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ภาคผนวก

ภาคผนวก ก
แบบบันทึกข้อมูลผู้ป่วย

- ก. เพศ ชาย
 หญิง
- ข. อายุ.....ปี
- ค. อายุที่ได้รับการวินิจฉัยว่าเป็นโรคเบาหวาน.....ปี
- ง. ระยะเวลาการเป็นโรคเบาหวาน.....ปี
- จ. ภาวะแทรกซ้อนจากโรคเบาหวาน มี โรคจอประสาทตาเสื่อมจากเบาหวาน
 โรคเส้นประสาทเสื่อมจากเบาหวาน
 ไม่มี
- ฉ. โรคที่เป็นร่วม มี โรคความดันโลหิตสูง
 โรคไขมันในเลือดสูง
 โรคทางระบบหัวใจและหลอดเลือด
 ไม่มี
- ช. การสูบบุหรี่ สูบ
 ไม่สูบ
- ซ. ยาลดน้ำตาลในเลือด ยารับประทาน
 ยาอินซูลิน
 ยารับประทาน+ยาอินซูลิน
- ฅ. ยากลุ่ม RAASI ได้รับ Enalapril เป็นระยะเวลา.....ปี
 Losartan เป็นระยะเวลา.....ปี
 Valsartan เป็นระยะเวลา.....ปี
 ไม่ได้รับ
- ฉ. ยากลุ่ม Statin ได้รับ
 ไม่ได้รับ

รหัสผู้ป่วย.....

- ก. ผลการตรวจร่างกายและผลการตรวจทางห้องปฏิบัติการที่เกี่ยวข้อง
- ค่าความดันโลหิต/.....มม.ปรอท
 - ระดับครีเอตินีนในเลือด ค่าเริ่มต้น..... มก./ดล.
 - ค่าสุดท้าย.....มก./ดล.
 - ระดับฮีโมโกลบินเอวันซี ร้อยละ.....
 - ระดับฮีโมโกลบินในเลือด ก./ดล.
 - ระดับกรดยูริกในเลือดมก./ดล.
 - ระดับโคเลสเตอรอลรวมในเลือดมก./ดล.
 - ระดับแอลดีแอลโคเลสเตอรอลในเลือด.....มก./ดล.
 - ระดับเอชดีแอลโคเลสเตอรอลในเลือดมก./ดล.
 - ระดับไตรกลีเซอโรลในเลือดมก./ดล.
 - ปริมาณอัลบูมินในปัสสาวะ

- 0
- trace
- 1+
- 2+
- 3+

รหัสผู้ป่วย.....



ภาคผนวก ข
เอกสารรับรองจริยธรรมการวิจัยในมนุษย์



หนังสือรับรองจริยธรรม 10:2556
เอกสารรับรองเลขที่ 9:2556

คณะกรรมการจริยธรรมการวิจัยในมนุษย์
โรงพยาบาลมหาราชานครศรีธรรมราช

โครงการวิจัย (ภาษาไทย)	การศรัทธาและจิตศรัทธาของคนไทยในการลดส่งมอบค่าประมาณอัตราครองชีพในผู้ป่วยโรคเบาหวานชนิดที่ 2 ที่มีอาการไตเสื่อมด้วยเครื่องไตเทียม
(ภาษาอังกฤษ)	DEVELOPING SELF-HELP STRATEGIES OF THAI PATIENTS WITH TYPE 2 DIABETES WITH KIDNEY FAILURE AND END-STAGE RENAL DISEASE USING DIALYSIS
ผู้วิจัยหลัก	นางพนวิไล ชัยชนะ สุขุมภัก
ตำแหน่ง / สถาบัน	นัศัลยกรรมหัวใจ และทรวงอก ศาสตราจารย์ สาขาวิชาเวชศาสตร์คลินิก คณะแพทยศาสตร์ มหาวิทยาลัยมหามกุฏราชวิทยาลัย
สถาบัน	ศูนย์วิจัยทางการแพทย์

คณะกรรมการจริยธรรมการวิจัยในมนุษย์ โรงพยาบาลมหาราชานครศรีธรรมราช ได้พิจารณาเห็นชอบให้ดำเนินการศึกษาวิจัยดังกล่าว เมื่อวันที่ 22 เดือน มีนาคม พ.ศ. 2556 และได้อนุมัติโครงการดังกล่าวไว้ ณ วันที่ 21 เดือน มีนาคม พ.ศ. 2557

ผู้วิจัยต้องปฏิบัติตามเงื่อนไขของคณะกรรมการจริยธรรมการวิจัยในมนุษย์ โรงพยาบาลมหาราชานครศรีธรรมราช และปฏิบัติตามข้อกำหนดของจริยธรรมการวิจัยในมนุษย์

ลงนามในนามของ
ประธานคณะกรรมการจริยธรรมการวิจัยในมนุษย์
โรงพยาบาลมหาราชานครศรีธรรมราช
วันที่ 22 เดือน มีนาคม พ.ศ. 2556

ลงนามในนามของ
ผู้อำนวยการโรงพยาบาลมหาราชานครศรีธรรมราช
วันที่ 22 เดือน มีนาคม พ.ศ. 2556



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ภาคผนวก ค
ข้อมูลค่าประมาณอัตราการกรองของไตของผู้ป่วยกลุ่มสร้างสมการ

No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
1	0.82	1.09	97.89	75.30	5.0	4.86	5.18	4.52	4.6
2	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
3	0.69	1.00	82.65	58.67	5.6	5.04	5.32	4.30	5.2
4	0.82	1.00	98.25	80.63	5.3	4.68	5.00	3.35	3.4
5	0.82	1.09	70.76	53.90	5.1	4.43	5.90	3.32	4.7
6	0.76	1.00	77.86	60.05	5.3	3.27	4.16	3.34	4.3
7	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
8	0.82	1.09	69.95	53.33	5.3	4.54	5.97	3.12	4.5
9	0.63	0.82	89.17	69.95	5.3	4.16	4.24	3.66	4.1
10	0.69	0.91	116.09	89.34	5.4	2.71	2.62	4.94	4.3
11	0.69	0.91	116.09	89.34	5.3	2.75	2.66	5.01	4.3
12	0.76	1.00	77.86	60.05	5.4	3.22	4.10	3.29	4.2
13	0.83	1.00	101.24	84.33	5.2	3.29	3.35	3.27	3.2
14	0.68	0.72	88.68	81.15	5.5	1.53	1.51	1.37	1.5
15	0.85	1.18	93.64	69.26	5.4	5.33	5.87	4.50	4.8
16	0.69	0.91	83.68	64.34	5.3	5.43	5.66	3.68	4.4
17	0.54	0.72	143.62	109.19	5.3	3.08	2.67	6.45	4.5
18	0.56	0.63	145.34	126.82	5.4	1.79	1.50	3.42	2.4
19	0.65	0.72	128.03	113.24	5.5	1.53	1.37	2.69	2.1
20	0.65	0.91	91.16	66.73	5.3	1.86	1.82	4.65	5.1
21	0.56	0.63	145.34	126.82	5.3	1.81	1.53	3.47	2.4
22	0.78	1.09	72.29	53.05	5.2	5.48	6.86	3.72	5.2
23	0.63	0.82	90.26	69.95	5.5	4.05	4.12	3.69	4.1
24	0.76	1.00	77.86	60.05	5.3	3.27	4.16	3.34	4.3
25	0.82	1.09	69.95	53.33	5.5	4.40	5.78	3.02	4.3
26	0.83	1.00	101.24	84.33	5.3	3.24	3.29	3.22	3.2



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Tha	% Δ GFR Tha
27	0.83	1.09	97.55	75.71	5.3	4.51	4.79	4.10	4.2
28	0.63	0.82	90.26	69.95	5.4	4.12	4.18	3.75	4.2
29	0.76	1.00	75.03	58.03	5.3	4.85	5.77	3.24	4.3
30	0.52	0.54	111.92	103.57	5.2	1.09	0.98	1.62	1.4
31	0.76	1.09	75.93	54.50	5.5	5.11	5.40	3.90	5.1
32	0.54	0.72	102.26	77.74	5.4	2.84	2.74	4.53	4.4
33	0.78	0.91	108.62	92.55	5.3	1.87	1.83	3.01	2.8
34	0.83	1.00	72.08	60.05	5.5	3.17	4.04	2.19	3.0
35	0.54	0.72	102.26	77.74	5.3	2.93	2.82	4.67	4.6
36	0.82	1.27	71.18	47.56	5.3	5.91	6.99	4.43	6.2
37	0.69	0.91	82.65	63.61	5.4	5.19	5.48	3.52	4.3
38	0.82	1.09	69.95	53.33	5.3	4.54	5.97	3.12	4.5
39	0.69	0.91	116.09	89.34	5.4	2.71	2.62	4.94	4.3
40	0.83	1.27	67.90	46.31	5.3	5.07	6.94	4.11	6.1
41	0.69	0.91	82.65	63.61	5.2	5.44	5.75	3.69	4.5
42	0.78	0.91	108.62	92.55	5.1	1.96	1.91	3.16	2.9
43	0.69	0.91	80.28	61.92	5.3	5.61	6.43	3.44	4.3
44	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
45	0.78	1.18	72.29	49.57	5.5	5.15	6.45	4.13	5.7
46	0.85	1.18	93.64	69.26	5.3	5.50	6.06	4.64	5.0
47	0.85	1.09	68.61	54.20	5.3	3.89	5.27	2.70	3.9
48	0.85	1.27	68.61	47.56	5.1	4.08	5.53	4.14	6.0
49	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
50	0.78	1.18	77.34	52.75	5.1	3.32	3.84	4.84	6.3
51	0.69	0.91	82.65	63.61	5.2	5.44	5.75	3.69	4.5
52	0.82	1.09	97.89	75.30	5.5	4.42	4.71	4.11	4.2
53	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
54	0.54	0.72	102.26	77.74	5.3	2.88	2.78	4.60	4.5



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{30s} Thai	% Δ GFR Thai
55	0.68	0.72	124.55	113.97	5.4	1.22	1.10	1.95	1.6
56	0.83	1.09	97.55	75.71	5.5	4.37	4.65	3.97	4.1
57	0.72	1.27	76.86	46.55	5.3	5.70	6.53	5.77	7.5
58	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
59	0.78	1.18	72.29	49.57	5.4	5.23	6.55	4.20	5.8
60	0.72	1.00	107.96	80.21	5.3	4.01	4.11	5.20	4.8
61	0.78	1.18	72.29	49.57	5.4	5.23	6.55	4.20	5.8
62	0.69	0.82	82.65	69.56	5.3	5.36	5.66	2.49	3.0
63	0.54	0.72	102.26	77.74	5.2	2.98	2.87	4.74	4.6
64	0.72	1.00	107.96	80.21	5.5	3.89	3.98	5.04	4.7
65	0.69	0.82	120.63	101.20	5.1	2.10	1.95	3.82	3.2
66	0.63	0.91	120.23	86.52	5.4	3.22	3.15	6.22	5.2
67	0.72	1.00	107.96	80.21	5.5	3.89	3.98	5.04	4.7
68	0.82	1.00	99.98	81.95	5.3	4.46	4.74	3.43	3.4
69	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3
70	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
71	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
72	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
73	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
74	0.85	1.09	71.24	56.11	5.3	3.79	3.84	2.84	4.0
75	0.63	0.82	126.82	99.39	5.6	2.53	2.32	4.91	3.9
76	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
77	0.69	1.00	80.28	57.11	5.0	6.83	7.47	4.63	5.8
78	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
79	0.85	1.00	100.06	84.84	5.5	2.95	3.01	2.77	2.8
80	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
81	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
82	0.63	0.82	126.02	98.81	5.6	2.51	2.32	4.87	3.9



