

Chronic Kidney Disease Diagnosed Earlier, Especially in Black Patients

Team A: Kersten Bartelt, RN; Alex Piff

Team B: Sam Butler, MD; Brendan Joyce

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Key Findings:

- Chronic kidney disease (CKD) was diagnosed earlier and at less severe stages in 2021 and 2022 compared to 2018 as evidenced by higher average initial eGFR at CKD diagnosis.
- The average eGFR at initial diagnosis in Black patients increased from 52.3 mL/min in 2018 to 55.2 mL/min in 2022.

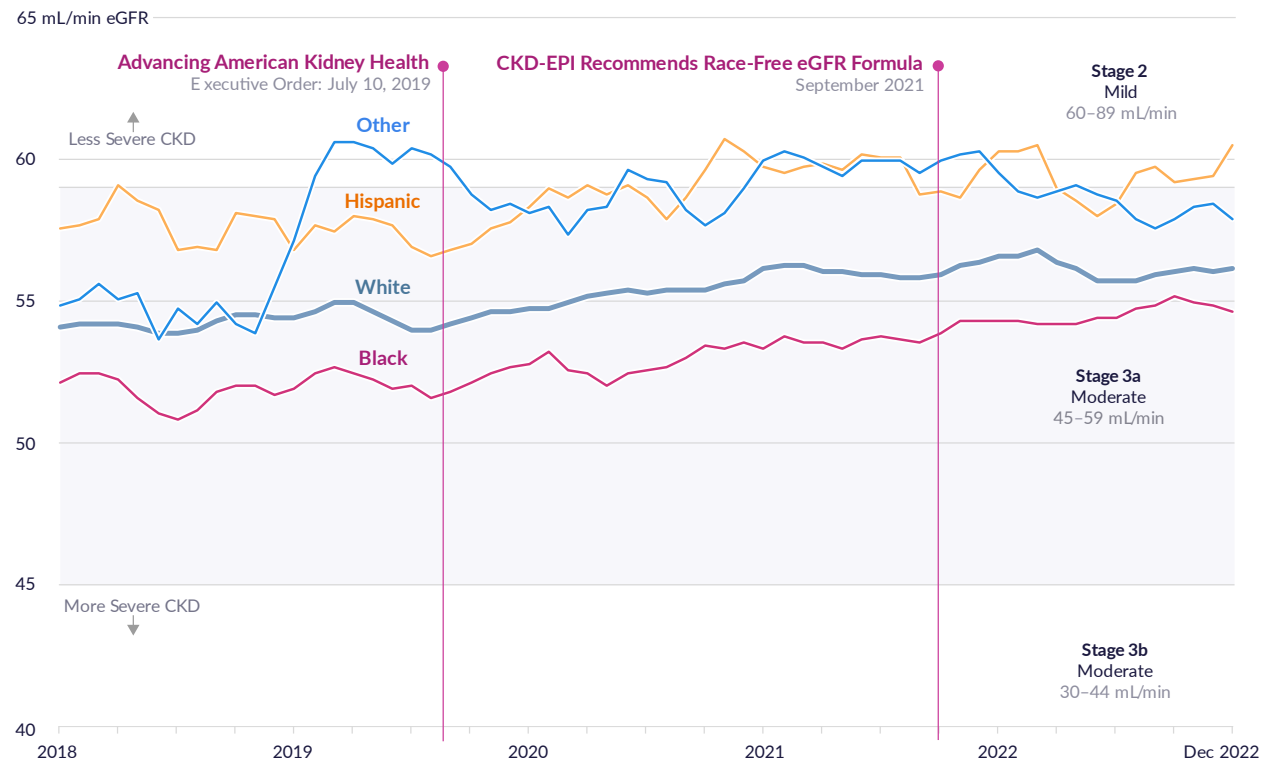
In July 2019, President Trump signed an executive order to improve kidney health by incentivizing preventative care, education strategies, payment models, and interventions.¹ Additionally, in September 2021, a joint task force made up of members from the National Kidney Foundation and American Society of Nephrology (CKD-EPI) announced a race-free calculation of eGFR. Previously, calculations for eGFR often included a variable for race that resulted in higher eGFR values for Black patients. Higher eGFR values typically indicate that the kidneys are functioning well. Consequently, fewer Black patients were diagnosed with chronic kidney disease (CKD) or diagnosed with less severe cases of CKD as staging of CKD is largely dependent on eGFR values.² Some organizations, however, implemented race-free eGFR calculations much earlier than 2021, some as early as 2017.³

To better understand whether changes in eGFR calculations might be correlated with changes in CKD diagnosis, we studied 472,634 patients diagnosed with initial CKD of at least stage 2 from January 1, 2018, to December 31, 2022, to determine the average eGFR at initial diagnosis of CKD and whether that has changed over time.

