

Codebook
ICD PIECES trial
NCT02587936

Dataset name:	study
Dataset size:	4.3 Mb
Column count:	43
Row count:	11,000
Updated date:	2024-06-18

Description:

Dataset codebook for the primary analysis in the ICD PIECES clinical trial.

Column Attributes:

1	Column name:	StudyID
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Column description:	Participant's study identification number
Source information:	Administrative data
Data type:	Character
Unique non-missing value count:	10,999
Missing value count:	0

2	Column name:	start_dt
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Column description:	Participant's study date of study entry
Source information:	Administrative data
Column type:	Time
Data type:	Date
Unique non-missing value count:	993
Missing value count:	0

3	Column name:	Censor_date
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Column description:	Participant's censor date for interim analyses
Source information:	Administrative data

Data type: Character
 Unique non-missing value count: 493
 Missing value count: 0

4 Column name: Arm

Column description: Participant's Arm assignment based on clinic or provider randomization
 Source information: Administrative data
 Data type: Character
 Unique non-missing value count: 2
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
ICD-Pieces	5,508	5,508	50.07
Usual Care	5,492	11,000	49.93

5 Column name: Location

Column description: Health care system strata
 Source information: Administrative data
 Data type: Character
 Unique non-missing value count: 4
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
PHHS	2,860	2,860	26.00
ProHealth	3,865	6,725	35.14
THR	2,821	9,546	25.65
VA	1,454	11,000	13.22

6 Column name: HospY<365d

Column description: Hospitalization within 365 days of enrollment
 Source information: Administrative data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
N	8,701	8,701	79.10
Y	2,299	11,000	20.90

7 Column name: Hosp_date

Column description: date of hospitalization first captured hospitalization

Source information: Administrative data

Data type: Character

Unique non-missing value count: 1,117

Missing value count: 7,985

8 Column name: DialysisYN

Column description: Dialysis coded inpatient stay within 365 days of enrollment

Source information: Administrative data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
N	10,931	10,931	99.37
Y	69	11,000	0.63

9 Column name: Dial_date

Column description: Dialysis documentation date

Source information: Administrative data

Data type: Date

Unique non-missing value count: 129

Missing value count: 10,863

10	Column name:	DeathYN
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Column description: Death based on available data

Source information: Administrative data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
N	10,023	10,023	91.12
Y	977	11,000	8.88

11	Column name:	Death_date
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Column description: Death date based on available data

Source information: Administrative data

Data type: Date

Unique non-missing value count: 712

Missing value count: 10,023

12	Column name:	Death_1yr
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Column description: Death within 365 days based on available data

Source information: Administrative data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
N	10,723	10,723	97.48
Y	277	11,000	2.52

13	Column name:	pcp_id
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Column description: PCP or clinic administrative ID

Source information: Administrative data

Data type: Character

Unique non-missing value count: 143

Missing value count: 0

14 Column name: Age

Column description: Age at enrollment (years)

Source information: Administrative data

Data type: Numeric

Unique non-missing value count: 1,089

Missing value count: 0

Min	Mean	Median	Max	SD
19.00	68.22	70.00	85.97	10.41

15 Column name: Sex

Column description: Sex as reported in EHR data

Source information: Administrative data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
FEMALE	5,091	5,091	46.28
MALE	5,909	11,000	53.72

16 Column name: Race

Column description: Primary Race as reported in EHR data

Source information: Administrative data

Data type: Character

Unique non-missing value count: 5

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
Asian	238	238	2.16
Black or African American	2,247	2,485	20.43
Other	82	2,567	0.75
Unknown	372	2,939	3.38
White	8,061	11,000	73.28

17 Column name: Ethnicity

Column description: Primary Ethnicity as reported in EHR data

Source information: Administrative data

Data type: Character

Unique non-missing value count: 3

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
Hispanic or Latino	2,073	2,073	18.85
Not Hispanic or Latino	7,952	10,025	72.29
Unknown	975	11,000	8.86

18 Column name: Complete

Column description: Study completion status

Source information: Administrative data

Data type: Numeric

Unique non-missing value count: 1

Missing value count: 92

19 Column name: observation_flag

Column description: Visit flagged as observation stay in administrative data within one year of enrollment