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
83	0.85	1.09	71.24	56.11	5.3	3.79	3.84	2.84	4.0
84	0.52	0.54	111.92	103.57	5.3	1.05	0.95	1.57	1.4
85	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
86	0.69	0.82	85.89	72.05	5.4	3.67	3.72	2.55	3.0
87	0.56	0.72	100.73	78.66	5.3	2.76	2.65	4.20	4.2
88	0.72	1.00	76.86	57.11	5.2	5.79	6.64	3.82	5.0
89	0.82	1.09	97.89	75.30	5.5	4.42	4.71	4.11	4.2
90	0.72	0.82	76.86	67.71	5.4	5.52	6.33	1.69	2.2
91	0.72	1.00	107.96	80.21	5.3	4.01	4.11	5.20	4.8
92	0.56	0.72	100.73	78.66	5.4	2.67	2.57	4.07	4.0
93	0.68	0.82	84.63	70.35	5.1	3.03	2.92	2.81	3.3
94	0.69	0.91	82.65	63.61	5.4	5.19	5.48	3.52	4.3
95	0.72	1.00	107.96	80.21	5.3	4.01	4.11	5.20	4.8
96	0.82	1.18	69.70	50.09	5.4	4.32	5.70	3.62	5.2
97	0.56	0.72	100.73	78.66	5.3	2.71	2.61	4.14	4.1
98	0.85	1.27	68.61	47.56	5.1	4.08	5.53	4.14	6.0
99	0.69	0.82	120.63	101.20	5.3	2.04	1.89	3.70	3.1
100	0.85	1.09	96.36	76.12	5.2	4.53	4.82	3.92	4.1
101	0.72	0.82	76.86	67.71	5.5	5.44	6.24	1.67	2.2
102	0.85	1.18	93.64	69.26	5.4	5.33	5.87	4.50	4.8
103	0.72	1.00	79.14	58.67	5.3	5.27	5.57	3.84	4.8
104	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
105	0.68	0.82	121.18	100.58	5.5	2.04	1.89	3.74	3.1
106	0.82	1.36	71.18	44.85	5.5	3.77	5.12	4.79	6.7
107	0.78	0.91	108.62	92.55	5.0	1.99	1.95	3.21	3.0
108	0.56	0.72	100.73	78.66	5.4	2.67	2.57	4.07	4.0
109	0.54	0.72	102.26	77.74	5.4	2.84	2.74	4.53	4.4
110	0.78	0.91	108.62	92.55	5.3	1.90	1.85	3.06	2.8



No	b5CR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{3bs} Thai	% Δ GFR Thai
111	0.63	0.82	89.73	70.35	5.1	4.32	4.38	3.81	4.2
112	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
113	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3
114	0.52	0.54	111.92	103.57	5.0	1.12	1.01	1.67	1.5
115	0.85	1.09	68.61	54.20	5.3	3.95	5.36	2.74	4.0
116	0.52	0.54	157.19	145.46	5.1	1.33	1.08	2.31	1.5
117	0.85	1.18	66.67	49.31	5.5	4.50	6.32	3.16	4.7
118	0.63	0.82	89.73	70.35	5.4	4.06	4.11	3.58	4.0
119	0.82	1.09	70.35	53.61	5.1	4.60	6.08	3.29	4.7
120	0.82	1.09	97.89	75.30	5.3	4.63	4.93	4.30	4.4
121	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
122	0.52	0.54	111.92	103.57	5.3	1.05	0.95	1.57	1.4
123	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
124	0.72	1.00	76.86	57.11	5.0	5.98	6.86	3.95	5.1
125	0.56	0.72	100.73	78.66	5.2	2.80	2.69	4.27	4.2
126	0.56	0.72	100.73	78.66	5.5	2.63	2.53	4.01	4.0
127	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
128	0.63	0.82	89.73	70.35	5.3	4.12	4.18	3.63	4.0
129	0.82	1.09	97.89	75.30	5.4	4.49	4.78	4.17	4.3
130	0.52	0.54	157.19	145.46	5.5	1.23	0.99	2.13	1.4
131	0.72	0.82	76.86	67.71	5.5	5.44	6.24	1.67	2.2
132	0.85	1.18	66.67	49.31	5.5	4.50	6.32	3.16	4.7
133	0.78	1.18	72.29	49.57	5.4	5.23	6.55	4.20	5.8
134	0.72	0.82	76.86	67.71	5.4	5.52	6.33	1.69	2.2
135	0.69	0.91	80.28	61.92	5.3	5.40	6.75	3.50	4.4
136	0.82	1.18	98.25	69.98	5.3	4.61	4.92	5.30	5.4
137	0.83	1.18	69.46	50.37	5.4	4.16	5.53	3.52	5.1
138	0.85	1.18	68.20	50.37	5.3	4.23	5.62	3.34	4.9



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
139	0.68	0.72	88.68	81.15	5.4	1.56	1.54	1.39	1.6
140	0.85	1.27	68.61	47.56	5.0	4.15	5.63	4.21	6.1
141	0.54	0.72	102.26	77.74	5.2	2.98	2.87	4.74	4.6
142	0.85	1.09	96.36	76.12	5.5	4.25	4.53	3.68	3.8
143	0.56	0.72	141.47	110.48	5.4	2.78	2.41	5.72	4.0
144	0.54	0.72	102.26	77.74	5.3	2.88	2.78	4.60	4.5
145	0.69	0.91	82.65	63.61	5.4	5.19	5.48	3.52	4.3
146	0.63	0.91	121.70	86.52	5.5	3.29	3.19	6.40	5.3
147	0.83	1.09	69.46	53.90	5.0	4.51	6.00	3.11	4.5
148	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
149	0.63	0.72	129.34	111.83	5.3	2.01	1.86	3.28	2.5
150	0.72	1.00	107.96	80.21	5.3	4.08	4.17	5.28	4.9
151	0.82	1.36	71.18	44.85	5.5	3.77	5.12	4.79	6.7
152	0.63	0.82	126.77	98.25	5.0	2.91	2.69	5.71	4.5
153	0.82	1.09	69.95	53.33	5.5	4.40	5.78	3.02	4.3
154	0.85	1.18	66.67	49.31	5.2	4.79	6.73	3.36	5.0
155	0.68	0.72	124.55	113.97	5.4	1.22	1.10	1.95	1.6
156	0.68	0.72	124.55	113.97	5.1	1.30	1.18	2.08	1.7
157	0.83	1.27	67.90	46.31	5.3	5.07	6.94	4.11	6.1
158	0.82	1.18	98.25	69.98	5.3	4.61	4.92	5.30	5.4
159	0.82	1.36	71.18	44.85	5.4	3.83	5.19	4.86	6.8
160	0.83	1.00	101.24	84.33	5.4	3.14	3.19	3.12	3.1
161	0.76	1.00	75.47	58.35	5.3	4.88	5.77	3.26	4.3
162	0.72	1.00	76.86	57.11	5.2	5.79	6.64	3.82	5.0
163	0.82	1.09	70.35	53.61	5.1	4.60	6.08	3.29	4.7
164	0.56	0.63	145.34	126.82	5.4	1.79	1.50	3.42	2.4
165	0.56	0.63	145.34	126.82	5.3	1.81	1.53	3.47	2.4
166	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{ctx} Thai	% Δ GFR Thai
167	0.69	0.91	82.65	63.61	5.0	5.62	5.94	3.81	4.6
168	0.69	0.91	82.65	63.61	5.1	5.53	5.84	3.75	4.5
169	0.72	1.00	107.96	80.21	5.4	3.95	4.05	5.12	4.7
170	0.52	0.72	106.14	77.30	5.6	3.05	2.91	5.17	4.9
171	0.82	1.09	70.35	53.61	5.3	4.45	5.89	3.19	4.5
172	0.54	0.72	102.26	77.74	5.2	2.98	2.87	4.74	4.6
173	0.63	0.82	126.77	98.25	5.1	2.86	2.64	5.61	4.4
174	0.82	1.09	70.35	53.61	5.3	4.45	5.89	3.19	4.5
175	0.52	0.63	149.07	121.58	5.3	2.47	2.11	5.15	3.5
176	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4
177	0.85	1.18	68.20	50.37	5.3	4.23	5.62	3.34	4.9
178	0.69	0.91	82.65	63.61	5.4	5.19	5.48	3.52	4.3
179	0.72	1.27	76.86	46.55	5.3	5.70	6.53	5.77	7.5
180	0.54	0.72	102.26	77.74	5.5	2.80	2.69	4.46	4.4
181	0.69	0.91	82.65	63.61	5.4	5.19	5.48	3.52	4.3
182	0.54	0.72	102.26	77.74	5.3	2.88	2.78	4.60	4.5
183	0.56	0.72	103.48	80.63	5.4	2.75	2.57	4.22	4.1
184	0.83	1.09	97.55	75.71	5.5	4.37	4.65	3.97	4.1
185	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
186	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
187	0.78	1.18	77.34	52.75	5.3	3.16	3.66	4.61	6.0
188	0.76	1.09	77.86	55.77	5.3	3.32	4.23	4.21	5.4
189	0.78	1.18	77.34	52.75	5.3	3.21	3.72	4.68	6.1
190	0.82	1.00	72.28	59.69	5.3	3.44	4.36	2.36	3.3
191	0.72	0.82	116.28	101.83	5.4	1.57	1.48	2.67	2.3
192	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2
193	0.76	1.18	78.37	52.43	5.3	3.60	4.09	4.86	6.2
194	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR	Δ GFR	Δ GFR _{obs}	% Δ GFR
						CKD-EPI	CKD-EPI	Tha	Thai
195	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
196	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
197	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
198	0.83	1.00	72.55	60.41	5.3	3.34	4.23	2.31	3.2
199	0.56	0.63	103.48	90.29	5.2	1.50	1.40	2.55	2.5
200	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2
201	0.65	0.91	91.16	66.73	5.3	1.83	1.79	4.58	5.0
202	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
203	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
204	0.82	1.00	72.75	60.05	5.5	3.36	4.22	2.31	3.2
205	0.78	0.91	77.34	65.90	5.4	3.11	3.61	2.11	2.7
206	0.83	1.18	69.46	50.37	5.3	4.29	5.71	3.64	5.2
207	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2
208	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
209	0.72	1.00	107.96	80.21	5.3	4.01	4.11	5.20	4.8
210	0.72	0.82	76.86	67.71	5.4	5.52	6.33	1.69	2.2
211	0.76	1.09	75.47	54.20	5.2	4.96	5.87	4.12	5.5
212	0.68	0.91	83.59	63.61	5.1	5.61	5.90	3.93	4.7
213	0.68	0.82	121.18	100.58	5.4	2.07	1.92	3.80	3.1
214	0.72	1.00	79.14	58.67	5.3	5.35	5.63	3.84	4.8
215	0.63	0.82	126.77	98.25	5.4	2.68	2.48	5.27	4.2
216	0.82	1.00	101.52	83.84	5.5	3.15	3.21	3.22	3.2
217	0.68	0.91	86.28	65.49	5.3	3.85	3.90	3.96	4.6
218	0.76	1.00	77.86	60.05	5.3	3.27	4.16	3.34	4.3
219	0.63	0.82	90.26	69.95	5.1	4.39	4.46	4.00	4.4
220	0.85	1.09	68.61	54.20	5.3	3.89	5.27	2.70	3.9
221	0.63	0.72	129.34	111.83	5.4	1.98	1.83	3.23	2.5
222	0.76	1.00	106.00	81.95	5.1	3.94	4.00	4.73	4.5