Using serum creatinine values, we calculated the race-free eGFR at time of initial diagnosis for each patient and determined the average eGFR at initial diagnosis for all patients by race or ethnicity per month. We found that the average eGFR at initial CKD diagnosis has risen from an average of 53.7 mL/min in January 2018 to 55.9 mL/min in December 2022. This increase suggests that patients are likely being diagnosed earlier than in previous years. Increases in average eGFR at diagnosis are seen across all races and ethnicities.

Average eGFR at CKD Diagnosis by Race and Ethnicity

n=472,634



"Average eGFR at CKD Diagnosis by Race and Ethnicity," 2023. EpicResearch.org

Figure 1. Three-month rolling average eGFR at initial diagnosis of CKD by month from January 2018 through December 2022 stratified by patient race and ethnicity.

These findings suggest that initiatives from the executive order as well as the adoption of the race-free eGFR might be correlated with earlier diagnosis of CKD, helping to reduce the previous disparities seen between Black patients and other racial and ethnic groups in CKD diagnosis.

These data come from Cosmos, a HIPAA-defined Limited Data Set of more than 185 million patients from 200 Epic organizations including 1,147 hospitals and over 25,000 clinics, serving patients in all 50 states and Lebanon. This study was completed by two teams that worked independently, each composed of a clinician and research scientists. The two teams came to similar conclusions.

References

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3. Zoler, ML. Dropping Race-Based eGFR Adjustment Gains Traction in US. *Medscape*. [Dropping Race-Based eGFR Adjustment Gains Traction in US \(medscape.com\)](https://www.medscape.com/viewarticle/978453). Accessed on April 17, 2023.

Data Definitions

Term	Definition
Study population	Patients aged 18 or older with a kidney insufficiency event between January 1, 2018 and December 31, 2022 who did not have a diagnosis of HIV (ICD-10-CM B20*, Z71.7*, or Z21*), dialysis (ICD-10-CM Z49*, Z91.15*, Z99.2*), or kidney transplant (ICD-10-CM Z94.0*)
Creatinine lab	Any lab related to the LOINC Code 2160-0 with a lab value between .1mg/dL and 23mg/dL (.01st percentile and 99.99th percentile).
eGFR	Calculated from the creatinine lab value using the equation defined here: https://www.kidney.org/content/ckd-epi-creatinine-equation-2021
Kidney insufficiency event	A given event is represented by the first time a patient has a calculated eGFR less than 75 mL/min where: • There are no eGFR readings >75 mL/min in the next 90 days • There are at least 2 other eGFR readings in the next 90 days • There are at least 30 days between the first and last eGFR readings • There is at least 1 eGFR reading below 60 in the next 90 days There is at least 1 encounter in the prior year
Chronic kidney disease diagnosis associated with an event	An encounter or billing diagnosis within the 75 days prior or 90 days following a kidney insufficiency event with an ICD-10-CM codes below: • CKD 1: <i>Excluded</i> • CKD 2: N18.2* • CKD 3: N18.3* • CKD 4: N18.4* • CKD 5: N18.5* • CKD 6: N18.6*

Table 1a: Demographic Breakdowns

Group	Subgroup	Number of Patients	Percentage of Patients
Overall	Overall	472,746	100.00%
Sex	Female	255,115	53.96%
	Male	217,631	46.04%
Race/Ethnicity	White	359,768	76.10%
	Black	73,525	15.55%
	Hispanic or Latino	18,248	3.86%
	Other	21,205	4.49%
Age Group	18-35	4,566	0.97%
	36-50	22,281	4.71%
	51-64	89,813	19.00%
	65-79	226,971	48.01%

