

End Stage Renal Disease Population Public Use File

Summary

The End Stage Renal Disease (ESRD) Population Public Use File (PUF) contains the current and historical ESRD patient population and associated clinical data for both Medicare and non-Medicare patients. The purpose of this new PUF is to provide the renal research community, providers, and other interested stakeholders access to a robust dataset free of Protected Health Information (PHI) and Personally Identifiable Information (PII) to support research on ESRD, which ultimately benefits patient care and positive outcomes in dialysis facilities. This de-identified patient-level dataset is a first for the Centers for Medicare & Medicaid Services (CMS) ESRD Program.

Scope

The ESRD Population PUF includes ESRD patient data from 1973 to present and ESRD patient clinical data from 2012 to present. Patient and clinical data associated with transient admissions and acute discharges are excluded from this PUF. The ESRD Population PUF consists of 16 tables in Comma-Separated Value (CSV) file format as follows:

- Patient Data Table
- Form 2728 Table
- Admit Treatment Table
- 13 Clinical Measure Tables

The ESRD patient population is selected and extracted from the CMS Renal Management Information System (REMIS), which contains all ESRD dialysis and transplant patients. The CMS Consolidated Renal Operations in Web-Enabled Network (CROWNWeb) system is the source of clinical data/measures extracts and supporting patient data. Together, REMIS and CROWNWeb comprise the congressionally-mandated System of Record (SOR) for all ESRD Patients in the U.S. both Medicare-entitled and non-Medicare [SOR #09-70-0520]. A complete list of the PUF data elements is included in the supporting document “ESRD Population PUF Data Descriptions”. The PUF data and supporting “Technical Fact Sheet” will be updated quarterly and posted on the cms.gov website, here:

<https://www.cms.gov/Medicare/End-Stage-Renal-Disease/ESRDGeneralInformation/Data.html>.

De-identified Data

Patient data elements with PHI/PII have been de-identified in adherence with the Health Insurance Portability and Accountability Act (HIPAA) of 1996 Privacy Rule “Safe Harbor” guidelines (45 C.F.R. § 164.514(b)(2)) and meet the security and privacy criteria set forth by the CMS Office of Information Technology (OIT) Privacy Office.

All dates used in the files are “relative dates” which are calculated as elapsed days from the year the patient entered the ESRD Program. The PUF will not include any elements of dates except for the year.