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
223	0.82	1.18	69.95	49.83	5.2	4.69	6.16	3.89	5.6
224	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9
225	0.63	0.82	127.57	98.81	5.3	2.75	2.52	5.39	4.2
226	0.68	0.91	81.19	61.92	5.5	6.28	6.84	3.50	4.3
227	0.68	0.82	121.18	100.58	5.3	2.13	1.99	3.92	3.2
228	0.85	1.18	68.20	50.37	5.3	4.23	5.62	3.34	4.9
229	0.82	1.18	69.70	50.09	5.4	4.32	5.70	3.62	5.2
230	0.85	1.18	93.64	69.26	5.3	5.41	5.97	4.57	4.9
231	0.62	0.63	96.37	90.88	5.4	0.84	0.81	1.01	1.1
232	0.54	0.63	105.67	89.73	5.3	1.68	1.57	3.04	2.9
233	0.69	0.82	120.63	101.20	5.5	1.95	1.81	3.53	2.9
234	0.62	0.63	96.37	90.88	5.4	0.84	0.81	1.01	1.1
235	0.72	1.00	107.96	80.21	5.1	4.21	4.31	5.46	5.1
236	0.82	1.36	71.18	44.85	5.4	3.83	5.19	4.86	6.8
237	0.85	1.18	67.81	50.09	5.5	4.25	5.62	3.22	4.7
238	0.83	1.18	69.46	50.37	5.4	4.16	5.53	3.52	5.1
239	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2
240	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
241	0.56	0.72	100.73	78.66	5.2	2.80	2.69	4.27	4.2
242	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
243	0.85	1.09	96.36	76.12	5.5	4.25	4.53	3.68	3.8
244	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
245	0.72	0.82	76.86	67.71	5.4	5.52	6.33	1.69	2.2
246	0.78	0.91	72.29	61.92	5.3	5.31	6.65	1.94	2.7
247	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
248	0.72	1.09	76.44	52.78	5.3	6.74	7.78	4.51	5.9
249	0.82	1.00	101.52	83.84	5.2	3.35	3.42	3.42	3.4
250	0.85	1.09	71.24	56.11	5.4	3.73	3.78	2.79	3.9



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{chs} Thai	% Δ GFR Thai
251	0.63	0.72	128.38	109.83	5.1	3.40	3.48	3.65	2.8
252	0.82	1.18	69.17	49.31	5.3	5.45	7.26	3.78	5.5
253	0.85	1.09	71.24	56.11	5.5	3.67	3.73	2.75	3.9
254	0.76	1.00	75.47	58.35	5.5	4.66	5.51	3.11	4.1
255	0.82	1.18	69.95	49.83	5.3	4.61	6.06	3.85	5.5
256	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8
257	0.85	1.09	71.24	56.11	5.4	3.73	3.78	2.79	3.9
258	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
259	0.69	0.91	116.09	89.34	5.4	2.71	2.62	4.94	4.3
260	0.65	0.91	85.51	62.91	5.0	5.88	6.19	4.52	5.3
261	0.72	0.91	113.24	90.89	5.2	2.47	2.40	4.33	3.8
262	0.82	1.09	97.89	75.30	5.5	4.42	4.71	4.11	4.2
263	0.72	1.00	76.86	57.11	5.4	5.52	6.33	3.65	4.7
264	0.63	0.82	127.57	98.81	5.3	2.75	2.52	5.39	4.2
265	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9
266	0.54	0.63	148.41	126.02	5.5	2.04	1.71	4.07	2.7
267	0.69	0.91	82.65	63.61	5.0	5.62	5.94	3.81	4.6
268	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
269	0.68	0.91	117.40	89.34	5.3	2.86	2.75	5.26	4.5
270	0.69	0.82	82.65	69.56	5.3	5.36	5.66	2.49	3.0
271	0.65	0.91	85.51	62.91	5.5	5.35	5.63	4.11	4.8
272	0.54	0.63	105.67	89.73	5.0	1.77	1.65	3.19	3.0
273	0.76	1.00	106.00	81.95	5.5	3.64	3.70	4.37	4.1
274	0.69	0.82	116.09	97.69	5.3	2.79	2.71	3.50	3.0
275	0.62	0.63	135.34	127.64	5.4	0.98	0.85	1.42	1.1
276	0.65	0.91	85.51	62.91	5.3	5.60	5.89	4.30	5.0
277	0.72	1.00	77.30	57.41	5.2	5.83	6.64	3.85	5.0
278	0.83	1.18	69.46	50.37	5.4	4.16	5.53	3.52	5.1



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
279	0.63	0.82	126.02	98.81	5.5	2.55	2.35	4.95	3.9
280	0.69	0.91	116.09	89.34	5.3	2.75	2.66	5.01	4.3
281	0.85	1.18	66.67	49.31	5.2	4.79	6.73	3.36	5.0
282	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3
283	0.72	0.91	80.63	64.72	5.4	4.47	4.85	2.94	3.6
284	0.72	0.91	113.24	90.89	5.5	2.32	2.25	4.06	3.6
285	0.54	0.63	105.67	89.73	5.3	1.68	1.57	3.04	2.9
286	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
287	0.69	0.91	116.09	89.34	5.3	2.75	2.66	5.01	4.3
288	0.85	1.09	71.24	56.11	5.4	3.73	3.78	2.79	3.9
289	0.69	0.91	80.28	61.92	5.3	5.40	6.75	3.50	4.4
290	0.78	0.91	77.34	65.90	5.2	3.26	3.78	2.21	2.9
291	0.85	1.18	66.67	49.31	5.1	4.87	6.84	3.41	5.1
292	0.85	1.27	66.67	46.31	5.4	5.31	7.45	3.76	5.6
293	0.72	0.91	113.24	90.89	5.3	2.40	2.32	4.19	3.7
294	0.63	0.82	89.73	70.35	5.4	4.06	4.11	3.58	4.0
295	0.72	0.82	77.30	68.06	5.5	5.48	6.24	1.68	2.2
296	0.52	0.63	149.07	121.58	5.4	2.44	2.08	5.07	3.4
297	0.85	1.09	71.24	56.11	5.3	3.79	3.84	2.84	4.0
298	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
299	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7
300	0.69	0.91	80.28	61.92	5.3	5.40	6.75	3.50	4.4
301	0.72	1.00	80.63	59.69	5.3	4.54	4.93	3.93	4.9
302	0.78	1.09	101.53	74.51	5.4	4.83	5.09	4.99	4.9
303	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
304	0.63	0.91	92.72	66.31	5.3	2.02	1.98	5.03	5.4
305	0.68	0.91	86.28	65.49	5.2	3.91	3.97	4.02	4.7
306	0.78	0.91	77.34	65.90	5.4	3.11	3.61	2.11	2.7



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{ctc} Thai	% Δ GFR Thai
307	0.69	0.91	116.09	89.34	5.6	2.63	2.54	4.79	4.1
308	0.82	1.18	69.95	49.83	5.2	4.69	6.16	3.89	5.6
309	0.82	1.18	69.95	49.83	5.0	4.84	6.36	4.02	5.8
310	0.54	0.63	105.67	89.73	5.2	1.71	1.59	3.09	2.9
311	0.65	0.72	128.03	113.24	5.4	1.56	1.39	2.73	2.1
312	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3
313	0.76	1.09	75.93	54.50	5.5	5.11	5.40	3.90	5.1
314	0.82	1.18	70.76	50.37	5.5	4.10	5.45	3.71	5.2
315	0.78	1.18	77.34	52.75	5.3	3.16	3.66	4.61	6.0
316	0.56	0.63	145.34	126.82	5.4	1.79	1.50	3.42	2.4
317	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1
318	0.78	1.18	77.34	52.75	5.3	3.21	3.72	4.68	6.1
319	0.78	1.18	77.87	53.08	5.4	3.14	3.61	4.58	5.9
320	0.78	1.18	77.34	52.75	5.3	3.16	3.66	4.61	6.0
321	0.82	1.00	72.28	59.69	5.3	3.44	4.36	2.36	3.3
322	0.72	0.82	116.28	101.83	5.4	1.57	1.48	2.67	2.3
323	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
324	0.65	0.72	128.03	113.24	5.4	1.56	1.39	2.73	2.1
325	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
326	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
327	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2
328	0.68	0.82	86.28	71.61	5.0	4.04	4.10	2.93	3.4
329	0.68	0.82	86.28	71.61	5.0	4.04	4.10	2.93	3.4
330	0.68	0.91	117.40	89.34	5.1	3.00	2.89	5.52	4.7
331	0.69	0.82	85.89	72.05	5.4	3.67	3.72	2.55	3.0
332	0.85	1.27	93.64	65.04	5.6	6.12	6.75	5.12	5.5
333	0.68	0.91	117.40	89.34	5.3	2.90	2.79	5.34	4.6
334	0.68	1.00	114.03	80.21	5.0	4.80	4.79	6.76	5.9



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{Thai} Thai	% Δ GFR Thai
335	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
336	0.85	1.18	93.64	69.26	5.4	5.33	5.87	4.50	4.8
337	0.76	1.00	75.47	58.35	5.6	4.59	5.43	3.07	4.1
338	0.76	1.09	75.47	54.20	5.2	4.96	5.87	4.12	5.5
339	0.72	1.09	107.36	74.12	5.1	5.67	5.84	6.54	6.1
340	0.85	1.09	71.24	56.11	5.3	3.79	3.84	2.84	4.0
341	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
342	0.76	1.09	75.93	54.50	5.5	5.11	5.40	3.90	5.1
343	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
344	0.65	0.91	91.16	66.73	5.3	1.83	1.79	4.58	5.0
345	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2
346	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3
347	0.82	1.36	71.61	45.10	5.5	3.80	5.12	4.82	6.7
348	0.78	1.09	72.29	53.05	5.0	5.66	7.09	3.85	5.3
349	0.72	1.00	77.30	57.41	5.4	5.56	6.33	3.67	4.7
350	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3
351	0.65	0.91	120.09	88.36	5.3	3.14	3.02	5.95	5.0
352	0.69	1.00	79.84	56.82	5.4	5.28	7.03	4.25	5.3
353	0.85	1.27	93.64	65.04	5.3	6.51	7.17	5.45	5.8
354	0.65	0.91	85.51	62.91	5.2	5.69	5.99	4.37	5.1
355	0.63	0.91	92.72	66.31	5.5	1.93	1.89	4.80	5.2
356	0.72	0.82	116.28	101.83	5.4	1.57	1.48	2.67	2.3
357	0.72	1.00	79.14	58.67	5.3	5.35	5.63	3.84	4.8
358	0.63	0.82	89.73	70.35	5.4	4.06	4.11	3.58	4.0
359	0.65	0.91	120.09	88.36	5.5	3.05	2.93	5.77	4.8
360	0.72	0.82	82.79	72.50	5.3	2.89	3.05	1.93	2.3
361	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7
362	0.82	1.00	98.25	80.63	5.3	4.61	4.92	3.30	3.4



