by counting a In-Center HD patient identified in the denominator when during the one month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.4.10.4	RQMT_878	BR 14.38.2	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Denominator Home: HD	The System shall provide a mechanism to determine the numerator for the CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Denominator Mineral Metabolism CPM by counting a Home HD patient identified in denominator when during the 1 month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.4.10.5	RQMT_413	BR 14.38.3	CPM IV: Evaluation of Appropriately	The System shall determine the numerator for this Mineral Metabolism CPM by counting In-

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Adjusted Serum Calcium Numerator In-Center: HD	Center HD patients identified in the denominator when the mean of patient's appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.
9.3.4.10.6	RQMT_880	BR 14.38.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Numerator: Home HD	The System shall determine the numerator for the CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Numerator Mineral Metabolism CPM by counting Home HD patients identified in the denominator when the mean of patient's appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.
9.3.4.11	RQMT_697		CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients: Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Vascular Access - HD section of the ESRD Clinical Performance Measures Summary (HD): CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients: Percentage of adult (>= 18 years old) HD patients using AVF with two needles during the last HD treatment of the reporting period end date.
9.3.4.11.1	RQMT_695		CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients - Patient Population	The System shall provide a mechanism to determine two patient populations for the CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Numerator measure creating two components for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.11.2	RQMT_696		CPM I:	The System shall provide a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients - Study Period	mechanism to determine the 1 month Study Period based on the following criteria: ~ In-Center ~ Home HD component
9.3.4.11.3	RQMT_698		CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients - Denominator - In-Center	The System shall provide a mechanism to select and count of In-Center HD patients meeting two denominator grouping criteria in the 1 month study period: Denominator Grouping 1: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period Denominator Grouping 2 ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_361) from the facility is Null OR blank (ie, not discharged),OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.4.11.4	RQMT_894		CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients - Denominator - Home	The System shall provide a mechanism to select and count Home HD patients meeting two denominator grouping criteria in the 1 month study period: Denominator Grouping 1: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) =

#	Rqmt ID	Old BR ID	BR Title	Requirement
				'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period Denominator Grouping 2: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.4.11.5	RQMT_895	BR 14.11	CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients - Numerator - In-Center	The System shall provide a mechanism to determine the numerator by counting the In-Center HD patients in the denominator that meet the following numerator grouping criteria in the 1 month study period: ~ Access Type for Dialysis (KDDRQMT_395) ='1' (AV Fistula (with 2 Needles).
9.3.4.11.6	RQMT_562	BR 14.11	CPM I: Maximizing Use of AV Fistula (AVF) in	The System shall provide a mechanism to determine the numerator by counting the Home HD patients in the denominator

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Maintenance Hemodialysis (HD) Patients - Numerator - Home	that meet the following numerator grouping criteria in the 1 month study period: ~ Access Type for Dialysis (KDDRQMT_395) ='1' (AV Fistula (with 2 Needles).
9.3.4.12	RQMT_563	BR 14.12	CPM II: Minimizing Use of Catheters as Chronic HD Access Header and Description	The System shall provide a mechanism to display the following information as a heading and description in the Vascular Access - HD section of the ESRD Clinical Performance Measures Summary (HD): CPM II: Minimizing Use of Catheters as Chronic HD Access: Percentage of adult (>= 18 years old) HD patients dialyzed continuously with a catheter greater than or equal to 90 days prior to the last HD treatment of the reporting period end date.
9.3.4.12.1	RQMT_331	BR 14.13.3	CPM II: Minimizing Use of Catheters as Chronic HD Access - Patient Population	The System shall provide a mechanism to determine two patient populations for this measure creating two groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.12.2	RQMT_330	BR 14.13.2	CPM II: Minimizing Use of Catheters as Chronic HD Access - Study Period	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center ~ Home HD
9.3.4.12.3	RQMT_693	BR 14.13.2	CPM II: Minimizing Use of Catheters as Chronic HD Access - Denominator - In-Center	The System shall provide a mechanism to determine the denominator for In-Center HD patients by selecting and counting patients meeting in the denominator component criteria in the 1 month study period based on the following criteria: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD' AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period
9.3.4.12.4	RQMT_766	BR 14.13.2	CPM II: Minimizing Use of Catheters as Chronic HD Access - Denominator - Home	The System shall provide a mechanism to determine the denominator for In-Center HD patients by selecting and counting patients meeting in the denominator grouping criteria in the 1 month study period based on the following criteria: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.4.12.5	RQMT_692	BR 14.13.2	CPM II: Minimizing Use of Catheters as Chronic HD Access - Numerator - In-Center	The System shall provide a mechanism to determine the numerator by counting In-Center HD patients denominator that meet the following numerator component criteria: ~ Access Type for Dialysis (KDDRQMT_395)= 6 (Catheter), AND ~ Date Access Type for Dialysis Changed (KDDRQMT_398) is null, OR ~ Date Access Type for Dialysis Changed ((KDDRQMT_398) is equal OR prior to the (last day of the Study Period MINUS 90 days)
9.3.4.12.6	RQMT_765	BR 14.13.2	CPM II: Minimizing Use of Catheters as Chronic HD Access - Numerator - Home	The System shall provide a mechanism to determine the numerator by counting patients in the Home HD denominator that meet the following numerator component criteria: ~ Access Type for Dialysis] (KDDRQMT_395)= 6 (Catheter), AND ~ Date Access Type for Dialysis Changed (KDDRQMT_398) is null, OR ~ Date Access Type for Dialysis Changed (KDDRQMT_398) is equal OR prior to the (last day of the Study Period MINUS 90 days)

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.4.13	RQMT_564	BR 14.13	CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Vascular Access - HD section of the ESRD Clinical Performance Measures Summary (HD): CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination: Percentage of adult (>= 18 years old) HD patients whose AVF or AVG is routinely monitored for dysfunction through physical examination.
9.3.4.13.1	RQMT_688	BR 14.13	CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination - Patient Population	The System shall provide a mechanism to determine the two patient populations are included in this measure creating two groupings for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.13.2	RQMT_689		CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination - Study Period	The System shall provide a mechanism to determine the 1 month Study Period based on the following criteria: ~ In-Center HD ~ Home HD
9.3.4.13.3	RQMT_691		CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination -	The System shall provide a mechanism to select and count patients meeting denominator component criteria in the 1 month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Denominator - In-Center	~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810)= 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_361) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Access Type for Dialysis(KDDRQMT_395)= '1' (AV Fistula with 2 needles), OR ~ Access Type for Dialysis(KDDRQMT_395)= 2 (AV Fistula combined with AV graft), OR ~ Access Type for Dialysis(KDDRQMT_395)= 3 (AV Fistula combined with Catheter), OR ~ Access Type for Dialysis(KDDRQMT_395)= 4 (AV Graft with 2 needles), OR ~ Access Type for Dialysis(KDDRQMT_395)= 5 (AV Graft combined with Catheter)
9.3.4.13.4	RQMT_767		CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through	The System shall provide a mechanism to select and count patients meeting denominator grouping criteria in the 1 month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Physical Examination - Denominator - Home	equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period, AND ~ Access Type for Dialysis (KDDRQMT_395) = 1 (AV Fistula with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 2 (AV Fistula combined with AV graft), OR ~ Access Type for Dialysis (KDDRQMT_395) = 3 (AV Fistula combined with Catheter), OR ~ Access Type for Dialysis (KDDRQMT_395) = 4 (AV Graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 5 (AV Graft combined with Catheter)
9.3.4.13.5	RQMT_690		CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access	The System shall provide a mechanism to count patients in the denominator for In-Center HD patients who meet the following numerator grouping criteria:

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Dysfunction through Physical Examination - Numerator - In-Center	~ Pre Pump Pressure (KDDRQMT_406) is 'Yes', AND ~ Pre Pump Pressure Frequency (KDDRQMT_407) = At Each Treatment
9.3.4.13.6	RQMT_770		CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination - Numerator - Home	The System shall provide a mechanism to count patients in the denominator for Home HD patients who meet the following numerator grouping criteria: ~ Pre Pump Pressure (KDDRQMT_406) is 'Yes', AND ~ Pre Pump Pressure Frequency (KDDRQMT_407) = At Each Treatment
9.3.4.14	RQMT_565	BR 14.14	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Vascular Access - HD section of the ESRD Clinical Performance Measures Summary (HD): CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure: Percentage of adult (>= 18 years old) HD patients whose AVF or AVG is routinely monitored for dysfunction through measurement of pre-pump arterial pressure.
9.3.4.14.1	RQMT_333	BR 14.14.2	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Patient Population	The System shall provide a mechanism to determine two patient populations are included in this measure creating two groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component
9.3.4.14.2	RQMT_332	BR 14.14.1	CPM IIIb: Monitoring and Surveillance of	The System shall provide a mechanism to determine the 1 month Study Period based on the

#	Rqmt ID	Old BR ID	BR Title	Requirement
			AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Study Period	following criteria: ~ In-Center ~ Home HD component
9.3.4.14.3	RQMT_334	BR 14.14.3	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Denominator - In-Center	The System shall provide a mechanism to determine the denominator by selecting and counting In-Center HD patients meeting denominator grouping criteria in the 1 month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Access Type for Dialysis (KDDRQMT_395) = 1 AV Fistula with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 2 (AV Fistula combined with AV graft), OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Access Type for Dialysis (KDDRQMT_395) = 3 (AV Fistula combined with Catheter), OR ~ Access Type for Dialysis (KDDRQMT_395) = 4 (AV Graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 5 (AV Graft combined with Catheter)
9.3.4.14.4	RQMT_897	BR 14.14.3	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Denominator - Home	The System shall provide a mechanism to determine the denominator by selecting and counting Home HD patients meeting denominator component grouping in the 1 month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'HD', AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Access Type for Dialysis (KDDRQMT_395) = 1 (AV Fistula