	80+	129,115	27.31%
Kidney Event Start Year	2018	71,847	15.20%
	2019	90,525	19.15%
	2020	80,598	17.05%
	2021	110,051	23.28%
	2022	111,149	23.51%
	2023	8,576	1.81%
SVI Quartile	[0,.25]	97,065	20.53%
	[.25,.5]	112,370	23.77%
	[.5,.75]	121,122	25.62%
	[.75,1]	136,299	28.83%
	Unknown	5,890	1.25%
Census Region	Midwest	182,566	38.62%
	Northeast	86,557	18.31%
	South	163,247	34.53%
	West	40,376	8.54%
Other Conditions	Neither	47,732	10.10%
	Diabetes	16,093	3.40%
	Hypertension	207,802	43.96%
	Both	201,119	42.54%
Initial EGFR Group	Normal	54,875	11.61%
	Early-Stage Kidney Disease	101,487	21.47%
	Kidney Insufficiency	315,126	66.66%
	Kidney Failure	1,258	0.27%

Table 1b: Initial eGFR Levels of Patients at CKD Diagnosis

Group	Subgroup	Average Initial eGFR	StdDev Initial eGFR	Initial eGFR SMD
Overall	Overall	55.284	16.499	0
Sex	Female	53.716	16.565	-0.208
	Male	57.123	16.229	0
Race/Ethnicity	White	55.344	16.033	0
	Black	53.185	17.02	-0.131
	Hispanic or Latino	58.783	19.587	0.192
	Other	58.543	18.351	0.186
Age Group	18-35	75.123	27.983	0.665
	36-50	65.33	20.596	0.301
	51-64	59.562	17.64	0
	65-79	55.063	15.254	-0.273
	80+	50.264	14.176	-0.581

Kidney Event Start Year	2018	53.942	17.048	-0.029
	2019	54.441	16.858	0
	2020	55.198	16.509	0.045
	2021	56.034	16.1	0.097
	2022	56.105	16.161	0.101
	2023	55.989	16.103	0.094
SVI Quartile	[0,.25]	55.88	15.581	0.034
	[.25,.5]	55.697	16.155	0.023
	[.5,.75]	55.327	16.618	0
	[.75,1]	54.645	17.214	-0.04
	Unknown	51.523	17.333	-0.224
Census Region	Midwest	56.705	16.228	0
	Northeast	54.111	16.257	-0.16
	South	53.881	16.591	-0.172
	West	57.052	17.141	0.021
Other Conditions	Neither	59.447	16.869	0
	Diabetes	57.483	19.265	-0.108
	Hypertension	54.857	15.574	-0.283
	Both	54.562	16.936	-0.289
Initial EGFR Group	Normal	87.064	10.035	4.169
	Early-Stage Kidney Disease	65.877	4.223	2.655
	Kidney Insufficiency	46.513	9.409	0
	Kidney Failure	11.666	2.669	-5.039

Table 1c: Lowest eGFR readings for patients within the year prior to CKD Diagnosis

Group	Subgroup	Average Lowest eGFR	StdDev Lowest eGFR	Lowest eGFR SMD
Overall	Overall	48.504	15.348	0
Sex	Female	47.051	15.348	-0.207
	Male	50.208	15.172	0
Race/Ethnicity	White	48.628	14.936	0
	Black	46.12	15.44	-0.165
	Hispanic or Latino	51.17	18.303	0.152
	Other	52.376	17.643	0.229
Age Group	18-35	64.697	26.169	0.587
	36-50	56.617	19.346	0.266
	51-64	51.803	16.7	0
	65-79	48.582	14.349	-0.207
	80+	44.101	13.045	-0.514
	2018	47.005	15.829	-0.047