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
363	0.65	0.91	85.51	62.91	5.3	5.60	5.89	4.30	5.0
364	0.82	1.18	69.95	49.83	5.2	4.69	6.16	3.89	5.6
365	0.63	0.82	127.57	98.81	5.1	2.88	2.64	5.66	4.4
366	0.54	0.63	105.67	89.73	5.4	1.63	1.52	2.94	2.8
367	0.76	1.09	73.75	53.05	5.3	5.74	6.99	3.88	5.3
368	0.76	1.09	75.93	54.50	5.5	5.11	5.40	3.90	5.1
369	0.69	0.82	116.09	97.69	5.3	2.79	2.71	3.50	3.0
370	0.82	1.00	98.25	80.63	5.3	4.68	5.00	3.35	3.4
371	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
372	0.82	1.18	69.95	49.83	5.1	4.77	6.26	3.96	5.7
373	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9
374	0.63	0.82	90.83	70.35	5.1	4.42	4.46	4.03	4.4
375	0.78	1.18	100.97	69.26	5.2	6.24	6.63	6.14	6.1
376	0.83	1.09	97.55	75.71	5.5	4.37	4.65	3.97	4.1
377	0.68	1.00	81.19	57.11	5.4	6.38	6.95	4.44	5.5
378	0.63	0.82	89.73	70.35	5.3	4.12	4.18	3.63	4.0
379	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
380	0.68	0.91	81.19	61.92	5.5	6.28	6.84	3.50	4.3
381	0.82	1.18	69.95	49.83	5.3	4.61	6.06	3.83	5.5
382	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8
383	0.68	0.82	121.18	100.58	5.4	2.07	1.92	3.80	3.1
384	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
385	0.69	1.00	112.75	80.21	5.4	4.33	4.35	6.01	5.3
386	0.82	1.18	69.95	49.83	5.3	4.61	6.06	3.83	5.5
387	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2
388	0.69	0.91	116.09	89.34	5.5	2.67	2.58	4.86	4.2
389	0.54	0.63	148.41	126.02	5.3	2.14	1.79	4.26	2.9
390	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
391	0.65	0.91	120.09	88.36	5.4	3.09	2.97	5.86	4.9
392	0.82	1.09	69.95	53.33	5.5	4.40	5.78	3.02	4.3
393	0.63	0.82	89.73	70.35	5.3	4.12	4.18	3.63	4.0
394	0.63	0.82	89.73	70.35	5.3	4.12	4.18	3.63	4.0
395	0.76	1.09	103.58	74.51	5.4	5.00	5.22	5.37	5.2
396	0.63	0.82	89.73	70.35	5.3	4.19	4.24	3.69	4.1
397	0.63	0.82	89.73	70.35	5.2	4.25	4.31	3.75	4.2
398	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
399	0.63	0.82	126.02	98.81	5.3	2.63	2.42	5.10	4.0
400	0.68	0.91	117.40	89.34	5.5	2.77	2.67	5.10	4.3
401	0.78	1.09	72.70	53.33	5.3	5.65	6.43	3.63	5.0
402	0.82	1.00	72.28	59.69	5.1	3.61	4.57	2.48	3.4
403	0.85	1.09	68.61	54.20	5.3	3.89	5.27	2.70	3.9
404	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
405	0.69	0.91	82.65	63.61	5.1	5.53	5.84	3.75	4.5
406	0.82	1.00	72.28	59.69	5.4	3.38	4.29	2.32	3.2
407	0.76	1.00	106.00	81.95	5.0	4.00	4.07	4.81	4.5
408	0.65	0.72	91.16	80.63	5.0	1.95	1.91	2.11	2.3
409	0.69	1.00	80.28	57.11	5.2	6.61	7.23	4.48	5.6
410	0.82	1.09	98.81	75.30	5.1	4.87	5.16	4.63	4.7
411	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
412	0.69	1.00	80.28	57.11	5.0	6.83	7.47	4.63	5.8
413	0.63	0.82	126.02	98.81	5.6	2.51	2.32	4.87	3.9
414	0.52	0.72	106.14	77.30	5.3	3.19	3.05	5.41	5.1
415	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
416	0.52	0.63	110.36	89.73	5.0	2.13	1.95	4.13	3.7
417	0.68	0.91	117.40	89.34	5.5	2.77	2.67	5.10	4.3
418	0.52	0.63	149.07	121.58	5.4	2.44	2.08	5.07	3.4



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{CRS} Thai	% Δ GFR Thai
419	0.82	1.18	70.76	50.37	5.5	4.10	5.45	3.71	5.2
420	0.82	1.09	97.89	75.30	5.0	4.86	5.18	4.52	4.6
421	0.82	1.00	72.28	59.69	5.4	3.38	4.29	2.32	3.2
422	0.72	1.00	79.14	58.67	5.3	5.27	5.57	3.8 ^c	4.8
423	0.63	0.72	128.48	111.15	5.5	2.04	1.89	3.15	2.5
424	0.68	0.91	83.59	63.61	5.0	5.71	6.00	4.00	4.8
425	0.85	1.18	66.67	49.31	5.5	4.50	6.32	3.16	4.7
426	0.54	0.63	148.41	126.02	5.2	2.17	1.82	4.33	2.9
427	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4
428	0.72	1.00	108.57	80.63	5.3	4.04	4.11	5.2 ^c	4.8
429	0.68	0.82	121.18	100.58	5.4	2.07	1.92	3.80	3.1
430	0.78	0.91	72.29	61.92	5.3	5.31	6.65	1.9 ^c	2.7
431	0.76	1.09	103.58	74.51	5.4	5.00	5.22	5.37	5.2
432	0.65	0.91	85.51	62.91	5.3	5.60	5.89	4.30	5.0
433	0.78	1.09	72.29	53.05	5.2	5.48	6.86	3.72	5.2
434	0.82	1.09	69.95	53.33	5.5	4.40	5.78	3.02	4.3
435	0.82	1.36	71.18	44.85	5.4	3.83	5.19	4.86	6.8
436	0.63	0.82	126.02	98.81	5.5	2.55	2.35	4.95	3.9
437	0.68	0.82	121.18	100.58	5.0	2.24	2.08	4.12	3.4
438	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
439	0.78	1.18	100.97	69.26	5.6	5.78	6.14	5.68	5.6
440	0.69	1.00	112.75	80.21	5.3	4.47	4.48	6.20	5.5
441	0.82	1.00	72.28	59.69	5.2	3.55	4.50	2.44	3.4
442	0.52	0.72	106.14	77.30	5.1	3.35	3.20	5.67	5.3
443	0.52	0.72	106.14	77.30	5.3	3.24	3.09	5.4 ⁹	5.2
444	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
445	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3
446	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
447	0.82	1.00	98.25	80.63	5.3	4.68	5.00	3.35	3.4
448	0.69	0.91	82.65	63.61	5.2	5.44	5.75	3.69	4.5
449	0.68	1.00	83.59	58.67	5.5	5.19	5.46	4.53	5.4
450	0.76	1.09	103.58	74.51	5.4	5.00	5.22	5.37	5.2
451	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
452	0.83	1.27	95.36	65.04	5.5	6.36	6.95	5.51	5.8
453	0.78	1.18	77.34	52.75	5.3	3.16	3.66	4.61	6.0
454	0.82	1.09	69.95	53.33	5.4	4.47	5.87	3.07	4.4
455	0.56	0.63	141.47	123.73	5.2	2.92	2.53	3.44	2.4
456	0.85	1.27	68.61	47.56	5.1	4.08	5.53	4.14	6.0
457	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3
458	0.78	0.91	72.29	61.92	5.3	5.31	6.65	1.94	2.7
459	0.82	1.09	69.95	53.33	5.4	4.47	5.87	3.07	4.4
460	0.85	1.09	93.64	74.12	5.5	5.25	5.79	3.55	3.8
461	0.72	1.00	77.30	57.41	5.3	5.74	6.53	3.79	4.9
462	0.78	1.09	72.70	53.33	5.3	5.65	6.43	3.63	5.0
463	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2
464	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
465	0.65	0.91	120.09	88.36	5.4	3.09	2.97	5.86	4.9
466	0.65	0.91	120.09	88.36	5.1	3.30	3.17	6.24	5.2
467	0.76	1.00	106.00	81.95	5.5	3.64	3.70	4.37	4.1
468	0.85	1.18	93.64	69.26	5.3	5.41	5.97	4.57	4.9
469	0.78	0.91	77.34	65.90	5.4	3.11	3.61	2.11	2.7
470	0.83	1.18	67.90	49.31	5.5	5.57	7.62	3.38	5.0
471	0.78	1.18	77.34	52.75	5.3	3.21	3.72	4.68	6.1
472	0.52	0.63	110.36	89.73	5.4	1.97	1.80	3.81	3.5
473	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
474	0.76	1.00	106.00	81.95	5.0	4.00	4.07	4.81	4.5



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR Thai	% Δ GFR Thai
475	0.69	1.00	80.28	57.11	5.2	6.61	7.23	4.48	5.6
476	0.82	1.09	98.81	75.30	5.1	4.87	5.16	4.63	4.7
477	0.65	0.72	91.16	80.63	5.5	1.77	1.74	1.91	2.1
478	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
479	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2
480	0.83	1.00	72.55	60.41	5.3	3.34	4.23	2.31	3.2
481	0.83	1.00	72.08	60.05	5.2	3.37	4.30	2.33	3.2
482	0.69	0.91	116.09	89.34	5.5	2.67	2.58	4.86	4.2
483	0.63	0.82	126.82	99.39	5.4	2.60	2.39	5.06	4.0
484	0.68	0.82	84.63	70.35	5.1	3.03	2.92	2.81	3.3
485	0.69	1.00	80.28	57.11	5.0	6.83	7.47	4.63	5.8
486	0.82	1.09	97.89	75.30	5.4	4.49	4.78	4.17	4.3
487	0.68	0.82	121.18	100.58	5.3	2.13	1.99	3.92	3.2
488	0.72	1.00	77.30	57.41	5.2	5.83	6.64	3.85	5.0
489	0.82	1.18	70.76	50.37	5.5	4.10	5.45	3.71	5.2
490	0.68	0.82	86.86	72.05	5.1	4.00	4.03	2.91	3.4
491	0.83	1.18	69.46	50.37	5.4	4.16	5.53	3.52	5.1
492	0.63	0.82	90.26	69.95	5.5	5.15	5.40	3.69	4.1
493	0.82	1.18	69.95	49.83	5.3	4.61	6.06	3.83	5.5
494	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
495	0.65	0.91	120.09	88.36	5.3	3.19	3.07	6.04	5.0
496	0.85	1.18	66.67	49.31	5.2	5.56	7.81	3.36	5.0
497	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7
498	0.63	0.82	89.73	70.35	5.4	4.06	4.11	3.58	4.0
499	0.56	0.72	141.47	110.48	5.5	2.74	2.37	5.64	4.0
500	0.76	1.09	75.47	54.20	5.0	5.12	6.06	4.26	5.6
501	0.65	0.91	91.16	66.73	5.1	1.92	1.88	4.81	5.3
502	0.65	0.91	120.09	88.36	5.4	3.09	2.97	5.86	4.9



