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BACKGROUND

Mortality Rates in End Stage Renal Disease (ESRD) are high — roughly 1 in 4 incident, ESRD patients die within the first year. The Performance Excellence in Kidney Care (PEAK) Campaign (www.kidneycarequality.org), along with other quality improvement initiatives was instituted to reduce this rate.

OBJECTIVES

To examine trends in ESRD mortality (1-year) and to characterize ESRD Network-level differences in mortality after adjusting for Network-level differences in the characteristics of incident patients

METHODS

Data Sources

- We used data from the Renal Information Management System (REMIS) that provides information on the characteristics (demographic and clinical) of ALL incident ESRD patients each year
- Data is received in real time and updated each quarter
- We merged REMIS data with data on dates of death from the Social Security Master Death File

Outcome Measures

1-year and 90-day mortality

□ Analytic Approach

- All patients who started dialysis in the first quarter of the year were followed for 90 days or 1 year from their first day of dialysis.
- Plot 1-year survival curve
- 1-year mortality per person-year
- Calculate Network-level differences in mortality after adjusting for differences in the following patient characteristics: at the time of initiating dialysis
- Age (polynomial), race, gender, albumin>3.5, hemoglobin>10, creatinine, previous care by a nephrologist, whether a maturing fistula present, and whether diabetes is listed as primary cause

One Year Mortality in End Stage Renal Disease: Documenting PEAK Progress and Recent Trends

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