#	Rqmt ID	Old BR ID	BR Title	Requirement
				with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 2 (AV Fistula combined with AV graft), OR ~ Access Type for Dialysis (KDDRQMT_395) = 3 (AV Fistula combined with Catheter), OR ~ Access Type for Dialysis (KDDRQMT_395) = 4 (AV Graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 5 (AV Graft combined with Catheter).
9.3.4.14.5	RQMT_687	BR 14.14.1	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Numerator - In-Center	The System shall provide a mechanism to determine by counting In-Center HD patients in the that meet the following numerator component criteria: ~ Pre Pump Pressure (KDDRMQT_406) is 'Yes', AND ~ Pre Pump Pressure Frequency (KDDRMQT_407) = 'At Each Treatment'
9.3.4.14.6	RQMT_896	BR 14.14.1	CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure - Numerator - Home	The System shall provide a mechanism to determine by counting Home HD patients in the that meet the following numerator grouping criteria: ~ Pre Pump Pressure (KDDRMQT_406) is 'Yes', AND ~ Pre Pump Pressure Frequency (KDDRMQT_407) = 'At Each Treatment'
9.3.4.15	RQMT_566	BR 14.15	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Vascular Access - HD section of the ESRD Clinical Performance Measures Summary(HD): CPM IIIc: Routine Surveillance of

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Grafts for Access Dysfunction: Percentage of adult (>= 18 years old) HD patients with AVG whose graft is routinely surveyed for dysfunction.
9.3.4.15.1	RQMT_337	BR 14.15.3	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction - Patient Population	The System shall provide a mechanism to determine the two patient populations for this measure creating two components for the denominator and numerator calculation: ~ In-Center HD Component ~ Home HD Component
9.3.4.15.2	RQMT_686	BR 14.15.1	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction - Study Period	The System shall provide a mechanism to determine the 1 month Study Period based the following criteria: ~ In-Center ~ Home HD
9.3.4.15.3	RQMT_336	BR 14.15.2	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction - Denominator - In-Center	The System shall provide a mechanism to determine the denominator by selecting and counting In-Center HD patients meeting denominator grouping criteria in the 1 month study period where: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is NULL OR Blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than or equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Treatment (KDDRQMT_810) = HD, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period, AND ~ Access Type for Dialysis (KDDRQMT_395) = 2 (AV Fistula combined with AV graft), OR ~ Access Type for Dialysis (KDDRQMT_395) = 4 (AV Graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_395) = 5 (AV Graft combined with Catheter)
9.3.4.15.4	RQMT_774	BR 14.15.2	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction-Denominator - Home	The System shall provide a mechanism to determine the denominator by selecting and counting Home HD patients meeting denominator grouping criteria in the 1 month study period where: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is NULL OR Blank (i.e., not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than or equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810) = HD, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period, AND ~ Access Type for Dialysis (KDDRQMT_395) = 2 (AV Fistula combined with AV graft), OR ~ Access Type for Dialysis (KDDRQMT_395) = 4 (AV Graft with 2 needles) ~ Access Type for Dialysis (KDDRQMT_395) = 5 (AV Graft combined with Catheter)
9.3.4.15.5	RQMT_335	BR 14.15.1	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction - Numerator - In-Center	The System shall provide a mechanism to determine the numerator by counting patients in the In-Center HD denominator that meet the following numerator grouping criteria: ~ Static Venous Pressure (KDDRQMT_409) = 'Yes', AND ~ Static Venous Pressure Frequency (KDDRQMT_410) = 'At Least Every Two Weeks', OR ~ Doppler (KDDRQMT_411) = 'Yes', AND ~ Doppler Frequency (KDDRQMT_412) = 'At Least Every Two Weeks' OR 'Monthly', OR ~ Intra-Access Flow (KDDRQMT_413) = 'Yes', AND ~ Intra-Access Flow Frequency (KDDRQMT_414) = 'At Least Every Two Weeks' OR 'Monthly'
9.3.4.15.6	RQMT_776	BR 14.15.1	CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction - Numerator - Home	The System shall provide a mechanism to determine the numerator by counting patients in the Home HD denominator that meet the following numerator grouping criteria: ~ Static Venous Pressure

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(KDDRQMT_409) = 'Yes', AND ~ Static Venous Pressure Frequency (KDDRQMT_410) = 'At Least Every Two Weeks', OR ~ Doppler (KDDRQMT_411) = 'Yes', AND ~ Doppler Frequency (KDDRQMT_412) = 'At Least Every Two Weeks' OR 'Monthly', OR ~ Intra-Access Flow (KDDRQMT_413) = 'Yes', AND ~ Intra-Access Flow Frequency (KDDRQMT_414) = 'At Least Every Two Weeks' OR 'Monthly'
9.3.4.16	RQMT_584	BR 14.32	Evaluation of Serum Phosphorous Concentration (Mineral Metabolism CPM 2) - Hemodialysis	Evaluation of Serum Phosphorous Concentration (Mineral Metabolism CPM 2) - Hemodialysis
9.3.4.16.1	RQMT_393	BR 14.32.1	CPM II: Evaluation of Serum Phosphorous Concentration: Patient Population HD	The Systems shall provide a mechanism to determine two patient populations for this measure, In-Center HD and Home HD, creating two groupings for the denominator and numerator calculation.
9.3.4.16.2	RQMT_394	BR 14.32.2	CPM II: Evaluation of Serum Phosphorous Concentration Denominator: In-Center HD	The System shall provide a mechanism to determine the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or

#	Rqmt ID	Old BR ID	BR Title	Requirement
				greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ [Primary Dialysis Setting] (BR11.3 ID 221) = 'Dialysis Facility/Center' on the last day of the study period
9.3.4.16.3	RQMT_862	BR 14.32.2	CPM II: Evaluation of Serum Phosphorous Concentration Denominator: Home HD	The System shall provide a mechanism to determine the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ [Primary Dialysis Setting] (BR11.3 ID 221) = 'Home' on the last day of the study period
9.3.4.16.4	RQMT_681	BR 14.32.1	CPM II: Evaluation of Serum Phosphorous Concentration Numerator: In-Center HD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting those In-Center HD patients identified in the denominator when the mean of patient's recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.4.16.5	RQMT_860	BR 14.32.1	CPM II: Evaluation of Serum Phosphorous Concentration Numerator: Home HD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting those Home HD patients identified in the denominator when the mean of patient's recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.
9.3.4.17	RQMT_587	BR 14.35	Measurement of Serum Calcium Concentration (Mineral Metabolism CPM 3) - Hemodialysis	Measurement of Serum Calcium Concentration (Mineral Metabolism CPM 3) - Hemodialysis
9.3.4.17.1	RQMT_404	BR 14.35.3	CPM III: Measurement of Serum Calcium Concentration Patient Population: HD	The System shall provide a mechanism to determine two patient populations for this measure creating two groupings for the denominator and numerator calculation based on the following criteria: ~ In-Center HD Component ~ Home HD Component
9.3.4.17.2	RQMT_402	BR 14.35.1	CPM III: Measurement of Serum Calcium Concentration Study Period: HD	The System shall provide a mechanism to determine the 1 month Study Period(s) based on the following criteria: ~ In-Center HD component ~ Home HD component
9.3.4.17.3	RQMT_403	BR 14.35.2	CPM III: Measurement of Serum Calcium Concentration Denominator In-Center: HD	The System shall provide a mechanism to determine the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or

#	Rqmt ID	Old BR ID	BR Title	Requirement
				greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Dialysis Facility/Center' on the last day of the study period
9.3.4.17.4	RQMT_871	BR 14.35.2	CPM III: Measurement of Serum Calcium Concentration Denominator Home: HD	The System shall provide a mechanism to determine the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'Hemodialysis' on the last day of the study period, AND ~ Primary Dialysis Setting (KDDRQMT_366) = 'Home' on the last day of the study period
9.3.4.17.5	RQMT_679	BR 14.35.1	CPM III: Measurement of Serum Calcium Concentration Numerator: In-Center HD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting an In-Center HD patient identified in denominator when during the 1 month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_296)
9.3.4.17.6	RQMT_872	BR 14.35.1	CPM III: Measurement of Serum Calcium Concentration Numerator Home: HD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting a Home HD patient identified in denominator when during the 1 month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_296)

9.3.5 PD Summary

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.5.1	RQMT_559	BR 14.8	CPM I: Measurement of Total Solute	The System shall provide a mechanism to display the following information as a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Clearance at Regular Intervals Heading and Description	heading and description in the Adequacy - Peritoneal Dialysis (PD) section of the ESRD Clinical Performance Measures Summary(PD): CPM I: Measurement of Total Solute Clearance at Regular Intervals: Percentage of adult (>= 18 years old) PD patients with total solute clearance for urea (endogenous residual renal urea clearance & dialytic) measured at least once in a four-month time period.
9.3.5.1.1	RQMT_572	BR 14.21	CPM I: Measurement of Total Solute Clearance at Regular Intervals - Patient Population	The System shall provide a mechanism to calculate one patient population for this measure creating one denominator and numerator component based on the following criterion: ~ PD Component
9.3.5.1.2	RQMT_357	BR 14.21.1	CPM I: Measurement of Total Solute Clearance at Regular Intervals - Study Period	The System shall provide a mechanism to calculate the 4 month Study Period for this measure based on the following criterion: ~ PD
9.3.5.1.3	RQMT_315	BR 14.8.2	CPM I: Measurement of Total Solute Clearance at Regular Intervals Denominator	The System shall select and count patients meeting denominator component criteria for the 4 month study period: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRMQT_361) from the facility is Null or blank (ie, not discharged), OR ~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDDRMQT_809) is prior OR equal to the first day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_810)= 'PD'
9.3.5.1.4	RQMT_316	BR 14.8.3	CPM I: Measurement of Total Solute Clearance at Regular Intervals - Numerator	The System shall provide a mechanism to calculate patients in the denominator that meet the following numerator grouping criteria for at least one month of the 4 month study period: ~ Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325)is populated.
9.3.5.2	RQMT_561	BR 14.9	CPM II: Standard calculation of Weekly Kt/Vurea Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Adequacy - Peritoneal Dialysis (PD) section of the ESRD Clinical Performance Measures Summary(PD): CPM II: Standard calculation of Weekly Kt/Vurea: Percentage of adult (>= 18 years old) PD patients with weekly Kt/V urea calculated in a standard way.
9.3.5.2.1	RQMT_319	BR 14.9.3	CPM II: Standard calculation of Weekly Kt/Vurea - Patient Population	The System shall provide a mechanism to determine the patient population for this measure creating one denominator and numerator component based on the following criterion: ~ PD Component
9.3.5.2.2	RQMT_672	BR 14.9.3	CPM II: Standard calculation of Weekly Kt/Vurea - Study Period	The System shall provide a mechanism to determine the 4 month Study Period based on the following criterion: PD
9.3.5.2.3	RQMT_673	BR 14.9.3	CPM II: Standard	The System shall provide a mechanism to count the patients