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
503	0.76	1.00	106.00	81.95	5.6	3.58	3.64	4.31	4.1
504	0.69	0.91	80.28	61.92	5.3	6.50	7.11	3.50	4.4
505	0.76	1.00	106.00	81.95	5.2	3.87	3.94	4.66	4.4
506	0.82	1.18	69.95	49.83	5.1	4.77	6.26	3.96	5.7
507	0.85	1.18	93.64	69.26	5.3	5.50	6.06	4.64	5.0
508	0.78	1.18	77.34	52.75	5.3	3.16	3.66	4.61	6.0
509	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2
510	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
511	0.72	1.00	77.30	57.41	5.3	5.74	6.53	3.79	4.9
512	0.62	0.82	128.35	98.25	5.2	2.94	2.70	5.83	4.5
513	0.54	0.63	105.67	89.73	5.4	1.63	1.52	2.94	2.8
514	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
515	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7
516	0.56	0.63	141.47	123.73	5.3	2.87	2.49	3.38	2.4
517	0.52	0.63	155.01	126.02	5.3	2.58	2.11	5.44	3.5
518	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
519	0.69	0.82	116.80	98.25	5.3	2.81	2.71	3.53	3.0
520	0.56	0.72	100.73	78.66	5.2	2.80	2.69	4.27	4.2
521	0.56	0.72	100.73	78.66	5.1	2.85	2.73	4.34	4.3
522	0.52	0.63	110.36	89.73	5.4	1.97	1.80	3.81	3.5
523	0.65	0.91	85.51	62.91	5.3	5.51	5.80	4.24	5.0
524	0.82	1.00	72.28	59.69	5.4	3.38	4.29	2.32	3.2
525	0.68	0.91	117.40	89.34	5.5	2.77	2.67	5.10	4.3
526	0.68	0.91	83.59	63.61	5.3	5.44	5.72	3.80	4.6
527	0.82	1.18	98.25	69.98	5.3	4.61	4.92	5.30	5.4
528	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1
529	0.82	1.18	98.25	69.98	5.3	4.61	4.92	5.30	5.4
530	0.62	0.82	91.39	69.95	5.1	4.48	4.53	4.22	4.6



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{cs} Thai	% Δ GFR Thai
531	0.76	1.00	106.00	81.95	5.2	3.87	3.94	4.66	4.4
532	0.68	1.00	83.59	58.67	5.5	3.80	5.12	4.53	5.4
533	0.56	0.72	136.33	106.77	5.5	2.63	2.37	5.37	3.9
534	0.63	0.82	126.02	98.81	5.3	2.67	2.46	5.18	4.1
535	0.56	0.72	141.47	110.48	5.3	2.83	2.45	5.81	4.1
536	0.82	1.36	71.61	45.10	5.4	3.86	5.19	4.89	6.8
537	0.78	0.91	72.29	61.92	5.3	5.31	6.65	1.94	2.7
538	0.83	1.00	72.08	60.05	5.3	3.32	4.23	2.29	3.2
539	0.69	1.00	80.28	57.11	5.5	6.21	6.79	4.21	5.2
540	0.69	1.00	112.75	80.21	5.4	4.33	4.35	6.01	5.3
541	0.82	1.09	98.25	74.90	5.1	4.83	5.16	4.59	4.7
542	0.82	1.00	72.50	59.35	5.4	3.56	4.48	2.43	3.4
543	0.82	1.09	97.89	75.30	5.5	4.42	4.71	4.11	4.2
544	0.82	1.09	97.89	75.30	5.3	4.63	4.93	4.30	4.4
545	0.69	0.82	116.80	98.25	5.3	2.77	2.66	3.48	3.0
546	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
547	0.69	0.91	116.09	89.34	5.5	2.67	2.58	4.86	4.2
548	0.63	0.82	126.82	99.39	5.4	2.60	2.39	5.06	4.0
549	0.76	1.09	75.93	54.50	5.5	5.11	5.40	3.90	5.1
550	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
551	0.65	0.91	91.16	66.73	5.2	1.89	1.85	4.73	5.2
552	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
553	0.78	0.91	108.62	92.55	5.3	1.90	1.85	3.06	2.8
554	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
555	0.82	1.09	98.81	75.30	5.1	4.87	5.16	4.63	4.7
556	0.63	0.82	126.02	98.81	5.6	2.51	2.32	4.87	3.9
557	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
558	0.63	0.72	129.34	111.83	5.4	1.98	1.83	3.23	2.5



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{cbs} Thai	% Δ GFR Thai
559	0.72	1.27	77.30	46.79	5.3	5.74	6.53	5.81	7.5
560	0.85	1.18	66.67	49.31	5.2	4.79	6.73	3.36	5.0
561	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
562	0.82	1.09	69.95	53.33	5.4	4.47	5.87	3.07	4.4
563	0.76	1.00	75.47	58.35	5.5	4.66	5.51	3.11	4.1
564	0.78	1.00	101.53	80.21	5.3	3.53	3.73	4.06	4.0
565	0.69	0.91	83.16	63.97	5.0	5.66	5.94	3.84	4.6
566	0.76	1.09	75.47	54.20	5.1	5.04	5.96	4.19	5.5
567	0.52	0.63	155.01	126.02	5.4	2.54	2.08	5.35	3.5
568	0.85	1.18	66.67	49.31	5.6	4.43	6.23	3.11	4.7
569	0.85	1.27	69.02	47.82	5.3	3.98	5.36	4.04	5.9
570	0.85	1.18	66.67	49.31	5.2	4.79	6.73	3.36	5.0
571	0.69	0.91	83.16	63.97	5.1	5.57	5.84	3.77	4.5
572	0.72	1.27	77.30	46.79	5.3	5.74	6.53	5.81	7.5
573	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
574	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
575	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3
576	0.62	0.82	91.39	69.95	5.3	4.34	4.38	4.08	4.5
577	0.82	1.00	101.83	83.35	5.2	3.41	3.49	3.58	3.5
578	0.72	1.09	107.36	74.12	5.5	5.24	5.40	6.04	5.6
579	0.52	0.63	110.36	89.73	5.4	1.97	1.80	3.81	3.5
580	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3
581	0.82	1.18	69.95	49.83	5.3	4.61	6.06	3.83	5.5
582	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
583	0.83	1.00	72.08	60.05	5.3	3.32	4.23	2.29	3.2
584	0.82	1.09	70.76	53.90	5.2	4.36	5.80	3.26	4.6
585	0.78	1.18	100.97	69.26	5.1	6.34	6.74	6.24	6.2
586	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{Thai} Thai	% Δ GFR Thai
587	0.85	1.18	68.20	50.37	5.3	4.23	5.62	3.34	4.9
588	0.85	1.09	69.02	54.50	5.4	3.86	5.19	2.68	3.9
589	0.76	1.00	75.47	58.35	5.5	4.66	5.51	3.11	4.1
590	0.52	0.63	110.36	89.73	5.5	1.94	1.77	3.75	3.4
591	0.82	1.00	98.25	80.63	5.3	4.68	5.00	3.35	3.4
592	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2
593	0.63	0.82	127.57	98.81	5.1	2.88	2.64	5.66	4.4
594	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
595	0.69	0.91	83.16	63.97	5.2	5.48	5.75	3.71	4.5
596	0.76	1.00	106.00	81.95	5.5	3.64	3.70	4.37	4.1
597	0.82	1.27	68.53	46.31	5.4	5.10	6.88	4.10	6.0
598	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
599	0.76	1.00	77.86	60.05	5.4	3.22	4.10	3.29	4.2
600	0.83	1.00	101.24	84.33	5.5	3.09	3.15	3.07	3.0
601	0.72	1.27	77.30	46.79	5.3	5.74	6.53	5.81	7.5
602	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
603	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4
604	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8
605	0.82	1.09	98.25	74.90	5.4	4.54	4.84	4.31	4.4
606	0.69	0.91	80.28	61.92	5.3	6.50	7.11	3.50	4.4
607	0.82	1.00	72.28	59.69	5.2	3.55	4.50	2.44	3.4
608	0.68	1.00	83.59	58.67	5.5	5.19	5.46	4.53	5.4
609	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1
610	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2
611	0.65	0.72	91.16	80.63	5.0	1.95	1.91	2.11	2.3
612	0.85	1.00	71.24	60.41	5.4	2.86	3.72	2.00	2.8
613	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3
614	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1



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No	bSCR	fSCR	bgFR	fgFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{Thai} Thai	% Δ GFR Thai
615	0.54	0.63	105.67	89.73	5.5	1.61	1.50	2.90	2.7
616	0.65	0.91	91.16	66.73	5.2	1.89	1.85	4.73	5.2
617	0.82	1.00	72.75	60.05	5.3	3.52	4.43	2.42	3.3
618	0.76	1.09	78.37	56.11	5.3	3.29	4.16	4.17	5.3
619	0.83	1.00	72.08	60.05	5.3	3.32	4.23	2.29	3.2
620	0.65	0.91	91.16	66.73	5.1	1.92	1.88	4.81	5.3
621	0.72	0.82	82.79	72.50	5.3	2.89	3.05	1.93	2.3
622	0.85	1.00	100.06	84.84	5.5	2.95	3.01	2.77	2.8
623	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3
624	0.82	1.36	71.61	45.10	5.5	3.80	5.12	4.82	6.7
625	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
626	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
627	0.56	0.72	141.47	110.48	5.5	2.74	2.37	5.64	4.0
628	0.72	1.00	108.57	80.63	5.3	4.10	4.17	5.32	4.9
629	0.82	1.09	69.95	53.33	5.3	4.54	5.97	3.12	4.5
630	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
631	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3
632	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
633	0.68	0.91	83.59	63.61	5.3	5.44	5.72	3.80	4.6
634	0.65	0.91	91.16	66.73	5.2	1.89	1.85	4.73	5.2
635	0.72	1.09	107.36	74.12	5.1	5.67	5.84	6.54	6.1
636	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
637	0.63	0.82	126.02	98.81	5.6	2.51	2.32	4.87	3.9
638	0.82	1.09	70.76	53.90	5.2	4.36	5.80	3.26	4.6
639	0.78	1.00	101.53	80.21	5.3	3.53	3.73	4.06	4.0
640	0.69	0.91	79.84	61.60	5.3	5.36	7.14	3.42	4.3
641	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
642	0.63	0.82	89.73	70.35	5.3	4.12	4.18	3.63	4.0



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
643	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
644	0.82	1.00	98.25	80.63	5.3	4.68	5.00	3.35	3.4
645	0.56	0.63	145.34	126.82	5.5	1.76	1.48	3.37	2.3
646	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
647	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
648	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7
649	0.83	1.09	97.55	75.71	5.3	4.58	4.87	4.16	4.3
650	0.82	1.09	69.95	53.33	5.3	4.54	5.97	3.12	4.5
651	0.69	0.91	82.65	63.61	5.4	5.27	5.54	3.52	4.3
652	0.62	0.82	128.35	98.25	5.3	2.85	2.62	5.65	4.4
653	0.83	1.00	101.24	84.33	5.4	3.14	3.19	3.12	3.1
654	0.83	1.00	72.08	60.05	5.3	3.32	4.23	2.29	3.2
655	0.76	1.09	75.47	54.20	5.2	4.96	5.87	4.12	5.5
656	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
657	0.82	1.09	69.95	53.33	5.4	4.47	5.87	3.07	4.4
658	0.69	0.91	82.65	63.61	5.3	5.35	5.63	3.57	4.3
659	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4
660	0.63	0.82	126.02	98.81	5.5	2.55	2.35	4.95	3.9
661	0.78	0.91	108.62	92.55	5.1	1.96	1.91	3.16	2.9
662	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
663	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2
664	0.69	1.00	80.28	57.11	5.2	6.61	7.23	4.48	5.6
665	0.63	0.82	90.26	69.95	5.5	5.15	5.40	3.69	4.1
666	0.78	1.09	101.53	74.51	5.4	4.83	5.09	4.99	4.9
667	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9
668	0.82	1.09	70.35	53.61	5.4	4.50	5.87	3.09	4.4
669	0.62	0.82	128.35	98.25	5.5	2.76	2.54	5.47	4.3
670	0.72	1.09	107.36	74.12	5.3	5.49	5.66	6.33	5.9