Source information: Administrative data
 Data type: Numeric
 Unique non-missing value count: 2
 Missing value count: 8,838

Categories	Frequency	Cumulative Frequency	Percent
0	1,350	1,350	12.27
1	812	2,162	7.38
Missing	8,838	11,000	80.35

20 Column name: Admit_Date_Observation

Column description: Visit date for visit flagged as observation stay in administrative data within one year of enrollment
 Source information: Administrative data
 Data type: Date
 Unique non-missing value count: 565
 Missing value count: 10,188

21 Column name: egfr_val

Column description: estimated Glomerular Filtration rate on or most recent at time of enrollment
 Source information: EHR data
 Data type: Character
 Unique non-missing value count: 6
 Missing value count: 1,809

Categories	Frequency	Cumulative Frequency	Percent
0 to < 15	35	35	0.32
15 to < 30	589	624	5.35
30 to < 45	2,041	2,665	18.55
45 to < 60	3,534	6,199	32.13
>= 60	2,689	8,888	24.45
Unknown	303	9,191	2.75

Missing	1,809	11,000	16.45
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22	Column name:	CAD
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Column description:	Coronary artery Disease by Problem list at most recent at time of enrollment
Source information:	EHR data
Data type:	Numeric
Unique non-missing value count:	2
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
0	10,006	10,006	90.96
1	994	11,000	9.04

23	Column name:	CHF
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Column description:	Congestive Heart Failure by Problem list at most recent at time of enrollment
Source information:	EHR data
Data type:	Numeric
Unique non-missing value count:	2
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
0	9,925	9,925	90.23
1	1,075	11,000	9.77

24	Column name:	Age_adj_Charlson
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Column description:	Age adjusted Charlson Morbidity Index by ICD10CM by Problem list at most recent at time of enrollment
Source information:	EHR data
Data type:	Character
Unique non-missing value count:	3
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
Mild	2,323	2,323	21.12
Moderate	4,182	6,505	38.02
Severe	4,495	11,000	40.86

25	Column name:	ED_Visit
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Column description: ED visit documented within 365 days of enrollment

Source information: EHR data

Data type: Character

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
No	8,422	8,422	76.56
Yes	2,578	11,000	23.44

26	Column name:	CV_procedure
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Column description: prespecified Cardiovascular procedure by ICD10PCS codes within 365 days of enrollment

Source information: EHR data

Data type: Numeric

Unique non-missing value count: 2

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
0	10,797	10,797	98.15
1	203	11,000	1.85

27	Column name:	Transplantation
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Column description: Renal Transplantation by ICD10PCS codes within 365 days of enrollment

Source information: EHR data

Data type: Numeric

Unique non-missing value count: 2
 Missing value count: 1,093

Categories	Frequency	Cumulative Frequency	Percent
0	9,902	9,902	90.02
1	5	9,907	0.05
Missing	1,093	11,000	9.94

28	Column name:	CV_Event
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Column description: Cardiovascular event by ICD10PCS or ICD10CM codes within 365 days of enrollment
 Source information: EHR data
 Data type: Numeric
 Unique non-missing value count: 2
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
0	8,915	8,915	81.05
1	2,085	11,000	18.95

29	Column name:	30-Day.Readmissions
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Column description: 30-Day.Readmission occurrence from first inpatient event within 365 days of enrollment
 Source information: EHR data
 Data type: Character
 Unique non-missing value count: 2
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
No	10,138	10,138	92.16
Yes	862	11,000	7.84

30	Column name:	HbA1C_val
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Column description:	HgbA1c numeric value most recent at time of enrollment			
Source information:	EHR data			
Data type:	Numeric			
Unique non-missing value count:	157			
Missing value count:	896			
Min	Mean	Median	Max	SD
4.00	7.57	7.10	97.90	2.12

31	Column name:	HbA1C_category		
Column description:	HgbA1c category at most recent at time of enrollment			
Source information:	EHR data			
Data type:	Character			
Unique non-missing value count:	4			
Missing value count:	0			
Categories	Frequency	Cumulative Frequency	Percent	
<=7.5	6,140	6,140	55.82	
>7.5 & <=8.5	1,862	8,002	16.93	
>8.5	2,102	10,104	19.11	
Unknown	896	11,000	8.15	