#	Rqmt ID	Old BR ID	BR Title	Requirement
			calculation of Weekly Kt/Vurea - Numerator	in the denominator that meet the following numerator component criteria for the last month of the four month study period in which Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) is populated: ~ Kt/V Peritoneal Dialysis Method (KDDRQ_326) is 'Watson' OR 'Hume', AND ~ Body Surface Area Method (KDDRQMT_327) is 'Dubois & Dubois' OR 'Gehan & George' OR 'Haycock', AND ~ Urine Volume (KDDRQMT_347) < 100 mL, OR ~ Urine Volume (KDDRQMT_347) >= 100 mL, AND ~ Residual Renal Function Assessed in Calculating Kt/V? (KDDRQMT_328) = 'Yes'
9.3.5.2.4	RQMT_318	BR 14.9.2	CPM II: Standard calculation of Weekly Kt/Vurea - Denominator	The System shall provide a mechanism to select and count patients meeting denominator grouping criteria for the 4 month study period: ~ Admit Date (KDDRQMT_354) the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (i.e., not discharged), OR ~ Discharge Date (KDD_RQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Treatment Dialysis Broad Start Date (KDQMT_809) is prior OR equal to the first day of the study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Dialysis Broad Type of Treatment (KDDRQMT_810) = 'PD'.
9.3.5.3	RQMT_560	BR 14.10	CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7 Heading and Description	The System shall provide a mechanism to display the following information as a heading and description in the Adequacy - Peritoneal Dialysis (PD) section of the ESRD Clinical Performance Measures Summary (PD): CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7: Percentage of all adult (>= 18 years old) PD patients whose delivered peritoneal dialysis dose was a weekly Kt/Vurea of at least 1.7 (dialytic + residual) during the four month reporting period.
9.3.5.3.1	RQMT_322	BR 14.10.3	CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7 - Patient Population	The System shall provide a mechanism to calculate the patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD
9.3.5.3.2	RQMT_659	BR 14.10.3	CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7 - Study Period	The System shall provide a mechanism to calculate the 4 month Study Period for this measure based on the following criterion: PD
9.3.5.3.3	RQMT_321	BR 14.10.2	CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7 - Denominator	The System shall provide a mechanism to select and count patients meeting denominator component criteria for the 4 month study period where: ~ Admit Date (KDDRQMT_354) to the specified facility is prior OR equal to the first day of the study period, AND ~ Discharge Date (KDDRQMT_361) from the facility is Null OR blank (ie, not discharged), OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Discharge Date (KDDRQMT_361) from the facility is greater than OR equal to the last day of the study period, AND ~ Dialysis Broad Type of Treatment (KDDRQMT_809) = 'PD', AND ~ Treatment Dialysis Broad Start Date (KDDRQMT_810) is prior to (Study Period Beginning Date MINUS 90 days)
9.3.5.3.4	RQMT_660	BR 14.10.3	CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7 - Numerator	The System shall provide a mechanism to calculate the patients in the denominator that meet the following numerator component grouping for the last month of the 4 month study period in which Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) is populated and ~ Kt/V Peritoneal Dialysis Method (KDDRQMT_326)is 'Watson' OR 'Hume', AND ~ Body Surface Area Method (KDDRQMT_327) is 'Dubois & Dubois' OR 'Gehan & George' OR 'Haycock', AND ~ Urine Volume (KDDRQMT_347) < 100 mL, OR ~ Urine Volume (KDDRQMT_347) >= 100 mL, AND ~ Residual Renal Function Assessed in Calculating Kt/V? (KDDRQMT_328) = 'Yes', AND ~ Weekly Kt/V Peritoneal Dialysis (KDDRQMT_325) >= 1.7
9.3.5.4	RQMT_569	BR 14.18	CPM Ia: Hemoglobin Control for CPM Ia: Hemoglobin Control for ESA Therapy -	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - PD section of the ESRD Clinical Performance

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Header and Description PD	Measures Summary (PD): CPM Ia: Hemoglobin Control for ESA Therapy: Adult (>= 18 years old) PD patients with ESRD >= 3 months, who have received ESA therapy at any time during a 3 month reporting period AND have achieved a mean hemoglobin of less than 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation.
9.3.5.4.1	RQMT_350	BR 14.18.4	CPM Ia: Hemoglobin Control for ESA Therapy - Patient Population: PD	The System shall provide a mechanism to determine the patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD Component
9.3.5.4.2	RQMT_670	BR 14.18.4	Delete CPM Ia: Hemoglobin Control for ESA Therapy (HD & PD Combined) - Study Period	The System shall provide a mechanism to determine the 3 month Study Period based on the following criterion: PD
9.3.5.4.3	RQMT_785	BR 14.17.3	CPM Ia: Hemoglobin Control for ESA Therapy - Denominator - PD	The System shall determine one part of the denominator for this measurement by selecting those PD patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the Study Period Beginning Date, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months in the Study Period, AND ~ ESA Prescribed? (KDDRQMT_305) is 'Yes' for at least 1 of the 3 months in the Study Period
9.3.5.4.4	RQMT_787	BR 14.17.4	CPM Ia: Hemoglobin Control for ESA Therapy - Numerator - PD	The System shall provide a mechanism to determine the numerator for this measurement by counting the PD patients identified in denominator when the mean of the patient's last recorded Hemoglobin (KDDRQMT_303) values for each month is between 10.0 and 12.0 g/dL inclusive.
9.3.5.5	RQMT_805	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels below Target Minimum: Heading and Description PD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - PD section of the ESRD Clinical Performance Measures Summary (PD): CPM Ib: Monitoring Hemoglobin Levels below Target Minimum: Adult (>= 18 years old) PD patients, with ESRD >= 3 months, who have a mean hemoglobin (Hgb) of less than 10 g/dL for a 3 month reporting period, irrespective of ESA use. The Hemoglobin value reported for the end of each reporting month (end-of-month) is used for the calculation.
9.3.5.5.1	RQMT_799	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels below Target Minimum	The System shall provide a mechanism to determine the numerator and denominator grouping for this measure based on the following criterion: PD

#	Rqmt ID	Old BR ID	BR Title	Requirement
			- Patient Population PD	Component
9.3.5.5.2	RQMT_797	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels below Target Minimum - Study Period: PD	The System shall provide a mechanism to determine the 3 month Study Period based on the following criterion: PD
9.3.5.5.3	RQMT_804	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels below Target Minimum - Denominator	The System shall provide a mechanism to determine the denominator for this Anemia Management CPM by selecting patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Date Regular Chronic Dialysis Began (KDDRQMT_133) is greater than or equal to 3 months prior to the study period beginning date, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'CCPD' or 'CAPD' on the last day of the study period, AND ~ Hemoglobin (KDDRQMT_303) is populated for at least 2 of the 3 months of the study period
9.3.5.5.4	RQMT_800	BR 14.32.1	CPM Ib: Monitoring Hemoglobin Levels below Target Minimum - Numerator	The System shall provide a mechanism to determine the numerator for this Anemia Management CPM by counting the patients identified in the PD denominator when the mean Hemoglobin (KDDRQMT_303) values for each month is less than 10.0 g/dL.

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.5.6	RQMT_639	BR 14.19.1	CPM IIa: Assessment of Iron Stores: Heading and Description PD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - PD section of the ESRD Clinical Performance Measures Summary - PD Report : CPM IIa: Assessment of Iron Stores: Percentage of all adult (>= 18 years old) PD patients who have prescribed ESA at any time during the reporting period OR who have a Hemoglobin <11.0 g/dL for at least one month of the reporting period for whom serum ferritin concentration AND either percent transferrin saturation or reticulocyte Hemoglobin content (CHr) are measured at least twice during a six-month period.
9.3.5.6.1	RQMT_359	BR 14.21.3	CPM IIa: Assessment of Iron Stores - Patient Population PD	The System shall provide a mechanism to determine the patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD Component
9.3.5.6.2	RQMT_657	BR 14.21.3	CPM IIa: Assessment of Iron Stores - Study Period PD	The System shall provide a mechanism to calculate the three month Study Period for this measure based on the following criterion: PD
9.3.5.6.3	RQMT_358	BR 14.21.2	CPM IIa: Assessment of Iron Stores - Denominator PD	The System shall provide a mechanism to calculate the denominator for this Anemia Management CPM by selecting those PD patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last