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
671	0.65	0.91	91.16	66.73	5.3	1.83	1.79	4.58	5.0
672	0.85	1.27	93.64	65.04	5.3	6.41	7.06	5.36	5.7
673	0.82	1.18	69.70	50.09	5.4	4.32	5.70	3.62	5.2
674	0.78	0.91	108.62	92.55	5.3	1.90	1.85	3.06	2.8
675	0.78	1.09	72.29	53.05	5.2	5.48	6.86	3.72	5.2
676	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7
677	0.72	1.00	77.30	57.41	5.1	5.92	6.75	3.91	5.1
678	0.52	0.63	157.19	127.64	5.5	1.23	0.99	5.37	3.4
679	0.69	0.91	116.09	89.34	5.5	2.67	2.58	4.86	4.2
680	0.68	0.82	84.63	70.35	5.1	3.03	2.92	2.81	3.3
681	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
682	0.63	0.82	126.82	99.39	5.4	2.60	2.39	5.06	4.0
683	0.68	0.82	84.63	70.35	5.1	3.03	2.92	2.81	3.3
684	0.65	0.91	91.16	66.73	5.3	1.86	1.82	4.65	5.1
685	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
686	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
687	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
688	0.63	0.82	126.82	99.39	5.6	2.53	2.32	4.91	3.9
689	0.65	0.91	91.16	66.73	5.1	1.92	1.88	4.81	5.3
690	0.76	1.00	106.00	81.95	5.0	4.00	4.07	4.81	4.5
691	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3
692	0.69	1.00	80.28	57.11	5.0	6.83	7.47	4.63	5.8
693	0.85	1.18	66.67	49.31	5.3	4.72	6.62	3.31	5.0
694	0.82	1.27	71.18	47.56	5.3	4.80	5.68	4.43	6.2
695	0.52	0.54	111.92	103.57	5.3	1.05	0.95	1.57	1.4
696	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
697	0.85	1.09	96.94	76.55	5.3	4.49	4.74	3.88	4.0
698	0.68	0.91	83.59	63.61	5.2	5.52	5.81	3.87	4.6



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{Thai} Thai	% Δ GFR Thai
699	0.62	0.82	128.35	98.25	5.5	2.76	2.54	5.47	4.3
700	0.62	0.82	91.39	69.95	5.0	4.55	4.60	4.29	4.7
701	0.68	0.91	83.59	63.61	5.1	5.61	5.90	3.93	4.7
702	0.82	1.00	72.28	59.69	5.4	3.38	4.29	2.32	3.2
703	0.68	0.91	83.59	63.61	5.6	5.11	5.37	3.58	4.3
704	0.82	1.27	71.18	47.56	5.3	4.88	5.77	4.50	6.3
705	0.65	0.72	128.03	113.24	5.2	1.63	1.46	2.86	2.2
706	0.82	1.09	70.76	53.90	5.1	4.43	5.90	3.32	4.7
707	0.62	0.82	128.35	98.25	5.3	2.89	2.66	5.73	4.5
708	0.56	0.82	97.07	68.79	5.3	4.74	4.75	5.30	5.5
709	0.78	0.91	108.62	92.55	5.4	1.84	1.80	2.97	2.7
710	0.85	1.18	93.64	69.26	5.3	5.41	5.97	4.57	4.9
711	0.82	1.00	101.52	83.84	5.3	3.30	3.37	3.37	3.3
712	0.82	1.00	72.28	59.69	5.2	3.55	4.50	2.44	3.4
713	0.62	0.82	128.35	98.25	5.5	2.76	2.54	5.47	4.3
714	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
715	0.83	1.09	97.55	75.71	5.3	4.51	4.79	4.10	4.2
716	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4
717	0.56	0.63	103.48	90.29	5.5	1.41	1.31	2.40	2.3
718	0.82	1.09	71.61	54.50	5.3	4.46	5.39	3.26	4.6
719	0.78	1.18	100.97	69.26	5.4	5.95	6.33	5.85	5.8
720	0.85	1.18	66.67	49.31	5.3	4.72	6.62	3.31	5.0
721	0.76	1.00	106.00	81.95	5.2	3.87	3.94	4.66	4.4
722	0.83	1.27	67.90	46.31	5.1	6.02	8.24	4.25	6.3
723	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
724	0.82	1.27	71.18	47.56	5.3	4.80	5.68	4.43	6.2
725	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
726	0.76	1.00	106.00	81.95	5.0	4.00	4.07	4.81	4.5



