

## APPENDIX

### Appendix 1. Methods for 1-year look back for claims data for comorbid conditions.

Comorbid Condition	2728 Form	ICD-9
Cancer	Malignant neoplasm, Cancer	185.X, 193.X, 140.0 to 209.0
Hypertension	History of hypertension	401.9
Diabetes	Diabetes, currently on insulin Diabetes, on oral medications Diabetes, without medications Diabetic retinopathy	250.00 to 250.93
Peripheral Vascular Disease	Peripheral Vascular Disease	443.0, 443.00:443.89
Stroke/Transient Ischemic Attack	Cerebrovascular disease, CVA, TIA	430.XX to 438.XX, 430.0 to 438.0
Atherosclerotic Heart Disease	Atherosclerotic Heart Disease ASHD	414.X, 414.0, 414.00, 414.01
Congestive Heart Failure	Congestive Heart Failure	428.0, 428.1, 428.9, 428.20 to 428.43
Chronic Obstructive Pulmonary Disease	Chronic Obstructive Pulmonary Disease	491.20 to 491.22
Drug Dependence	Drug Dependence	
Alcohol Dependence	Alcohol Dependence	303.00 to 303.03, 303.9, 303.90 to 303.93
Tobacco Use	Tobacco Use (current smoker)	305.1
Inability to Ambulate	Inability to Ambulate	719.7
Institutionalized	Institutionalized: -Assisted living -Nursing home -other institution	Any claim in a nursing home or skilled nursing facility
Activities of Daily Living Assistance	Needs assistance with daily activities	hospice or V604

For all 356,668 HD patients in the analytic cohort, we performed a 1-year look back in their Medicare Part A and B claims to supplement the comorbidity data from the 2728 form. Participants with the following ICD-9 code claims within 1 year prior to the start date of hemodialysis were considered to have the conditions listed above. We considered either a report on the 2728 form or an ICD-9 code in the year prior to hemodialysis initiation as the presence of the comorbid condition.

Appendix 2.

Characteristic (%)	Age≤75	Age>75 and older
<b>Female</b>	47	46
<b>Race</b>		
White	70	79
Black	25	17
Other/Unknown	5	5
<b>Hispanic Ethnicity</b>	11	8
<b>Employment Status</b>		
Retired	67	81
Employed	2	1
Unemployed	10	7
Other	20	11
<b>Cause of ESKD</b>		
Glomerular diseases	6	5
Diabetes	52	36
Hypertension	28	43
Other causes	15	16
<b>Body mass index (kg/m<sup>2</sup>)</b>		
<18.5	3	5
18.5-25.0	31	42
25.0-30.0	30	31
≥30.0	36	22
<b>Body mass index (kg/m<sup>2</sup>), Mean (SD)</b>	28.6 (6.9)	26.3 (5.8)
<b>eGFR ≥15 (mL/min/1.73 m<sup>2</sup>)</b>	11	12
<b>eGFR, Mean (SD)</b>	9.5 (4.5)	9.7 (4.5)
<b>Cancer</b>	13	16
<b>Hypertension</b>	91	90
<b>Diabetes</b>	68	53
<b>Peripheral Vascular Disease</b>	19	19
<b>Stroke/Transient Ischemic Attack</b>	15	14
<b>Atherosclerotic Heart Disease</b>	44	48
<b>Congestive Heart Failure</b>	39	44
<b>Chronic Obstructive Pulmonary Disease</b>	13	12
<b>Drug Dependence</b>	0.2	<0.1
<b>Alcohol Dependence</b>	1.5	0.6
<b>Tobacco Use</b>	10	5
<b>Inability to Ambulate</b>	9	10
<b>Institutionalized</b>	12	18
<b>Activities of Daily Living Assistance</b>	25	32
<b>Year of Hemodialysis Initiation</b>		
2001-2004	33	32
2005-2007	23	25
2008-2010	22	23