#	Rqmt ID	Old BR ID	BR Title	Requirement
				day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period, AND ~ In ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.5.6.4	RQMT_658	BR 14.21.3	CPM IIa: Assessment of Iron Stores - Numerator PD	The System shall provide a mechanism to determine the numerator for this Anemia Management CPM by counting those PD patients included in the denominator when at least once during the 3 Month study period: ~ The patient's Serum Ferritin Collection Date (KDDRQMT_308) is populated, AND ~ Serum Ferritin (KDDRQMT_307) is populated, AND ~ Iron Saturation (TSAT) Percentage Collection Date (KDDRQMT_310) is populated, AND ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is populated, OR ~ Reticulocyte Hemoglobin (CHr) Collection Date (KDDRQMT_312) is populated, AND ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is populated
9.3.5.7	RQMT_575	BR 14.24	CPM IIb: Maintenance of Iron Stores: Heading and Description PD	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - PD section of the ESRD Clinical Performance

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Measures Summary - PD Report: CPM IIb: Maintenance of Iron Stores: Percentage of adult (>= 18 years old) PD patients who have received ESA therapy any time during the reporting period or whose last monthly Hemoglobin is less than 11.0 g/dL for at least one of the two-month periods during the 6-month reporting period with at least one serum ferritin greater than or equal to 100ng/mL and either one TSAT greater than or equal to 20% or one CHr greater than or equal to 29 pg during the reporting period.
9.3.5.7.1	RQMT_369	BR 14.24.3	CPM IIb: Maintenance of Iron Stores - Patient Population PD	The System shall provide a mechanism to determine the patient population for this measure creating one denominator and numerator grouping based on the selected criterion: PD Component
9.3.5.7.2	RQMT_668	BR 14.24.3	CPM IIb: Maintenance of Iron Stores - Study Period PD	The System shall provide a mechanism to determine the 3 month Study Period based on the following criterion: PD
9.3.5.7.3	RQMT_368	BR 14.24.2	CPM IIb: Maintenance of Iron Stores - Denominator PD	The System shall provide a mechanism to calculate the denominator for this Anemia Management CPM by selecting those patients for the study period based on ALL of the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or

#	Rqmt ID	Old BR ID	BR Title	Requirement
				'CCPD' on the last day of the study period, AND ~ In ANY month of the 3 Month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed? (KDDRQMT_305) is 'Yes'
9.3.5.7.4	RQMT_669	BR 14.24.3	CPM IIb: Maintenance of Iron Stores – Numerator PD	The System shall provide a mechanism to determine the denominator for this Anemia Management CPM by selecting those PD patients based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period, AND ~ In ANY month of the 3 month study period, the patient's Hemoglobin (KDDRQMT_303) is less than 11.0g/dL, OR ESA Prescribed (KDDRQMT_305) is 'Yes'
9.3.5.8	RQMT_578	BR 14.27	CPM III: Administration of Supplemental Iron Header and Description	The System shall provide a mechanism to display the following information as a heading and description in the Anemia Management - PD section of the ESRD Clinical Performance Measures Summary - PD Report: CPM III: Administration of Supplemental Iron:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Percentage of adult (>= 18 years old) PD patients prescribed an ESA any time during the reporting period or whose last monthly Hemoglobin is less than 11.0 g/dL for at least one of the two-month periods during the 6-month reporting period with at least one serum ferritin less than 100ng/mL or TSAT less than 20% or CHr less than 29 pg during the reporting period for whom IV Iron was prescribed for any time during the reporting period.
9.3.5.8.1	RQMT_380	BR 14.27.3	CPM III: Administration of Supplemental Iron - Patient Population PD	The System shall provide a mechanism to determine the patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD
9.3.5.8.2	RQMT_665	BR 14.27.3	CPM III: Administration of Supplemental Iron - Study Period PD	The System shall provide a mechanism to determine the 3 month Study Period based on the following criterion: PD
9.3.5.8.3	RQMT_379	BR 14.27.2	CPM III: Administration of Supplemental Iron - Denominator PD	The System shall provide a mechanism to determine the denominator for this Anemia Management CPM by selecting those patients for the study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the study period, AND ~ Patient has a Discharge Date(KDDRQMT_361) that is blank or greater than or equal to the last day of the study period, AND ~ Primary Type of Treatment (KDDRQMT_367)= 'CCPD' or 'CAPD' on the last day of the study period in ANY month of the 3 Month study period, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ The patient's Hemoglobin (KDDRQMT_303) is less than 11.0 g/dL, OR ~ ESA Prescribed (KDDRQMT_305) is 'Yes', AND ~ Serum Ferritin (KDDRQMT_307) is less than 200 ng/mL, OR ~ Iron Saturation (TSAT) Percentage (KDDRQMT_309) is less than 20%, OR ~ Reticulocyte Hemoglobin (CHr) (KDDRQMT_311) is less than 29
9.3.5.8.4	RQMT_666	BR 14.27.3	CPM III: Administration of Supplemental Iron - Exclusion	The System shall provide a mechanism to exclude from this Anemia Management CPM patients who for any month within the study period where the patient's: ~ Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'No' for every month within the study period, AND ~ [Iron Saturation (TSAT) Percentage] (KDDRQMT_309) > 50%, OR ~ [Serum Ferritin] (KDDRQMT_307) > 500 ng/mL
9.3.5.8.5	RQMT_667	BR 14.27.3	CPM III: Administration of Supplemental Iron Numerator: PD	The System shall provide a mechanism to determine the numerator for this Anemia Management CPM by counting those patients included in the denominator whose Primary Treatment Type (KDDRQMT_367) is 'CCPD' or 'CAPD' when patient's Intravenous (IV) Iron Prescribed? (KDDRQMT_313) is 'Yes' any time during the 3 month study period.
9.3.5.9	RQMT_582	BR 14.30	CPM I: Measurement of Serum	The System shall provide a mechanism to display the following information as a

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Phosphorus Concentration: Heading and Description PD	heading and description in the Mineral Metabolism - PD section of the ESRD Clinical Performance Measures Summary - PD Report: CPM I: Measurement of Serum Phosphorus Concentration: Percentage of adult (>= 18 years old) PD patients included in the sample for analysis with serum phosphorus measured at least once within month.
9.3.5.9.1	RQMT_389	BR 14.30.3	CPM I: Measurement of Serum Phosphorus Concentration - Patient Population PD	The System shall provide a mechanism to calculate one patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD Component
9.3.5.9.2	RQMT_663	BR 14.30.3	CPM I: Measurement of Serum Phosphorus Concentration - Study Period PD	The System shall provide a mechanism to calculate the 1 month Study Period based on the following criterion: PD
9.3.5.9.3	RQMT_388	BR 14.30.2	CPM I: Measurement of Serum Phosphorus Concentration - Denominator PD	The System shall provide a mechanism to calculate the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period
9.3.5.9.4	RQMT_664	BR 14.30.3	CPM I: Measurement of Serum	The System shall provide a mechanism to calculate the numerator for this Mineral

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Phosphorus Concentration - Numerator	Metabolism CPM by counting a patient identified in denominator when for each month of the specified study period Serum Phosphorus(KDDRQMT_315) is populated.
9.3.5.10	RQMT_585	BR 14.33	CPM II: Evaluation of Serum Phosphorus: Heading and Description PD	The System shall provide a mechanism to display the following information as a heading and description in the Mineral Metabolism - PD section of the ESRD Clinical Performance Measures Summary - PD Report: CPM II: Evaluation of Serum Phosphorus: Percentage of adult (>= 18 years old) PD patients with a mean phosphorous between 3.5 and 5.5 mg/dL.
9.3.5.10.1	RQMT_398	BR 14.33.3	CPM II: Evaluation of Serum Phosphorus - Patient Population PD	The System shall provide a mechanism to calculate one patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD Component
9.3.5.10.2	RQMT_395	BR 14.32.3	CPM II: Evaluation of Serum Phosphorus - Study Period PD	The System shall provide a mechanism to calculate the 1 month Study Period based on the following criterion: PD
9.3.5.10.3	RQMT_397	BR 14.33.2	CPM II: Evaluation of Serum Phosphorus - Numerator PD	The System shall provide a mechanism to calculate the numerator for this Mineral Metabolism CPM by counting those PD patients identified in the denominator when the mean of patient's recorded Serum Phosphorus (KDDRQMT_315) values is between 3.5 and 5.5 mg/dL inclusive.
9.3.5.10.4	RQMT_406	BR 14.36.2	CPM II: Evaluation of Serum Phosphorus Denominator: PD	The System shall provide a mechanism to calculate the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient has an Admit Date (KDDRQMT_354) prior or equal to the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period
9.3.5.11	RQMT_588	BR 14.36	CPM III: Measurement of Serum Calcium Concentration Header and Description	The System shall provide a mechanism to display the following information as a heading and description in the Mineral Metabolism - PD section of the ESRD Clinical Performance Measures Summary - PD Report: CPM III: Measurement of Serum Calcium Concentration: Percentage of adult (>= 18 years old) PD patients included in the sample for analysis with serum calcium measured once within a month.
9.3.5.11.1	RQMT_407	BR 14.36.3	CPM III: Measurement of Serum Calcium Concentration Patient Population: PD	The System shall provide a mechanism to calculate one patient population for this measure creating one denominator and numerator grouping based on the following criterion: PD Component
9.3.5.11.2	RQMT_661	BR 14.36.3	CPM III: Measurement of Serum Calcium Concentration-Study Period	The System shall provide a mechanism to calculate the 1 month Study Period based on the following criterion: PD
9.3.5.11.3	RQMT_405	BR 14.36.1	CPM III: Measurement of Serum Calcium Concentration - Denominator	The System shall calculate the denominator for this Mineral Metabolism CPM by selecting those patients for the one month study period based on the following patient selection criteria: ~ Patient has an Admit Date (KDDRQMT_354) prior or equal to