Kidney Event Start Year	2019	47.744	15.751	0
	2020	48.347	15.45	0.039
	2021	49.47	14.998	0.112
	2022	49.21	14.89	0.096
	2023	49.033	14.84	0.084
SVI Quartile	[0,.25]	49.438	14.614	0.065
	[.25,.5]	49.196	15.141	0.048
	[.5,.75]	48.468	15.425	0
	[.75,1]	47.489	15.836	-0.063
	Unknown	44.153	15.868	-0.276
Census Region	Midwest	49.82	15.02	0
	Northeast	47.464	15.116	-0.156
	South	47.199	15.432	-0.172
	West	50.061	16.305	0.015
Other Conditions	Neither	53.476	15.637	0
	Diabetes	51.536	18.041	-0.115
	Hypertension	48.189	14.483	-0.351
	Both	47.408	15.654	-0.388
Initial EGFR Group	Normal	71.46	17.427	2.048
	Early-Stage Kidney Disease	56.589	9.962	1.427
	Kidney Insufficiency	42.053	10.413	0
	Kidney Failure	10.839	2.986	-4.075

Table 2a: Average Initial eGFR Readings for all patients over the last 5 years

Period	Number of Patients	Average	Standard Deviation
2018-1	5608	53.982	17.252
2018-2	5102	53.887	17.111
2018-3	5743	54.404	17.186
2018-4	5947	54.121	17.161
2018-5	6223	53.803	16.852
2018-6	5844	53.620	16.911
2018-7	5901	53.181	17.221
2018-8	6405	53.811	16.916
2018-9	5742	53.981	16.878
2018-10	6798	54.248	16.691
2018-11	5878	54.405	16.856
2018-12	6656	53.849	17.526
2019-1	7525	53.992	17.496
2019-2	7162	54.501	17.113

2019-3	7518	55.068	17.203
2019-4	7840	55.151	17.514
2019-5	7911	54.570	16.877
2019-6	6972	54.372	16.672
2019-7	7730	54.034	16.541
2019-8	7545	54.006	16.625
2019-9	7515	53.881	16.489
2019-10	8563	54.589	16.600
2019-11	7310	54.575	16.485
2019-12	6934	54.518	16.569
2020-1	8178	54.790	16.365
2020-2	7442	54.803	16.772
2020-3	5549	54.907	16.969
2020-4	3315	54.976	17.300
2020-5	5301	55.323	16.635
2020-6	7497	55.057	16.526
2020-7	7574	55.438	16.373
2020-8	7191	55.052	16.317
2020-9	7554	55.227	16.192
2020-10	7291	55.506	16.448
2020-11	6565	55.418	16.082
2020-12	7141	55.808	16.647
2021-1	8192	55.973	16.275
2021-2	7922	56.412	16.113
2021-3	10351	56.166	16.169
2021-4	9701	55.968	15.995
2021-5	9245	55.791	16.096
2021-6	10128	55.995	15.955
2021-7	9281	56.108	16.201
2021-8	9464	55.778	16.133
2021-9	9343	55.625	16.157
2021-10	9204	55.834	15.892
2021-11	9025	56.425	16.280
2021-12	8195	56.433	15.932
2022-1	8690	56.112	15.872
2022-2	9070	56.886	16.119
2022-3	10642	56.367	15.882
2022-4	9349	56.497	16.308
2022-5	9790	55.812	15.832
2022-6	10150	55.726	15.762
2022-7	8883	55.677	16.087

2022-8	10063	55.688	16.279
2022-9	9389	55.958	16.410
2022-10	9333	56.329	16.678
2022-11	8270	56.023	16.288
2022-12	7520	56.254	16.485
2023-1	8576	55.989	16.103

Table 2b: Average Initial eGFR at CKD Diagnosis for White/Non-Hispanic patients

Period	Number of Patients	Average	Standard Deviation
2018-1	4363	54.117	16.738
2018-2	3924	54.057	16.504
2018-3	4509	54.485	16.550
2018-4	4591	54.142	16.630
2018-5	4816	54.040	16.292
2018-6	4516	53.906	16.362
2018-7	4591	53.494	16.711
2018-8	4993	54.120	16.432
2018-9	4438	54.241	16.473
2018-10	5281	54.407	16.261
2018-11	4562	54.757	16.456
2018-12	4768	54.320	16.853
2019-1	5211	54.073	16.805
2019-2	4957	54.777	16.539
2019-3	5506	54.911	16.721
2019-4	5810	55.113	16.980
2019-5	5911	54.663	16.592
2019-6	5235	54.170	16.260
2019-7	5870	53.944	16.153
2019-8	5739	53.914	15.875
2019-9	5708	53.884	15.986
2019-10	6643	54.665	16.222
2019-11	5641	54.656	16.046
2019-12	5387	54.479	16.100
2020-1	6201	54.701	15.811
2020-2	5611	54.881	16.280
2020-3	4188	54.606	16.298
2020-4	2586	55.449	16.963
2020-5	4153	55.466	16.288
2020-6	5820	55.057	15.856
2020-7	5927	55.577	16.138