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
727	0.78	0.91	108.62	92.55	5.3	1.90	1.85	3.06	2.8
728	0.65	0.72	91.16	80.63	5.5	1.77	1.74	1.91	2.1
729	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
730	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1
731	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
732	0.68	0.82	84.63	70.35	5.1	3.03	2.92	2.81	3.3
733	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
734	0.56	0.63	145.34	126.82	5.4	1.79	1.50	3.42	2.4
735	0.82	1.00	72.75	60.05	5.3	3.52	4.43	2.42	3.3
736	0.83	1.00	72.55	60.41	5.1	3.45	4.37	2.39	3.3
737	0.83	1.00	72.55	60.41	5.3	3.34	4.23	2.31	3.2
738	0.54	0.63	149.44	126.82	5.2	1.49	1.47	4.38	2.9
739	0.83	1.00	72.55	60.41	5.1	3.45	4.37	2.39	3.3
740	0.65	0.72	91.16	80.63	5.0	1.95	1.91	2.11	2.3
741	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
742	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
743	0.85	1.27	68.61	47.56	5.1	4.08	5.53	4.14	6.0
744	0.54	0.63	149.44	126.82	5.2	1.49	1.47	4.38	2.9
745	0.78	0.91	77.34	65.90	5.2	3.26	3.78	2.21	2.9
746	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
747	0.63	0.82	126.82	99.39	5.6	2.53	2.32	4.91	3.9
748	0.85	1.00	71.24	60.41	5.4	2.86	3.72	2.00	2.8
749	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
750	0.85	1.00	100.06	84.84	5.4	3.00	3.06	2.81	2.8
751	0.72	1.09	76.44	52.78	5.1	6.96	8.04	4.65	6.1
752	0.85	1.00	71.24	60.41	5.4	2.86	3.72	2.00	2.8
753	0.63	0.82	126.82	99.39	5.4	2.60	2.39	5.06	4.0
754	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{QUS} Thai	% Δ GFR Thai
755	0.78	0.91	77.87	66.31	5.3	3.24	3.72	2.20	2.8
756	0.85	1.27	68.61	47.56	5.1	4.08	5.53	4.14	6.0
757	0.54	0.63	149.44	126.82	5.2	1.49	1.47	4.38	2.9
758	0.65	0.72	91.16	80.63	5.4	1.80	1.76	1.94	2.1
759	0.69	0.91	82.65	63.61	5.5	5.11	5.40	3.46	4.2
760	0.82	1.18	70.76	50.37	5.5	4.10	5.45	3.71	5.2
761	0.76	1.18	78.37	52.43	5.3	3.60	4.09	4.86	6.2
762	0.85	1.09	69.02	54.50	5.2	4.05	5.45	2.81	4.1
763	0.83	1.00	101.24	84.33	5.4	3.14	3.19	3.12	3.1
764	0.72	0.82	77.30	68.06	5.5	5.48	6.24	1.68	2.2
765	0.82	1.27	71.18	47.56	5.3	4.88	5.77	4.50	6.3
766	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2
767	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3
768	0.65	0.72	91.16	80.63	5.5	1.77	1.74	1.91	2.1
769	0.65	0.91	91.16	66.73	5.3	1.83	1.79	4.58	5.0
770	0.65	0.72	91.16	80.63	5.0	1.95	1.91	2.11	2.3
771	0.82	1.36	71.61	45.10	5.5	3.80	5.12	4.82	6.7
772	0.54	0.63	105.67	89.73	5.5	1.61	1.50	2.90	2.7
773	0.82	1.36	71.61	45.10	5.5	3.80	5.12	4.82	6.7
774	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
775	0.82	1.09	97.89	75.30	5.3	4.56	4.85	4.24	4.3
776	0.78	1.18	77.34	52.75	5.1	3.32	3.84	4.84	6.3
777	0.72	1.00	108.57	80.63	5.3	4.04	4.11	5.24	4.8
778	0.54	0.72	102.26	77.74	5.4	2.84	2.74	4.53	4.4
779	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2
780	0.65	0.91	85.51	62.91	5.2	5.69	5.99	4.37	5.1
781	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
782	0.82	1.00	100.58	82.41	5.4	4.35	4.60	3.36	3.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{30s} Thai	% Δ GFR Thai
783	0.83	1.09	97.55	75.71	5.3	4.51	4.79	4.10	4.2
784	0.82	1.09	97.89	75.30	5.4	4.49	4.78	4.17	4.3
785	0.78	1.18	77.34	52.75	5.3	3.21	3.72	4.68	6.1
786	0.69	0.82	116.80	98.25	5.3	2.77	2.66	3.48	3.0
787	0.82	1.00	72.75	60.05	5.4	3.41	4.29	2.35	3.2
788	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8
789	0.82	1.18	69.17	49.31	5.3	5.45	7.26	3.78	5.5
790	0.63	0.82	126.02	98.81	5.2	2.71	2.50	5.27	4.2
791	0.82	1.09	70.35	53.61	5.4	4.50	5.87	3.09	4.4
792	0.69	1.00	112.75	80.21	5.1	4.62	4.63	6.40	5.7
793	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
794	0.78	0.91	108.62	92.55	5.5	1.81	1.77	2.92	2.7
795	0.69	1.00	112.75	80.21	5.3	4.47	4.48	6.20	5.5
796	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
797	0.63	0.82	126.02	98.81	5.4	2.59	2.39	5.02	4.0
798	0.78	1.09	74.43	54.50	5.3	4.39	5.31	3.74	5.0
799	0.78	1.00	74.43	58.67	5.4	4.32	5.22	2.91	3.9
800	0.56	0.72	100.73	78.66	5.2	2.80	2.69	4.27	4.2
801	0.76	1.09	73.75	53.05	5.0	6.13	7.45	4.14	5.6
802	0.76	1.09	103.58	74.51	5.1	5.32	5.56	5.72	5.5
803	0.85	1.00	100.06	84.84	5.4	3.00	3.06	2.81	2.8
804	0.63	0.82	127.57	98.81	5.6	2.62	2.41	5.15	4.0
805	0.65	0.91	120.09	88.36	5.3	3.19	3.07	6.04	5.0
806	0.68	0.91	83.59	63.61	5.2	5.52	5.81	3.87	4.6
807	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2
808	0.63	0.82	89.73	70.35	5.3	4.19	4.24	3.69	4.1
809	0.52	0.63	110.36	89.73	5.3	2.00	1.83	3.87	3.5
810	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
811	0.69	0.82	85.89	72.05	5.3	3.79	3.84	2.63	3.1
812	0.85	1.09	71.24	56.11	5.3	3.79	3.84	2.84	4.0
813	0.68	0.82	86.28	71.61	5.1	3.97	4.03	2.88	3.3
814	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
815	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3
816	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2
817	0.83	1.00	72.08	60.05	5.3	3.32	4.23	2.29	3.2
818	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
819	0.69	0.82	85.89	72.05	5.1	3.92	3.96	2.72	3.2
820	0.69	1.00	80.28	57.11	5.2	6.61	7.23	4.48	5.6
821	0.85	1.00	100.06	84.84	5.5	2.95	3.01	2.77	2.8
822	0.82	1.09	70.35	53.61	5.4	4.50	5.87	3.09	4.4
823	0.69	1.00	79.84	56.82	5.4	5.28	7.03	4.25	5.3
824	0.82	1.09	98.81	75.30	5.3	4.71	5.00	4.48	4.5
825	0.82	1.18	70.35	50.09	5.2	4.72	6.16	3.92	5.6
826	0.69	0.91	116.80	89.85	5.5	2.69	2.58	4.90	4.2
827	0.56	0.72	100.73	78.66	5.4	2.67	2.57	4.07	4.0
828	0.63	0.72	129.34	111.83	5.3	2.01	1.86	3.28	2.5
829	0.56	0.72	100.73	78.66	5.4	2.67	2.57	4.07	4.0
830	0.63	0.91	120.23	86.52	5.5	3.18	3.10	6.13	5.1
831	0.56	0.72	100.73	78.66	5.3	2.76	2.65	4.20	4.2
832	0.69	0.82	83.16	69.95	5.3	5.31	5.57	2.48	3.0
833	0.63	0.82	126.02	98.81	5.3	2.63	2.42	5.10	4.0
834	0.76	1.00	77.86	60.05	5.4	3.22	4.10	3.29	4.2
835	0.82	1.09	69.70	53.61	5.3	4.45	5.89	3.06	4.4
836	0.63	0.82	89.73	70.35	5.2	4.25	4.31	3.75	4.2
837	0.78	0.91	108.62	92.55	5.4	1.84	1.80	2.97	2.7
838	0.82	1.09	97.89	75.30	5.4	4.49	4.78	4.17	4.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
839	0.56	0.72	141.47	110.48	5.5	2.74	2.37	5.64	4.0
840	0.85	1.09	96.94	76.55	5.3	4.49	4.74	3.88	4.0
841	0.52	0.63	110.36	89.73	5.3	2.00	1.83	3.87	3.5
842	0.68	0.91	83.59	63.61	5.1	5.61	5.90	3.93	4.7
843	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5
844	0.82	1.09	70.35	53.61	5.4	4.50	5.87	3.09	4.4
845	0.82	1.18	70.35	50.09	5.1	4.80	6.26	3.99	5.7
846	0.76	1.09	75.47	54.20	5.2	4.96	5.87	4.12	5.5
847	0.82	1.18	69.17	49.31	5.5	5.02	6.78	3.61	5.2
848	0.85	1.00	100.06	84.84	5.4	3.00	3.06	2.81	2.8
849	0.69	1.00	79.84	56.82	5.3	5.36	7.14	4.32	5.4
850	0.69	0.91	82.65	63.61	5.4	5.27	5.54	3.52	4.3
851	0.63	0.82	90.83	70.35	5.5	4.00	4.05	3.72	4.1
852	0.63	0.82	90.83	70.35	5.3	4.28	4.31	3.90	4.3
853	0.76	1.18	78.37	52.43	5.3	3.60	4.09	4.86	6.2
854	0.76	1.09	78.37	56.11	5.4	6.07	6.88	4.11	5.2
855	0.76	1.36	73.34	43.68	5.3	7.97	9.77	5.56	7.6
856	0.76	1.09	78.37	56.11	5.4	6.07	6.88	4.11	5.2
857	0.76	0.91	110.07	91.99	5.3	2.07	2.02	3.45	3.1
858	0.76	0.91	78.37	65.49	5.2	3.72	4.22	2.49	3.2
859	0.76	1.09	78.37	56.11	5.5	5.97	6.78	4.05	5.2
860	0.65	0.91	120.09	88.36	5.1	3.30	3.17	6.24	5.2
861	0.69	1.00	79.84	56.82	5.4	5.28	7.03	4.25	5.3
862	0.52	0.63	155.01	126.02	5.5	2.50	2.05	5.27	3.4
863	0.54	0.72	102.26	77.74	5.3	2.93	2.82	4.67	4.6
864	0.62	0.82	95.03	72.50	5.3	2.17	2.11	4.22	4.4
865	0.56	0.72	100.73	78.66	5.4	2.67	2.57	4.07	4.0
866	0.82	1.00	102.18	84.33	5.3	3.32	3.37	3.40	3.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
867	0.82	1.09	70.76	53.90	5.2	4.36	5.80	3.26	4.6
868	0.65	0.72	91.16	80.63	5.0	1.95	1.91	2.11	2.3
869	0.65	0.91	91.16	66.73	5.1	1.92	1.88	4.81	5.3
870	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
871	0.62	0.82	128.35	98.25	5.3	2.89	2.66	5.73	4.5
872	0.65	0.91	91.16	66.73	5.2	1.89	1.85	4.73	5.2
873	0.78	1.00	77.34	60.78	5.1	3.32	3.84	3.26	4.2
874	0.83	1.00	101.90	84.84	5.3	3.26	3.29	3.25	3.2
875	0.63	0.82	126.02	98.81	5.3	2.63	2.42	5.10	4.0
876	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7
877	0.56	0.63	142.40	124.47	5.3	2.85	2.45	3.36	2.4
878	0.63	0.82	126.02	98.81	5.4	2.59	2.39	5.02	4.0
879	0.63	0.82	126.82	99.39	5.3	2.69	2.46	5.22	4.1
880	0.76	1.09	73.75	53.05	5.2	5.93	7.21	4.01	5.4
881	0.63	0.82	90.29	70.76	5.2	4.28	4.31	3.78	4.2
882	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7
883	0.63	0.82	127.57	98.81	5.4	2.70	2.48	5.31	4.2
884	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
885	0.63	0.82	90.26	69.95	5.5	5.15	5.40	3.69	4.1
886	0.82	1.09	70.35	53.61	5.3	4.65	6.06	3.19	4.5
887	0.85	1.18	66.67	49.31	5.3	5.39	7.57	3.25	4.9
888	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9
889	0.65	0.91	85.51	62.91	5.3	5.51	5.80	4.24	5.0
890	0.62	0.72	133.46	112.53	5.4	2.03	1.79	3.87	2.9
891	0.82	1.09	70.35	53.61	5.3	4.45	5.89	3.19	4.5
892	0.63	0.82	127.57	98.81	5.2	2.83	2.60	5.57	4.4
893	0.72	1.00	77.30	57.41	5.1	5.92	6.75	3.91	5.1
894	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
895	0.82	1.09	70.35	53.61	5.4	4.50	5.87	3.09	4.4
896	0.54	0.72	102.90	78.20	5.5	2.82	2.69	4.49	4.4
897	0.78	1.18	100.97	69.26	5.3	6.14	6.53	6.04	6.0
898	0.69	0.91	82.65	63.61	5.3	5.35	5.63	3.57	4.3
899	0.82	1.00	72.28	59.69	5.1	3.82	4.77	2.48	3.4
900	0.78	1.09	72.70	53.33	5.3	5.65	6.43	3.63	5.0
901	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7
902	0.78	1.00	104.54	82.41	5.1	3.78	3.85	4.35	4.2
903	0.82	1.09	97.89	75.30	5.2	4.71	5.01	4.37	4.5
904	0.85	1.00	100.06	84.84	5.5	2.95	3.01	2.77	2.8
905	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4
906	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5
907	0.65	0.91	120.09	88.36	5.4	3.09	2.97	5.86	4.9
908	0.76	1.09	78.37	56.11	5.5	5.97	6.78	4.05	5.2
909	0.76	0.91	110.07	91.99	5.3	2.07	2.02	3.45	3.1
910	0.68	0.91	117.40	89.34	5.3	2.86	2.75	5.26	4.5
911	0.68	0.82	86.86	72.05	5.4	3.75	3.78	2.73	3.1
912	0.62	0.72	133.46	112.53	5.3	2.06	1.82	3.93	2.9
913	0.62	0.72	133.46	112.53	5.4	2.03	1.79	3.87	2.9
914	0.68	0.91	86.86	65.90	5.3	3.87	3.90	3.99	4.6
915	0.78	1.18	71.89	49.31	5.2	6.36	8.02	4.37	6.1
916	0.68	1.00	83.59	58.67	5.5	5.19	5.46	4.53	5.4
917	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
918	0.83	1.09	97.55	75.71	5.1	4.73	5.03	4.30	4.4
919	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
920	0.63	0.82	126.82	99.39	5.5	2.56	2.35	4.99	3.9
921	0.83	1.18	69.46	50.37	5.3	4.29	5.71	3.64	5.2
922	0.82	1.09	96.25	74.12	5.3	4.46	4.85	4.15	4.3



No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
923	0.83	1.27	69.46	47.30	5.4	4.16	5.53	4.09	5.9
924	0.78	0.91	77.34	65.90	5.4	3.11	3.61	2.11	2.7
925	0.82	1.09	70.35	53.61	5.3	4.65	6.06	3.19	4.5
926	0.54	0.72	144.53	109.83	5.2	3.20	2.75	6.72	4.6
927	0.69	0.91	116.80	89.85	5.0	2.95	2.84	5.39	4.6
928	0.82	1.09	97.89	75.30	5.3	4.56	4.85	4.24	4.3
929	0.82	1.18	69.70	50.09	5.4	4.32	5.70	3.62	5.2
930	0.76	1.09	75.47	54.20	5.4	4.73	5.60	3.93	5.2
931	0.76	1.09	75.47	54.20	5.0	5.12	6.06	4.26	5.6
932	0.72	1.00	108.57	80.63	5.2	4.17	4.24	5.41	5.0
933	0.78	1.18	72.29	49.57	5.5	5.15	6.45	4.13	5.7
934	0.68	1.00	83.59	58.67	5.5	5.19	5.46	4.53	5.4
935	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3
936	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4
937	0.56	0.72	101.39	79.14	5.5	2.65	2.53	4.05	4.0
938	0.68	1.00	114.03	80.21	5.0	4.80	4.79	6.76	5.9
939	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4
940	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8
941	0.83	1.00	72.55	60.41	5.3	3.34	4.23	2.31	3.2
942	0.63	0.82	90.29	70.76	5.0	4.43	4.46	3.91	4.3
943	0.63	0.82	91.40	70.76	5.5	4.03	4.05	3.75	4.1
944	0.68	0.91	117.40	89.34	5.2	2.95	2.84	5.43	4.6
945	0.76	1.00	78.37	60.41	5.4	3.24	4.10	3.32	4.2
946	0.83	0.91	74.05	66.73	5.1	2.02	2.50	1.44	1.9
947	0.83	0.91	74.05	66.73	5.3	1.95	2.42	1.39	1.9
948	0.78	1.09	72.70	53.33	5.3	5.65	6.43	3.63	5.0
949	0.69	1.00	112.75	80.21	5.4	4.33	4.35	6.01	5.3
950	0.78	1.09	72.70	53.33	5.3	5.65	6.43	3.63	5.0