#	Rqmt ID	Old BR ID	BR Title	Requirement
				the first day of the month, AND ~ Patient has a Discharge Date (KDDRQMT_361) that is blank or greater than or equal to the last day of the month, AND ~ Primary Type of Treatment (KDDRQMT_367) = 'CAPD' or 'CCPD' on the last day of the study period
9.3.5.11.4	RQMT_662	BR 14.36.3	CPM III: Measurement of Serum Calcium Concentration - Numerator	The System shall provide a mechanism to calculate the numerator for this Mineral Metabolism CPM by counting a patient identified in denominator when during the 1 month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.5.12	RQMT_655	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Heading and Description PD	The System shall provide a mechanism to display the following information as a heading and description in the Mineral Metabolism - PD section of the ESRD Clinical Performance Measures Summary - PD Report: CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Percentage of adult PD patients with mean calcium

#	Rqmt ID	Old BR ID	BR Title	Requirement
				between 8.4 and 10.2 mg/dL.
9.3.5.12.1	RQMT_416	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Patient Population: PD	The System shall provide a mechanism to calculate the one patient population creating just one denominator and numerator component based on the following criterion: PD Component
9.3.5.12.2	RQMT_653	BR 14.39.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Study Period: PD	The System shall provide a mechanism to calculate the 1 month Study Period for the following criterion: PD
9.3.5.12.3	RQMT_879	BR 14.38.2	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium Denominator: PD	The System shall provide a mechanism to determine the numerator for this Mineral Metabolism CPM by counting a PD patient identified in denominator when during the 1 month study period at least ONE of the following sets of data is populated: ~ Corrected Serum Calcium (KDDRQMT_317), OR ~ Uncorrected Serum Calcium (KDDRQMT_319), AND ~ Uncorrected Serum Calcium Collection Date (KDDRQMT_320), AND ~ Serum Albumin (KDDRQMT_296), AND ~ Serum Albumin Collection Date (KDDRQMT_297), AND ~ Serum Albumin Lower Limit (KDDRQMT_298)
9.3.5.12.4	RQMT_881	BR 14.38.3	CPM IV: Evaluation of Appropriately Adjusted Serum Calcium - Numerator PD	The System shall determine the numerator for this Mineral Metabolism CPM by counting those PD patients identified in the denominator when the mean of patient's appropriately Corrected Serum Calcium concentrations (KDDRQMT_317) is between 8.4 mg/dL and 10.2 mg/dL inclusive.

9.3.6 Fistula First Summary

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.6.1	RQMT_301	BR 14.4.4.3	Fistula First Data Set	The System shall utilize data recorded for the month of the Reporting Period End Date only.
9.3.6.2	RQMT_592	BR 14.40	Fistula First : Type of Vascular Access in Use (Prevalent Patients)	Fistula First : Type of Vascular Access in Use (Prevalent Patients)
9.3.6.3	RQMT_417	BR 14.40.1	Type of Vascular Access in Use (Prevalent Patients) : Description	Description: Percentage of adult hemodialysis patients, home or in-center indicating which vascular access type was in use at the reporting period end date (excluding transient)
9.3.6.4	RQMT_418	BR 14.40.2	Type of Vascular Access in Use (Prevalent Patients): Denominator	The System shall determine the denominator for this Fistula First for the reporting period based on ALL of the following patient selection criteria: ~ Patient for a given CMS Certification Number (CNN) (KDDRQMT_11). with (Reporting Period Beginning Date) ~ Patient Date of Birth (KDDRQMT_119) is greater than or equal to 18, AND ~ Patient with an [Admit Date] ((KDDRQMT_354) prior to the first day of the month, AND ~ Patient with a Discharge Date (KDDRQMT_361). blank or greater than the last day of the month, AND ~ for the ENTIRE month, BOTH of the following are true:

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ the [Primary Type of Treatment] is 'Hemodialysis' (KDDRQMT_367), AND ~ the [Primary Dialysis Setting] is 'Dialysis Facility' (KDDRQMT_366), OR ~ the [Primary Dialysis Setting] is 'Home' (KDDRQMT_366)
9.3.6.5	RQMT_419	BR 14.40.3	Type of Vascular Access in Use (Prevalent Patients): Numerator	The System shall determine the numerator by selecting those patients identified in the denominator for each separate Access Type for Dialysis (KDDRQMT_398) as of the last day of the specified reporting period end date from the following list: ~ Access Type for Dialysis (KDDRQMT_398) is '1' (AV Fistula with 2 Needles), OR ~ Access Type for Dialysis (KDDRQMT_398) is 4 (AV graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_398) is 6 (Catheter), OR ~ Access Type for Dialysis (KDDRQMT_398) is 9 (Other), OR ~ Access Type for Dialysis (KDDRQMT_398) is blank
9.3.6.6	RQMT_593	BR 14.41	Fistula First : AV Fistula Placed-Prevalent Patient	Fistula First : AV Fistula Placed-Prevalent Patient
9.3.6.7	RQMT_420	BR 14.41.1	AV Fistula Placed-Prevalent Patient: Description	Description: Percentage of adult hemodialysis patients, home or in-center indicating AVF placement as of the reporting period end date.

#	Rqmt ID	Old BR ID	BR Title	Requirement
				(excluding transient)
9.3.6.8	RQMT_421	BR 14.41.2	AV Fistula Placed-Prevalent Patient: Denominator	The System shall determine the denominator for this Fistula placed for ALL patients for the reporting period based on ALL of the following patient selection criteria: ~ Patient for a given CMS Certification Number (CNN) (KDDRQMT_11) with (""Reporting Period Beginning Date"") - ~ Patient Date of Birth (KDDRQMT_119) is greater than or equal to 18, AND ~ Patient with an Admit Date (KDDRQMT_354) prior to the first day of the month, AND ~ Patient with a Discharge Date(KDDRQMT_361) blank or greater than the last day of the month, AND For the ENTIRE month, BOTH of the following are true: ~ the [Primary Type of Treatment] is 'Hemodialysis' (KDDRQMT_367), AND ~ the Primary Dialysis Setting is 'Dialysis Facility' (KDDRQMT_366), Or ~ the Primary Dialysis Setting is 'Home' (KDDRQMT_366)
9.3.6.9	RQMT_422	BR 14.41.3	AV Fistula Placed-Prevalent Patient:	The System shall determine the numerator

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Numerator	by selecting those patients identified in the denominator based on the following criteria: ~ Access Type for Dialysis KDDRQMT_398) is 1, OR ~ Access Type for Dialysis KDDRQMT_398) is 2, OR ~ Access Type for Dialysis KDDRQMT_398) is 3 as of the last day of the reporting period end date
9.3.6.10	RQMT_594	BR 14.42	Fistula First : Type of Vascular Access in Use (Incident Patients)	Fistula First : Type of Vascular Access in Use (Incident Patients)
9.3.6.11	RQMT_423	BR 14.42.1	Type of Vascular Access in Use (Incident Patients): Description	Description: Percentage of home or in-center hemodialysis patients which received their first ever ESRD treatment during the calendar month of the reporting period end date with AVF in use
9.3.6.12	RQMT_424	BR 14.42.2	Type of Vascular Access in Use (Incident Patients):Denominator	The System shall determine the denominator for Incident patients for the reporting period based on ALL of the following patient selection criteria: ~ Patient for a given CMS Certification Number (CNN) (KDDRQMT_11) When ""Reporting Period Beginning Date - Patient Date of Birth (KDDRQMT_119) is greater than or equal to 18, AND ~ Patient with an Admit Date (KDDRQMT_354) prior to the first day of the reporting year, AND

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient with a Discharge Date (KDDRQMT_361) blank, AND For the ENTIRE month, BOTH of the following are true: ~ the Primary Type of Treatment is 'Hemodialysis' (KDDRQMT_367), AND ~ the Primary Dialysis Setting is 'Dialysis Facility' (KDDRQMT_366), OR ~ the Primary Dialysis Setting is 'Home' (KDDRQMT_366)
9.3.6.13	RQMT_425	BR 14.42.3	Type of Vascular Access in Use (Incident Patients): Numerator	The System shall determine the numerator by selecting those patients identified in the denominator for each separate Access Type for Dialysis (KDDRQMT_398) as of the last day of the specified reporting period end date from the following list: ~ Access Type for Dialysis (KDDRQMT_398) is '1' (AV Fistula with 2 Needles), OR ~ Access Type for Dialysis (KDDRQMT_398) is '4' (AV graft with 2 needles), OR ~ Access Type for Dialysis (KDDRQMT_398) is '6' (Catheter), OR ~ Access Type for Dialysis (KDDRQMT_398) is '9' (Other), OR ~ Access Type for Dialysis (KDDRQMT_398) is blank

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.3.6.14	RQMT_595	BR 14.43	Fistula First : AV Fistula Placed-Incident Patients	Fistula First : AV Fistula Placed-Incident Patients
9.3.6.15	RQMT_426	BR 14.43.1	AV Fistula Placed-Incident Patients: Description	Description: Percentage of home or in-center hemodialysis patients which received their first ever ESRD treatment during the calendar month of the reporting period end date with AVF in place
9.3.6.16	RQMT_427	BR 14.43.2	AV Fistula Placed-Incident Patients: Denominator	The System shall determine the denominator for Incident patients for the reporting period based on ALL of the following patient selection criteria: ~Patient for a given CMS Certification Number (CNN)(KDDRQMT_11) When ""Reporting Period Beginning Date - Patient Date of Birth (KDDRQMT_119) is greater than or equal to 18, AND ~Patient with an Admit Date (KDDRQMT_354) prior to the first day of the reporting year, AND ~Patient with a Discharge Date (KDDRQMT_361) blank, AND ~for the ENTIRE month, BOTH of the following are true: ~ ~ the Primary Type of Treatment is 'Hemodialysis' (KDDRQMT_367), AND ~ the Primary Dialysis Setting is 'Dialysis Facility' (KDDRQMT_366), OR