2020-8	5628	55.075	15.936
2020-9	5857	55.394	15.812
2020-10	5564	55.597	15.944
2020-11	5106	55.286	15.465
2020-12	5456	55.970	16.226
2021-1	6311	55.960	15.677
2021-2	6070	56.628	15.692
2021-3	7996	56.122	15.656
2021-4	7444	56.083	15.707
2021-5	7132	55.820	15.722
2021-6	7761	56.130	15.680
2021-7	7128	55.859	15.746
2021-8	7182	55.812	15.610
2021-9	7132	55.638	15.654
2021-10	7050	55.932	15.489
2021-11	6963	56.362	15.732
2021-12	6317	56.467	15.367
2022-1	6652	56.110	15.457
2022-2	6844	57.039	15.643
2022-3	8034	56.573	15.398
2022-4	7163	56.664	15.780
2022-5	7401	55.881	15.502
2022-6	7624	55.814	15.224
2022-7	6690	55.568	15.711
2022-8	7574	55.654	15.777
2022-9	7014	55.844	16.027
2022-10	6978	56.374	16.435
2022-11	6222	55.956	16.040
2022-12	5695	56.257	16.134
2023-1	6324	55.991	15.743

Table 2c: Average Initial eGFR at CKD Diagnosis for Black/Non-Hispanic patients

Period	Number of Patients	Average	Standard Deviation
2018-1	836	52.100	18.443
2018-2	782	52.178	18.393
2018-3	815	52.911	18.940
2018-4	916	52.273	18.279
2018-5	949	51.360	18.237
2018-6	874	50.923	18.187

2018-7	872	50.719	17.854
2018-8	911	50.807	16.924
2018-9	847	51.975	17.472
2018-10	1005	52.504	17.587
2018-11	883	51.392	17.386
2018-12	1361	51.994	18.745
2019-1	1624	51.804	17.862
2019-2	1491	51.841	17.736
2019-3	1330	53.564	17.630
2019-4	1290	52.410	17.749
2019-5	1240	51.413	16.795
2019-6	1114	52.780	17.114
2019-7	1143	51.443	16.174
2019-8	1154	51.658	17.480
2019-9	1164	51.503	17.340
2019-10	1240	52.105	16.600
2019-11	1080	52.583	16.966
2019-12	976	52.631	16.897
2020-1	1262	52.896	17.004
2020-2	1162	52.785	17.788
2020-3	860	53.836	18.130
2020-4	462	51.175	17.469
2020-5	758	52.335	16.782
2020-6	1042	52.643	17.978
2020-7	1018	52.188	16.111
2020-8	993	52.877	16.928
2020-9	1071	52.783	16.478
2020-10	1115	53.161	16.892
2020-11	968	54.180	16.785
2020-12	1078	52.525	16.774
2021-1	1177	53.973	17.154
2021-2	1179	53.291	16.816
2021-3	1505	53.969	17.026
2021-4	1417	53.376	15.909
2021-5	1298	53.257	16.438
2021-6	1515	53.250	15.656
2021-7	1323	54.415	16.722
2021-8	1459	53.522	16.727
2021-9	1374	53.082	16.461
2021-10	1364	53.921	16.037
2021-11	1297	54.439	17.219

2021-12	1218	54.426	16.766
2022-1	1325	54.102	16.081
2022-2	1448	54.399	16.669
2022-3	1723	54.251	16.356
2022-4	1448	53.991	16.675
2022-5	1601	54.227	15.901
2022-6	1728	54.188	16.570
2022-7	1450	54.695	16.564
2022-8	1670	54.365	16.471
2022-9	1612	55.130	16.938
2022-10	1567	55.054	16.368
2022-11	1388	55.237	16.115
2022-12	1245	54.670	16.569
2023-1	1508	54.628	16.346