32	Column name:	dbp		
Column description:	Diastolic blood pressure(mmHg) EHR most recent value at time of enrollment			
Source information:	EHR data			
Data type:	Numeric			
Unique non-missing value count:	92			
Missing value count:	1,776			
Min	Mean	Median	Max	SD
2.00	75.64	76.00	160.00	11.22

33	Column name:	DBP_category
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Column description: Diastolic blood pressure category at time of enrollment

Source information: EHR data

Column type: Categorical

Data type: Character

Unique non-missing value count: 4

Missing value count: 183

Categories	Frequency	Cumulative Frequency	Percent
<=90	8,542	8,542	77.65
>100	125	8,667	1.14
>90 & <=100	557	9,224	5.06
Unknown	1,593	10,817	14.48
Missing	183	11,000	1.66

34	Column name:	sbp
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Column description: Systolic blood pressure(mmHg) EHR most recent value at time of enrollment

Source information: EHR data

Column type: Numerical

Data type: Numeric

Unique non-missing value count: 140

Missing value count: 1,776

Min	Mean	Median	Max	SD
62.00	134.23	132.00	240.00	18.53

35	Column name:	SBP_category
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Column description: Systolic blood pressure category at time of enrollment

Source information: EHR data

Column type: Categorical

Data type: Character

Unique non-missing value count: 4
 Missing value count: 183

Categories	Frequency	Cumulative Frequency	Percent
<=140	6,522	6,522	59.29
>140 & <=160	1,951	8,473	17.74
>160	751	9,224	6.83
Unknown	1,593	10,817	14.48
Missing	183	11,000	1.66

36	Column name:	Proteinuria_test
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Column description: Proteinuria test name category at time of enrollment
 Source information: EHR data
 Column type: Character
 Data type: Character
 Unique non-missing value count: 15
 Missing value count: 4,695

37	Column name:	Proteinuria_val
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Column description: Proteinuria value at time of enrollment
 Source information: EHR data
 Column type: Numerical
 Data type: Numeric
 Unique non-missing value count: 1,469
 Missing value count: 5,901

Min	Mean	Median	Max	SD
0.04	252.33	47.00	12760.00	645.79

38	Column name:	Proteinuria_val_cat
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Column description: Proteinuria value category at time of enrollment
 Source information: EHR data

Column type: Categorical
 Data type: Character
 Unique non-missing value count: 4
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
< 30 (mg/mmol)	1,770	1,770	16.09
>= 30 and < 300 (mg/mmol)	2,295	4,065	20.86
>= 300 (mg/mmol)	1,034	5,099	9.40
Unknown	5,901	11,000	53.65

39 Column name: Proteinuria_cat

Column description: Proteinuria group category at time of enrollment
 Source information: EHR data
 Column type: Categorical
 Data type: Character
 Unique non-missing value count: 3
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
No	1,431	1,431	13.01
Unknown	5,884	7,315	53.49
Yes	3,685	11,000	33.50

40 Column name: SAE_yr

Column description: Serious Adverse Event by ICD10CM within one year
 Source information: EHR data
 Column type: Categorical
 Data type: Logical
 Unique non-missing value count: 2
 Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
FALSE	8,584	8,584	78.04
TRUE	2,416	11,000	21.96

41	Column name:	Hosp_delta
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Column description: days from enrollment to first hospitalization

Source information: EHR data

Column type: Numerical

Data type: Numeric

Unique non-missing value count: 801

Missing value count: 7,985

Min	Mean	Median	Max	SD
0.00	265.59	194.00	1427.00	250.96

42	Column name:	Dial_delta
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Column description: days from enrollment to first Dialysis by ICD10CM coded

Source information: EHR data

Column type: Numerical

Data type: Numeric

Unique non-missing value count: 126

Missing value count: 10,863

Min	Mean	Median	Max	SD
0.00	467.93	348.00	1258.00	339.35

43	Column name:	Death_delta
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Column description: days from enrollment to Death

Source information: EHR data

Column type: Numerical

Data type: Numeric

Unique non-missing value count: 703

Missing value count: 10,023

Min	Mean	Median	Max	SD
9.00	648.72	621.00	1717.00	378.84