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ the Primary Dialysis Setting is 'Home' (KDDRQMT_366)
9.3.6.17	RQMT_428	BR 14.43.3	AV Fistula Placed-Incident Patients: Numerator	The System shall determine the numerator by selecting those patients identified in the denominator for each Access Type for Dialysis (KDDRQMT_398) as of the last day of the reporting period end date from the following list: ~ Access Type for Dialysis (KDDRQMT_395) is '1'. OR ~ Access Type for Dialysis (KDDRQMT_395) is '2', OR ~ Access Type for Dialysis (KDDRQMT_395) is '3' as of the last day of the reporting period end date.
9.3.6.18	RQMT_434	BR 14.45.2	Fistula First - Number of Incident Patients Count	The System shall determine the number of incident patients in the selected facility by counting those patients based on the following criteria: As of the last day of the reporting month: ~ Patient had an Admit Date (KDDRQMT_872) prior or equal to the last day of the month AND, ~ Patient has a Discharge Date (KDDRQMT_876) that is blank or greater than or equal to the last day of the month AND,

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Patient's Primary Treatment Type (KDDRQMT_883) is "Hemodialysis" AND, ~ Patient's Primary Dialysis Setting (KDDRQMT_882) is "Dialysis Facility/Center" or "Home" AND, ~ Patient's Transient Status (KDDRQMT_874) is "No" AND, ~ Patient's Date Regular Chronic Dialysis Began (KDDRQMT_255) is in the same Month and Year as the specified reporting period.
9.3.6.19	RQMT_435	BR 14.45.3	Report Footer Details	The System shall display the following footer on the ESRD Fistula First Summary Report: ~ User [Personnel Last Name] and [Personnel First Name] requesting report ~ Report Requested On: mm/dd/yyyy nn:nn AM/PM
9.3.6.20	RQMT_1015	BR 14.45.3	Report Header Details	The System shall display the following Header on the ESRD Fistula First Summary Report: ~ Facility comparison to Network and National results for period ending Month Year. ~ Selected Facility DBA

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Name ~ ESRD Fistula First Measures Summary ~ National, Network and Facility Data for Fistula First Breakthrough Initiative ~ Month Year* ~ Use this tool to compare your facility outcomes to National and Network data
9.3.6.21	RQMT_1016	BR 14.45.3	Report Header Details	The System shall display the following Header on the ESRD Fistula First Summary Report: ~ Facility comparison to Network and National results for period ending Month Year. ~ Selected Facility DBA Name ~ ESRD Fistula First Measures Summary ~ National, Network and Facility Data for Fistula First Breakthrough Initiative ~ Month Year* ~ Use this tool to compare your facility outcomes to National and Network data
9.3.6.22	RQMT_1017	BR 14.45.3	Report Column Header Details	The System shall display the following Column Header on the ESRD Fistula First Summary Report: ~ Facility CCN ~ ESRD Network # ~ National
9.3.6.23	RQMT_1018	BR 14.45.2	Fistula First - Number of Prevalent Patients Count	The System shall determine the number of Prevalent patients in the selected facility by counting those patients based on the following criteria: As of the last day of the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				reporting month: ~ Patient had an Admit Date (KDDRQMT_872) prior or equal to the last day of the month AND, ~ Patient has a Discharge Date (KDDRQMT_876) that is blank or greater than or equal to the last day of the month AND, ~ Patient's Primary Treatment Type (KDDRQMT_883) is "Hemodialysis" AND, ~ Patient's Primary Dialysis Setting (KDDRQMT_882) is "Dialysis Facility/Center" or "Home" AND, ~ Patient's Transient Status (KDDRQMT_874) is "No".

9.4 Facility Personnel Report

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.4.1	RQMT_446	BR 23.2.1	Generate Facility Personnel Report	The System shall provide a mechanism that allows the end user to generate a Facility Personnel report in its entirety for facilities within the user's scope.
9.4.2	RQMT_447	BR 23.2.2	Group Personnel	The System shall provide a mechanism that allows the end user to group the Facility Personnel Report by either personnel position or personnel name for

#	Rqmt ID	Old BR ID	BR Title	Requirement
				each facility.
9.4.3	RQMT_448	BR 23.2.3	Report Defined	The System shall provide a mechanism that allows the end user to include the following fields on the Personnel Report: Report body ~ Facility Demographic Information: Facility CCN, NPI, CROWNWeb Facility Unique Identifier, Facility Code, Org Facility Code, Network Number, Facility DBA Name, Physical Street Address, Physical Street Address 2, Physical City, Physical State, Physical Zip Code, Physical Zip +4, Physical County, Mailing Street Address, Mailing Street Address 2, Mailing City, Mailing State, Mailing Zip Code, Mailing County, Facility Phone, Facility Phone Number Extension, Facility Fax, Facility E-Mail, Facility Website ~ Primary Contact Information: Personnel Last Name, Personnel First Name, Business Phone Number, Business Phone Number Extension, E-mail ~ Facility Details Information: Program Type, Facility Type, Facility Status, Effective Date, Profit Status, Date Opened, Date Closed, Location Type, Hospital Provider Number, Organizational Affiliation, Owned By, Managed By, Backup Facility #1 Legal Name, Backup Facility #2 Legal Name ~ Facility Services and Certification Information: Initial Certification Date, Certification Type, Certified Number of Stations, Number of Isolation Stations, Total # of Stations Available, Certified Services Offered, Other Services Offered ~ Facility Hours of Operation and Shifts: Monday Opened, Monday Closed, Tuesday Opened, Tuesday Closed, Wednesday Opened, Wednesday Closed, Thursday Opened, Thursday Closed, Friday Opened, Friday Closed, Saturday Opened, Saturday Closed, Sunday Opened, Sunday Closed, # of Monday Shifts, # of Tuesday Shifts, # of Wednesday Shifts, # of Thursday Shifts, # of Friday Shifts, # of Saturday Shifts, # of

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Sunday Shifts ~ Facility Personnel Details: Personnel Last Name, Personnel First Name, Personnel Middle Initial, Personnel Suffix, Personnel Credentials, Job Code Description, Job Title, Personnel UPIN, Personnel Street Address, Personnel Street Address 2, Personnel City, Personnel State, Personnel Zip Code, Personnel + 4 Zip Code, Personnel Phone Number (Business), Personnel Phone Number Extension, Personnel Fax Number, Personnel Email
9.4.4	RQMT_636		Generate Facility Personnel report outside of user scope	The System shall provide a mechanism that allows the end user the ability to generate a Facility Personnel report for facilities within and outside the user scope. For facilities that are outside the user scope, the report shall show only non-PII data: ~ Facility Demographic Information Facility CCN (KDDRQMT_11) CROWN FAC ID (KDDRQMT_1) NPI (KDDRQMT_12) Network Facility Code (KDDRQMT_13) Org Facility Code (KDDRQMT_14) Network (KDDRQMT_10) Facility Phone (KDDRQMT_45) Facility Fax (KDDRQMT_48) Facility Email (KDDRQMT_47) Mailing Address (KDDRQMT_39) Mailing Address (KDDRQMT_40) Mailing City (KDDRQMT_41) Physical City (KDDRQMT_5) Mailing State (KDDRQMT_42) Mailing Zip (KDDRQMT_43) Physical State (KDDRQMT_6) Physical Zip (KDDRQMT_7) County (KDDRQMT_9) Primary Contact (KDDRQMT_781) Phone (KDDRQMT_52) E-Mail (KDDRQMT_54) ~ Facility Details Program Type (KDDRQMT_29) Dialysis Facility Type (KDDRQMT_366) Medicare Status (KDDRQMT_11) Date Open (KDDRQMT_32) Date Closed (KDDRQMT_33)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				Effective Date (KDDRQMT_34) Location Type (KDDRQMT_55) Hospital-Based Profit Status (KDDRQMT_31) Hospital Provider # (KDDRQMT_35) Org. Affiliation (KDDRQMT_15) Owned By (KDDRQMT_27) Independent Managed By: Backup Facility #1 DBA (KDDRQMT_18) Backup Facility #2 DBA (KDDRQMT_22) ~ Facility Services and Certification Information Initial Certification Date (KDDRQMT_36) Certification Type (KDDRQMT_65) ~ Transplant and Dialysis Center Certified Number of Stations (KDDRQMT_56) Number of Isolation Stations (KDDRQMT_57) Total Number of Stations Available (KDDRQMT_58) Certified Services Offered (KDDRQMT_59) Other Services Offered (KDDRQMT_60) Facility Hours of Operation (KDDRQMT_61-64)
9.4.5	RQMT_650		Generate Portion of Facility Personnel Report	The System shall provide a mechanism that allows the end user to generate a Facility Personnel report that includes only the facility records of the Facility Personnel report for facilities that are within the user's scope.