Table 2d: Average Initial eGFR at CKD Diagnosis for Hispanic or Latino patients

Period	Number of Patients	Average	Standard Deviation
2018-1	175	58.654	21.711
2018-2	166	56.530	20.209
2018-3	189	57.664	22.160
2018-4	190	59.515	19.813
2018-5	207	60.169	21.418
2018-6	206	55.836	19.374
2018-7	200	58.657	21.566
2018-8	229	55.781	22.461
2018-9	213	56.182	19.966
2018-10	246	58.327	19.808
2018-11	191	59.943	20.363
2018-12	256	55.637	20.677
2019-1	309	58.225	21.776
2019-2	323	56.602	18.651
2019-3	305	58.090	19.603
2019-4	299	57.531	20.523
2019-5	316	58.441	18.210
2019-6	249	57.828	18.859
2019-7	310	56.728	19.495
2019-8	273	56.025	21.057
2019-9	278	57.047	17.085
2019-10	290	57.193	19.229
2019-11	249	56.853	19.106

2019-12	249	58.768	20.503
2020-1	298	57.853	19.068
2020-2	303	58.254	19.450
2020-3	215	60.654	20.676
2020-4	135	57.144	19.595
2020-5	176	59.612	20.333
2020-6	296	59.514	19.727
2020-7	283	57.991	17.880
2020-8	257	58.375	18.403
2020-9	305	57.423	18.279
2020-10	312	60.259	19.865
2020-11	251	61.200	20.998
2020-12	273	60.774	20.988
2021-1	331	58.782	20.284
2021-2	308	59.641	18.415
2021-3	412	60.184	18.999
2021-4	402	59.540	18.635
2021-5	383	59.955	18.663
2021-6	395	59.466	18.131
2021-7	398	61.148	19.236
2021-8	397	59.536	19.430
2021-9	386	59.546	19.656
2021-10	389	57.152	18.561
2021-11	356	59.987	19.487
2021-12	294	58.849	18.579
2022-1	358	60.034	18.779
2022-2	390	62.094	18.719
2022-3	455	58.585	18.949
2022-4	354	60.705	20.583
2022-5	391	57.613	18.615
2022-6	360	57.239	19.058
2022-7	359	59.131	18.625
2022-8	389	58.957	21.261
2022-9	382	60.397	18.783
2022-10	362	60.001	20.752
2022-11	332	57.328	18.400
2022-12	284	60.642	20.796
2023-1	359	60.394	18.980

Table 2e: Average Initial eGFR at CKD Diagnosis for Other/Non-Hispanic patients

Period	Number of Patients	Average	Standard Deviation
2018-1	234	54.687	17.792
2018-2	230	54.899	19.769
2018-3	230	55.422	17.813
2018-4	250	56.398	19.202
2018-5	251	53.251	16.084
2018-6	248	56.074	18.803
2018-7	238	51.579	18.990
2018-8	272	56.553	18.945
2018-9	244	54.290	18.565
2018-10	266	53.918	17.746
2018-11	242	54.394	17.613
2018-12	271	53.184	18.921
2019-1	381	58.770	19.600
2019-2	391	59.405	18.878
2019-3	377	60.216	19.272
2019-4	441	62.057	19.401
2019-5	444	59.402	18.069
2019-6	374	59.649	18.180
2019-7	407	60.554	18.554
2019-8	379	61.084	19.214
2019-9	365	59.003	19.253
2019-10	390	59.250	19.308
2019-11	340	57.905	19.096
2019-12	322	57.597	18.809
2020-1	417	59.654	19.003
2020-2	366	57.154	17.704
2020-3	286	58.216	18.730
2020-4	132	56.811	19.048
2020-5	214	59.612	17.546
2020-6	339	58.587	18.590
2020-7	346	60.523	17.941
2020-8	313	58.821	18.108
2020-9	321	58.241	18.797
2020-10	300	57.579	18.547
2020-11	240	57.184	18.674
2020-12	334	59.688	16.988
2021-1	373	60.010	18.233
2021-2	365	60.187	16.953
2021-3	438	60.743	17.825
2021-4	438	59.115	17.154