9.5 Patient Roster Report

#	Rqmt ID	Old BR ID	BR Title	Requirement
9.5.1	RQMT_441	BR 23.1.1	Network users to generate list of Patients	The System shall provide a mechanism that allows end users to generate a list of all patients present at the selected facilities within the user’s scope as of a specific date or within a specified date range.
9.5.2	RQMT_442	BR 23.1.2	Sort Ability	The System shall provide a mechanism that allows end users to sort the Patient Roster Report by Treatment Setting, Treatment Type, Patient Name (last, first, middle initial), or Patient CROWN ID
9.5.3	RQMT_443	BR 23.1.3	Enter Date and	The System shall provide a mechanism that allows end users to select a start and

#	Rqmt ID	Old BR ID	BR Title	Requirement
			Tolerance Factor	end date range and a tolerance factor for the Patient Roster report.
9.5.4	RQMT_444	BR 23.1.4	Exclude Patient Address and/ Phone No.	The System shall provide a mechanism that allows end users to optionally include or exclude the patient's address and telephone number from the Patient Roster report.
9.5.5	RQMT_445	BR 23.1.5	Report Content	The System shall provide a mechanism that allows the end user to include the following fields on the Patient Roster report: Report Header ~ Provider/Facility Info: Provider DBA Name (KDDRQMT_37) Facility Unique ID (KDDRQMT_1) Org Affiliation (KDDRQMT_15) Org Facility Code (KDDRQMT_14) ~ # Patient records in report and report parameters (end users selections) Report body ~ Alerts (for missing data elements on Patient record): SSN (KDDRQMT_120) HIC (KDDRQMT_117) Race (KDDRQMT_131) Ethnicity (KDDRQMT_129) Primary Diagnosis (KDDRQMT_216) ~ Patient Information: Unique Patient Identifier (KDDRQMT_111) Patient Last Name (KDDRQMT_113) Patient First Name (KDDRQMT_115) Patient Middle Initial (KDDRQMT_116) Patient Sex/Gender (KDDRQMT_118) Patient Date of Birth (KDDRQMT_119) Patient Race (KDDRQMT_131) Patient Ethnicity (KDDRQMT_129) Patient Home Phone number (KDDRQMT_145) Patient mailing address (KDDRQMT_123, KDDRQMT_124, KDDRQMT_125, KDDRQMT_126, KDDRQMT_127) Patient physical address (KDDRQMT_139, KDDRQMT_140, KDDRQMT_141, KDDRQMT_142, KDDRQMT_143, KDDRQMT_144) Patient physical county (KDDRQMT_142)

#	Rqmt ID	Old BR ID	BR Title	Requirement
				~ Admission Details: Admit Date (KDDRQMT_354) Admit Reason (KDDRQMT_355) Transient Reason (KDDRQMT_357) ~ Discharge Details: Discharge Date (KDDRQMT_361) Discharge Reason (KDDRQMT_362 Involuntary Discharge Subcategory (KDDRQMT_363) Transfer Discharge Subcategory (KDDRQMT_364) ~ Treatment Details: Treatment Date (KDDRQMT_365) Primary Type of Treatment (KDDRQMT_367) Primary Dialysis Setting (KDDRQMT_366) # Sessions per week (KDDRQMT_368) # Time per session (KDDRQMT_369 Attending Practitioner Name (KDDRQMT_370) ~ Report Footer End User generated lname, fname, End User generated organization, Date report generated, Page X of Y
9.5.6	RQMT_524	BR 8.0.6	Roster Display	When displaying the Patient Roster report, the System shall also display on every applicable page view of the Patient Roster report the name of the roster and the date of the roster as specified by the user.
9.5.7	RQMT_634		Warning of Max 20 Facilities	The System shall provide a mechanism to display a warning on the user interface wizard for the Patient Roster report indicating that no more than 20 facilities can be selected at once.
9.5.8	RQMT_649		Display a footer	The System shall provide a mechanism to display a footer on the Patient Roster report for facility users indicating that patients that were discharged more than 90 days prior to the generation of the report will be excluded from the report.
9.5.9	RQMT_647		Facility user to generate a list of all patients	The System shall provide facility users the ability to generate a list of all patients present at the selected facilities within the facility user's scope as of a specific date or a specified date range. However, if the Start Date entered is in the past, the

#	Rqmt ID	Old BR ID	BR Title	Requirement
				patient results will be limited to only those patients who have been discharged from the facility within 90 days of the current system date.
9.5.10	RQMT_648		Omit discharge patient from list	The System shall provide a mechanism to omit from the list of patients on the Patient Roster report those patients who were discharged from the selected facilities more than 90 days prior to the current system date, regardless of the entered Start Date.

10 APPENDIX

CRUD Table

Appendix A	User Roles and Permissions Within User Scope Table											
User Role Types	**Facility**				**Network**				**CMS**			**System Administrator**
User Roles / Record Types	1 Facility Viewer	2 Facility Editor	3 Facility Batch	4 Facility Administrator	5 Network Viewer	6 Network Patient Editor	7 Network Facility Editor	8 Network Administrator	9 CMS Viewer	10 CMS Editor	11 CMS Administrator	12 System Administrator
Submitted Facility[7]	R	RU	N/A	R	R	R	CRU*	R	R	CRU	R	CRU
Saved Facility	N/A	N/A	N/A	N/A	R	R	CRUD	R	R	CRUD	R	CRUD
Submitted Facility Personnel	R	CRUD	N/A	R	R	R	CRUD	R	R	CRUD	R	CRUD
Submitted Patient Attributes	R	CRU	N/A	R	R	CRUD*	R	R	R	CRUD	R	CRUD
Submitted Patient Forms [1]	R	CR	N/A	R	R	CR	R	R	R	CRUD	R	CRUD
Saved Patient Forms [1]	R	CRUD	N/A	R	R	CRUD	R	R	R	CRUD	R	CRUD
Submitted Patient Access [2]	R	CRUD	N/A	R	R	CRUD*	R	R	R	CRUD	R	CRUD
Submitted Clinical [3]	R	CRUD	N/A	R	R	CRUD*	R	R	R	CRUD	R	CRUD
User Scope Management	N/A	N/A	N/A	CRUD	N/A	N/A	N/A	CRUD	N/A	N/A	CRUD	CRUD
Metadata (e.g. Audits/Logs)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R	R
Batch Functionality [4]	N/A	N/A	CRUD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R	CRUD
Gap Patients[5]	N/A	N/A	N/A	N/A	R	RUD*	N/A	R	R	RUD	R	RUD
PART Dataset[6]	R	RU	N/A	R	R	RUD	R	R	R	RUD	R	RUD
Out-of-Scope Privacy Warning[8]	N/A	N/A	N/A	N/A	R	R	R	R	R	R	R	R

See CRUD Definitions for acronyms

* Can only Delete those facilities, patients, or admits/discharges with no dependencies (e.g. facility has no patients assigned to it or patient has no forms)

[1] Forms represent 2728 and 2746 forms for a patient

[2] Patient Access represents Admission, Transient-Status, and Discharge records for a patient

[3] Clinical represents Lab Data and Treatment records for a patient

[4] Note that Patient Attributes as defined in the Batch Specifications will be Created and Updated as part of the Batch processing
The Batch entries in this matrix are meant to represent the Facility Batch Role will be limited to the Batch upload functionality and screens.

[5] Gap Patients are defined as those patients that have been discharged from all facilities but are not deceased.

[6] The PART dataset includes data that are required on a regular basis in order to maintain the ESRD Patient Registry (e.g. patient address, facility, etc.).

[7] Deletion of submitted records will be handled on the back end process instead of through the CROWNWeb UI.

[8] Message displays from the CROWNWeb Login Page

FF Summary Report

BR14 ESRD Fistula First Measures Summary

Facility comparison to Network and National results for period ending December 2005
Facility X (CCN #) - # Patient Records Found

ESRD FISTULA FIRST MEASURES SUMMARY

National, Network and Facility Data for Fistula First Breakthrough Initiative
December 2005

Use this tool to compare your facility outcomes to National and Network data

FISTULA FIRST	Facility "F"	ESRD Network "N"	National
Number of Prevalent HD Patients: Number of all home or in-center hemodialysis patients as of the last day of the specified reporting period (not including transient patients)	#	#	#
Vascular Access Type in Use for Prevalent Patients: 1. Percentage of patients in which access type in use was AVF	%	%	%
2. Percentage of patients in which access type in use was AVG	%	%	%
3. Percentage of patients in which access type in use was CVC	%	%	%
4. Percentage of patients in which access type in use was Other	%	%	%
5. Percentage of patients in which access type in use was Missing	%	%	%
AV Fistulas Placed - Prevalent Patients: 6. Percentage of prevalent patients for which an AV Fistula was in place	%	%	%
Number of Incident HD Patients: Number of home or in-center hemodialysis patients who received their first ever ESRD treatment during the calendar month of the reporting period end date	#	#	#
Vascular Access Type in Use for Incident Patients: 1. Percentage of incident patients in which access type was AVF	%	%	%
2. Percentage of incident patients in which access type was AVG	%	%	%
3. Percentage of incident patients in which access type was Catheter	%	%	%
4. Percentage of incident patients in which access type was Other	%	%	%
5. Percentage of incident patients in which access type was Missing	%	%	%
AV Fistulas Placed - Incident Patients: 6. Percentage of incident patients for which an AV Fistula was in place	%	%	%

Report requested by:
User Last Name, User First Name

Report requested on:
dd/mm/yyyy hh:mm

HD Summary Report

Facility comparison to State, Network and National results for Study Period ending Month Year
Facility: X (CCN #)

ESRD CLINICAL PERFORMANCE MEASURES SUMMARY

Facility, State, Network and National Data for Hemodialysis Patients
Study Period: Month Year - Month Year
Use this tool to compare your Facility Outcomes to State, Network, and National data

	Facility "F"		State		ESRD Network "N"		National	
ADEQUACY - HEMODIALYSIS (HD)	%	#	%	#	%	#	%	#
CPM I: Monthly Measurement of Delivered HD Dose: Percentage of all adult (>= 18 years old) HD patients in the sample for analyses with documented monthly adequacy measurement (spKt/V) or its components in the calendar month.								
CPM II: Method of Measurement of Delivered HD Dose: Percentage of all adult (>= 18 years old) in-center HD patients in the sample for analyses for whom delivered HD dose was calculated using urea kinetic modeling (UKM) or Daugirdas II during the reporting period and for whom the frequency of HD per week is specified.								
CPM III: Minimum Delivered HD Dose for ESRD HD patients undergoing dialytic treatment for a period of 6 months or greater: Percentage of adult (>= 18 years old) patients in the sample for analysis who have been on HD for 6 months or more and dialyzing thrice weekly whose delivered dose of HD (calculated from the last measurements of the month using UKM or Daugirdas II formula) was a spKt/V >= 1.2 during the reporting period. (Facility Level)								
ANEMIA MANAGEMENT HD	%	#	%	#	%	#	%	#
CPM Ia: Hemoglobin Control for ESA Therapy (HD & PD Combined): Adult (>= 18 years old) HD and PD patients, with ESRD >= 3 months, who have received ESA therapy at any time during a 3 month reporting period **AND** have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								
CPM Ia: Hemoglobin Control for ESA Therapy: Adult (>= 18 years old) HD patients, with ESRD >= 3 months, who have received ESA therapy at any time during the 3 month reporting period **AND** have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								

CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Adult (>= 18 years old) HD and PD patients, with ESRD >= 3 months, who have a mean hemoglobin <10.0 g/dL for a 3 month reporting period, irrespective of ESA use. The hemoglobin value reported for the end of each reporting month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								
CPM Ib: Monitoring Hemoglobin Levels below Target Minimum: Percentage of adult (>= 18 years old) HD patients, with ESRD >= 3 months, who have a mean hemoglobin <10.0 g/dL for a 3 month reporting period, irrespective of ESA usage. The hemoglobin value reported for the end of each reporting month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								
CPM IIa: Assessment of Iron Stores: Percentage of adult (>= 18 years old) HD patients prescribed an ESA any time during the reporting period who have a Hemoglobin <11.0 g/dL in at least one of month of the reporting period for whom serum ferritin concentration **AND** either percent transferrin saturation or reticulocyte Hemoglobin content (CHr) are measured a least once in a three-month period for in-center HD patients and at least twice during a six-month period for home hemodialysis patients. (Facility Level)								
CPM IIb: Maintenance of Iron Stores: Percentage of adult (>= 18 years old) HD patients prescribed an ESA any time during the reporting period or whose last monthly Hgb is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin greater than or equal to 200ng/mL and either TSAT greater than or equal to 20% or CHr greater than or equal to 29 pg during the reporting period.								
CPM III: Administration of Supplemental Iron: Percentage of adult (>= 18 years old) HD patients prescribed an ESA any time during the reporting period or whose last monthly hemoglobin is less than 11.0 g/dL for at least one month of the reporting period with at least one serum ferritin less than 200ng/mL or TSAT less than 20% or CHr less than 29 pg during the reporting period for whom IV Iron is prescribed at any time during the reporting period.								
MINERAL METABOLISM -- HD	%	#	%	#	%	#	%	#
CPM I: Measurement of Serum Phosphorus (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients included in the sample for analysis with serum phosphorous measured once within the month. (Facility Level)								
CPM I: Measurement of Serum Phosphorus: Percentage of adult (>= 18 years old) HD patients included in the sample for analysis with serum phosphorous measured at least once within the month. (Facility Level)								
CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with a mean phosphorous between 3.5 and 5.5 mg/dL.								
CPM II: Evaluation of Serum Phosphorus: Percentage of adult (>= 18 years old) HD patients with a mean phosphorous between 3.5 and 5.5 mg/dL.								

CPM III: Measurement of Appropriately Adjusted Serum Calcium (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with at least one serum calcium measured at least once monthly.								
CPM III: Measurement of Serum Calcium Concentration: Percentage of adult (>= 18 years old) HD patients included in the sample for analysis with serum calcium measured at least once within month.								
CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with mean calcium between 8.4 and 10.2 mg/dL.								
CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Percentage of adult (>= 18 years old) HD patients with mean calcium between 8.4 and 10.2 mg/dL.								
VASCULAR ACCESS -- HD	%	#	%	#	%	#	%	#
CPM I: Maximizing Use of AV Fistula (AVF) in Maintenance Hemodialysis (HD) Patients: Percentage of adult (>= 18 years old) HD patients using AVF with two needles during the last HD treatment of the reporting period end date.								
CPM II: Minimizing Use of Catheters as Chronic HD Access: Percentage of adult (>= 18 years old) HD patients dialyzed continuously with a catheter greater than or equal to 90 days prior to the last HD treatment of the reporting period end date.								
CPM IIIa: Monitoring and Surveillance of AVF and AV Grafts (AVG) for Access Dysfunction through Physical Examination: Percentage of adult (>= 18 years old) HD patients whose AVF or AVG is routinely monitored for dysfunction through physical examination.								
CPM IIIb: Monitoring and Surveillance of AVF and AVG for Access Dysfunction through Pre-pump Arterial Pressure: Percentage of adult (>= 18 years old) HD patients whose AVF or AVG is routinely monitored for dysfunction through measurement of pre-pump arterial pressure.								
CPM IIIc: Routine Surveillance of Grafts for Access Dysfunction: Percentage of adult (>= 18 years old) HD patients with AVG whose graft is routinely surveyed for dysfunction.								
Report requested by: **User Last Name, User First Name**					**Report requested on:** **Mmm dd, yyyy hh:mm:ss AM/PM**		**Page x of y**	
The contents of this report are not considered valid until after the close of the CMS designated reporting period.								

PD Summary Report

Facility comparison to State, Network and National results for Study Period ending Month Year
Facility: X (CCN #)

ESRD CLINICAL PERFORMANCE MEASURES SUMMARY

National, State, Network and Facility Data for Peritoneal Dialysis Patients
Study Period: Month Year - Month Year
Use this tool to compare your Facility Outcomes to State, Network, and National data

	Facility "F"		State		ESRD Network "N"		National	
ADEQUACY - PERITONEAL DIALYSIS (PD)	%	#	%	#	%	#	%	#
CPM I: Measurement of Total Solute Clearance at Regular Intervals: Percentage of adult (>= 18 years old) PD patients with total solute clearance for urea (endogenous residual renal urea clearance & dialytic) measured at least once in a four-month time period. (Facility Level)								
CPM II: Standard calculation of Weekly Kt/V$_{urea}$: Percentage of adult (>= 18 years old) PD patients with weekly Kt/V urea calculated in a standard way.								
CPM III: Delivered Dose of Peritoneal Dialysis Above Minimum of 1.7: Percentage of all adult (>= 18 years old) PD patients whose delivered peritoneal dialysis dose was a weekly Kt/Vurea of at least 1.7 (dialytic+residual) during the four month reporting period. (Facility Level)								
ANEMIA MANAGEMENT	%	#	%	#	%	#	%	#
CPM Ia: Hemoglobin Control for ESA Therapy (HD & PD Combined): Adult (>= 18 years old) HD and PD patients with ESRD >= 3 months, who have received ESA therapy at any time during a 3 month reporting period **AND** have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								
CPM Ia: Hemoglobin Control for ESA Therapy: Adult (>= 18 years old) PD patients with ESRD >= 3 months, who have received ESA therapy at any time during a 3 month reporting period **AND** have achieved a mean hemoglobin of 10.0-12.0 g/dL for the 3 month reporting period. The hemoglobin value reported for the end of each month (end-of-month hemoglobin) is used for the calculation. (Facility Level)								

CPM Ib: Monitoring Hemoglobin Levels Below Target Minimum (HD & PD Combined): Adult (>= 18 years old) HD and PD patients, with ESRD >=3 months, who have a mean Hemoglobin <10.0 g/dL for a 3 month reporting period, irrespective of ESA use. The Hemoglobin value reported for the end of each reporting month (end-of-month) is used for the calculation. (Facility Level)								
CPM Ib: Monitoring Hemoglobin Levels below Target Minimum: Adult (>= 18 years old) PD patients, with ESRD >= 3 months, who have a mean hemoglobin (Hgb) of less 10 g/dL for a 3 month reporting period, irrespective of ESA use. The Hemoglobin value reported for the end of each reporting month (end-of-month) is used for the calculation. (Facility Level)								
CPM IIa: Assessment of Iron Stores: Percentage of all adult (>= 18 years old) PD patients who have prescribed ESA at any time during the reporting period **OR** who have a Hemoglobin <11.0 g/dL for at least one month of the reporting period for whom serum ferritin concentration **AND** either percent transferrin saturation or reticulocyte Hemoglobin content (CHr) are measured at least twice during a six-month period.								
CPM IIb: Maintenance of Iron Stores: Percentage of adult (>= 18 years old) PD patients who have received ESA therapy any time during the reporting period or whose last monthly Hemoglobin is less than 11.0 g/dL for at least one of the two-month periods during the 6-month reporting period with at least one serum ferritin greater than or equal to 100ng/mL and either one TSAT greater than or equal to 20% or one CHr greater than or equal to 29 pg during the reporting period								
CPM III: Administration of Supplemental Iron: Percentage of adult (>= 18 years old) PD patients prescribed an ESA any time during the reporting period or whose last monthly Hemoglobin is less than 11.0 g/dL for at least one of the two-month periods during the 6-month reporting period with at least one serum ferritin less than 100ng/mL or TSAT less than to 20% or CHr less than 29 pg during the reporting period for whom IV Iron was prescribed for any time during the reporting period.								
MINERAL METABOLISM -- PD	%	#	%	#	%	#	%	#
CPM I: Measurement of Serum Phosphorus Concentration (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients included in the sample for analysis with serum calcium measured at least once within month. (Facility Level)								
CPM I: Measurement of Serum Phosphorus Concentration: Percentage of adult (>= 18 years old) PD patients included in the sample for analysis with serum phosphorus measured at least once within month. (Facility Level)								

CPM II: Evaluation of Serum Phosphorus (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients with a mean phosphorous between 3.5 and 5.5 mg/dL. (Facility Level)				
CPM II: Evaluation of Serum Phosphorus: Percentage of adult (>= 18 years old) PD patients with a mean phosphorous between 3.5 and 5.5 mg/dL.				
CPM III: Measurement of Serum Calcium Concentration (HD & PD Combined): Percentage of adult (>= 18 years old) HD and PD patients included in the sample with serum calcium measured once within a month.				
CPM III: Measurement of Serum Calcium Concentration: Percentage of adult (>= 18 years old) PD patients included in the sample for analysis with serum calcium measured once within a month.				
CPM IV: Evaluation of Appropriately Adjusted Serum Calcium (HD & PD Combined): Percentage of adult HD and PD patients with mean calcium between 8.4 and 10.2 mg/dL.				
CPM IV: Evaluation of Appropriately Adjusted Serum Calcium: Percentage of adult PD patients with mean calcium between 8.4 and 10.2 mg/dL.				
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