2021-5	432	59.237	17.290
2021-6	457	59.803	17.928
2021-7	432	60.755	17.262
2021-8	426	59.441	17.961
2021-9	451	59.814	18.121
2021-10	401	59.326	18.595
2021-11	409	60.690	18.016
2021-12	366	60.581	19.039
2022-1	355	59.697	18.121
2022-2	388	58.249	17.842
2022-3	430	58.644	18.273
2022-4	384	58.952	18.631
2022-5	397	59.153	17.819
2022-6	438	59.013	17.917
2022-7	384	58.047	17.554
2022-8	430	58.476	18.241
2022-9	381	57.118	17.832
2022-10	426	57.169	17.397
2022-11	328	59.304	18.835
2022-12	296	58.652	17.157
2023-1	385	57.170	17.265

Table 3: Comparison of Annual Initial eGFR Averages Between different Race/Ethnicity Groups

Race/Ethnicity	Year	Average	Standard Deviation	Compared to White Patients (%)
White/Non-Hispanic	2018	54.177	16.52	ref
	2022	56.144	15.753	ref
Black/Non-Hispanic	2018	51.765	18.066	-4.5% (-4.8% - -4.1%)
	2022	54.52	16.445	-2.9% (-3.1% - -2.7%)
Hispanic or Latino	2018	57.668	20.827	6.4% (5.7% - 7.2%)
	2022	59.374	19.469	5.8% (5.2% - 6.3%)
Other/Non-Hispanic	2018	54.558	18.398	0.7% (0.1%-1.3%)
	2022	58.517	17.972	4.2% (3.7% - 4.7%)

Table 4: Average Initial Lab Serum Creatinine Value at CKD Diagnosis

Period	Number of Patients	Average	Standard Deviation
2018-1	5608	1.337	0.447

2018-2	5102	1.333	0.444
2018-3	5743	1.327	0.424
2018-4	5947	1.332	0.462
2018-5	6223	1.333	0.454
2018-6	5844	1.340	0.454
2018-7	5901	1.353	0.478
2018-8	6405	1.340	0.474
2018-9	5742	1.333	0.499
2018-10	6798	1.312	0.420
2018-11	5878	1.312	0.445
2018-12	6656	1.345	0.527
2019-1	7525	1.340	0.503
2019-2	7162	1.318	0.458
2019-3	7518	1.304	0.455
2019-4	7840	1.307	0.446
2019-5	7911	1.305	0.420
2019-6	6972	1.315	0.430
2019-7	7730	1.319	0.461
2019-8	7545	1.326	0.479
2019-9	7515	1.318	0.416
2019-10	8563	1.309	0.432
2019-11	7310	1.310	0.460
2019-12	6934	1.308	0.416
2020-1	8178	1.299	0.412
2020-2	7442	1.306	0.418
2020-3	5549	1.315	0.442
2020-4	3315	1.327	0.470
2020-5	5301	1.298	0.422
2020-6	7497	1.296	0.416
2020-7	7574	1.282	0.426
2020-8	7191	1.294	0.402
2020-9	7554	1.292	0.439
2020-10	7291	1.288	0.420
2020-11	6565	1.285	0.402
2020-12	7141	1.282	0.406
2021-1	8192	1.270	0.415
2021-2	7922	1.260	0.392
2021-3	10351	1.260	0.397
2021-4	9701	1.261	0.402
2021-5	9245	1.274	0.430
2021-6	10128	1.264	0.426

2021-7	9281	1.260	0.381
2021-8	9464	1.268	0.392
2021-9	9343	1.271	0.395
2021-10	9204	1.260	0.371
2021-11	9025	1.259	0.394
2021-12	8195	1.258	0.390
2022-1	8690	1.261	0.365
2022-2	9070	1.247	0.381
2022-3	10642	1.250	0.390
2022-4	9349	1.249	0.392
2022-5	9790	1.253	0.369
2022-6	10150	1.257	0.380
2022-7	8883	1.263	0.383
2022-8	10063	1.267	0.385
2022-9	9389	1.258	0.382
2022-10	9333	1.258	0.394
2022-11	8270	1.262	0.423
2022-12	7520	1.262	0.382
2023-1	8576	1.263	0.423