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
951	0.82	1.18	69.70	50.09	5.4	4.32	5.70	3.62	5.2
952	0.69	0.91	116.80	89.85	5.3	2.81	2.71	5.13	4.4
953	0.72	1.00	77.30	57.41	5.2	5.83	6.64	3.85	5.0
954	0.69	0.91	116.80	89.85	5.5	2.69	2.58	4.90	4.2
955	0.76	1.00	78.37	60.41	5.4	3.24	4.10	3.32	4.2
956	0.69	0.82	83.16	69.95	5.3	5.31	5.57	2.48	3.0
957	0.63	0.82	90.26	69.95	5.5	5.15	5.40	3.69	4.1
958	0.85	1.18	93.64	69.26	5.0	5.77	6.36	4.88	5.2
959	0.63	0.82	126.82	99.39	5.6	2.53	2.32	4.91	3.9
960	0.82	1.09	70.35	53.61	5.3	4.45	5.89	3.19	4.5
961	0.83	1.09	97.55	75.71	5.2	4.66	4.95	4.23	4.3
962	0.83	1.09	69.46	53.90	5.1	4.43	5.90	3.06	4.4
963	0.54	0.72	102.90	78.20	5.3	2.95	2.82	4.71	4.6
964	0.83	1.00	101.90	84.84	5.3	3.21	3.24	3.20	3.1
965	0.78	0.91	108.62	92.55	5.4	1.84	1.80	2.97	2.7
966	0.54	0.72	102.90	78.20	5.3	2.90	2.78	4.63	4.5
967	0.78	0.91	77.34	65.90	5.4	3.11	3.61	2.11	2.7
968	0.76	1.09	103.58	74.51	5.2	5.24	5.48	5.63	5.4
969	0.54	0.72	102.90	78.20	5.5	2.82	2.69	4.49	4.4
970	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2
971	0.69	0.82	83.16	69.95	5.3	5.31	5.57	2.48	3.0
972	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
973	0.54	0.72	102.90	78.20	5.5	2.82	2.69	4.49	4.4
974	0.69	0.91	83.16	63.97	5.3	5.39	5.66	3.65	4.4
975	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3
976	0.63	0.82	90.83	70.35	5.4	4.14	4.18	3.78	4.2
977	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2
978	0.72	0.91	113.24	90.89	5.3	2.43	2.36	4.26	3.8



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No	bSCR	fSCR	bGFR	fGFR	FUyr	% Δ GFR CKD-EPI	Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai
979	0.56	0.63	103.48	90.29	5.2	1.50	1.40	2.55	2.5
980	0.62	0.82	91.39	69.95	5.1	4.48	4.53	4.22	4.6
981	0.83	0.91	74.05	66.73	5.4	1.89	2.35	1.35	1.8
982	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4
983	0.78	1.18	100.97	69.26	5.4	5.95	6.33	5.85	5.8
984	0.85	1.09	93.64	74.12	5.5	5.25	5.79	3.55	3.8
985	0.76	1.00	106.00	81.95	5.3	3.81	3.87	4.58	4.3
986	0.63	0.82	127.57	98.81	5.3	2.75	2.52	5.39	4.2
987	0.83	1.00	72.55	60.41	5.1	3.45	4.37	2.39	3.3
988	0.82	1.09	69.70	53.61	5.3	4.38	5.79	3.02	4.3
989	0.82	1.18	70.35	50.09	5.1	4.80	6.26	3.99	5.7
990	0.76	1.00	106.00	81.95	5.2	3.87	3.94	4.66	4.4
991	0.54	0.63	148.41	126.02	5.3	2.10	1.76	4.20	2.8
992	0.68	0.82	86.86	72.05	5.5	3.70	3.73	2.69	3.1
993	0.54	0.63	148.41	126.02	5.3	2.14	1.79	4.26	2.9
994	0.82	1.09	69.70	53.61	5.4	4.32	5.70	2.97	4.3
995	0.69	0.82	120.63	101.20	5.3	2.04	1.89	3.70	3.1
996	0.63	0.82	90.83	70.35	5.2	4.35	4.38	3.96	4.4
997	0.83	0.91	74.05	66.73	5.5	1.86	2.31	1.33	1.8
998	0.82	1.00	72.96	59.69	5.4	3.58	4.48	2.45	3.4
999	0.85	1.18	66.67	49.31	5.1	4.87	6.84	3.41	5.1
1000	0.72	0.91	80.63	64.72	5.4	4.47	4.85	2.94	3.6



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ภาคผนวก ง
ข้อมูลค่าประมาณอัตราการกรองของไตของผู้ป่วยกลุ่มทดสอบสมการ

No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai	Δ GFR _{prt} Thai
1	0.68	0.82	121.18	100.58	5.5	2.04	1.89	3.74	3.1	3.86
2	0.72	1.00	115.49	85.36	5.3	4.40	4.17	5.74	5.0	3.54
3	0.72	0.82	82.79	72.50	5.3	2.89	3.05	1.93	2.3	2.42
4	0.52	0.54	111.92	103.57	5.4	1.04	0.94	1.54	1.4	3.02
5	0.72	0.91	113.24	90.89	5.3	2.43	2.36	4.26	3.8	3.90
6	0.76	0.91	110.07	91.99	5.2	2.11	2.05	3.50	3.2	3.52
7	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4	3.52
8	0.72	1.00	115.49	85.36	5.4	4.27	4.05	5.56	4.8	3.54
9	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7	2.40
10	0.68	0.91	83.59	63.61	5.3	5.44	5.72	3.80	4.6	3.43
11	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3	2.40
12	0.63	0.82	90.83	70.35	5.1	4.42	4.46	4.03	4.4	3.36
13	0.54	0.63	105.67	89.73	5.4	1.63	1.52	2.94	2.8	3.11
14	0.85	1.27	93.64	65.04	5.6	6.12	6.75	5.12	5.5	4.57
15	0.56	0.63	103.48	90.29	5.3	1.47	1.38	2.51	2.4	2.90
16	0.68	0.91	83.59	63.61	5.2	5.52	5.81	3.87	4.6	3.43
17	0.85	1.18	66.67	49.31	5.1	4.87	6.84	3.41	5.1	3.76
18	0.82	1.00	72.75	60.05	5.3	3.52	4.43	2.42	3.3	2.54
19	0.72	1.09	107.36	74.12	5.3	5.40	5.57	6.23	5.8	4.98
20	0.72	0.91	80.63	64.72	5.4	4.47	4.85	2.94	3.6	2.92
21	0.54	0.63	148.41	126.02	5.3	2.10	1.76	4.20	2.8	4.39
22	0.56	0.63	104.22	90.88	5.4	1.44	1.33	2.46	2.4	2.79
23	0.65	0.72	91.81	81.15	5.3	1.87	1.82	2.03	2.2	2.41
24	0.65	0.72	91.16	80.63	5.2	1.89	1.85	2.04	2.2	2.53
25	0.78	1.18	71.89	49.31	5.3	6.16	7.77	4.23	5.9	3.92
26	0.85	1.18	66.67	49.31	5.4	4.57	6.42	3.20	4.8	3.76
27	0.63	0.82	127.57	98.81	5.5	2.66	2.44	5.23	4.1	4.47
28	0.52	0.72	106.14	77.30	5.3	3.24	3.09	5.49	5.2	3.96
29	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
30	0.78	1.18	71.89	49.31	5.3	6.16	7.77	4.23	5.9	3.92



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{CKD-EPI} Thai	% Δ GFR Thai	Δ GFR _{CKD-EPI} Thai
31	0.78	1.18	71.89	49.31	5.4	6.06	7.65	4.17	5.8	3.92
32	0.82	1.00	72.75	60.05	5.3	3.52	4.43	2.42	3.3	2.54
33	0.82	0.91	104.97	93.72	5.2	1.49	1.47	2.18	2.1	2.95
34	0.68	0.82	86.86	72.05	5.1	4.00	4.03	2.91	3.4	2.69
35	0.72	0.82	116.28	101.83	5.4	1.57	1.48	2.67	2.3	3.43
36	0.82	1.18	68.53	49.31	5.3	5.18	6.99	3.60	5.3	3.82
37	0.68	0.91	83.59	63.61	5.4	5.27	5.54	3.69	4.4	3.43
38	0.78	0.91	77.34	65.90	5.5	3.07	3.55	2.08	2.7	2.40
39	0.65	0.72	91.16	80.63	5.3	1.86	1.82	2.01	2.2	2.53
40	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9	3.76
41	0.65	0.72	128.03	113.24	5.3	1.58	1.41	2.77	2.2	3.64
42	0.82	0.91	104.97	93.72	5.4	1.43	1.41	2.08	2.0	2.95
43	0.56	0.63	146.37	127.64	5.1	1.92	1.60	3.69	2.5	4.05
44	0.78	0.91	77.87	66.31	5.2	3.29	3.78	2.24	2.9	2.28
45	0.63	0.82	90.83	70.35	5.5	4.08	4.12	3.72	4.1	3.36
46	0.65	0.72	128.03	113.24	5.4	1.56	1.39	2.73	2.1	3.64
47	0.62	0.82	128.35	98.25	5.3	2.85	2.62	5.65	4.4	4.63
48	0.63	0.82	90.83	70.35	5.4	4.14	4.18	3.78	4.2	3.36
49	0.85	1.00	71.24	60.41	5.5	2.82	3.67	1.97	2.8	2.36
50	0.72	1.09	76.44	52.78	5.3	6.74	7.78	4.51	5.9	4.05
51	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9	3.76
52	0.54	0.63	105.67	89.73	5.4	1.63	1.52	2.94	2.8	3.11
53	0.83	0.91	74.58	67.16	5.3	1.94	2.38	1.39	1.9	1.90
54	0.72	1.09	107.36	74.12	5.4	5.32	5.49	6.14	5.7	4.98
55	0.56	0.72	101.39	79.14	5.3	2.78	2.65	4.24	4.2	3.26
56	0.54	0.63	148.41	126.02	5.2	2.17	1.82	4.33	2.9	4.39
57	0.63	0.82	90.83	70.35	5.5	4.08	4.12	3.72	4.1	3.36
58	0.68	0.91	83.59	63.61	5.4	5.27	5.54	3.69	4.4	3.43
59	0.85	1.18	93.64	69.26	5.1	5.68	6.26	4.80	5.1	4.57
60	0.68	0.91	83.59	63.61	5.4	5.27	5.54	3.69	4.4	3.43
61	0.52	0.54	157.19	145.46	5.5	1.23	0.99	2.13	1.4	4.38
62	0.62	0.72	95.03	80.12	5.3	2.21	2.14	2.84	3.0	2.79



No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{cbs} Thai	% Δ GFR Thai	Δ GFR _{pdf} Thai
63	0.68	0.72	88.68	81.15	5.3	1.58	1.56	1.41	1.6	2.32
64	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3	4.63
65	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3	4.63
66	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3	4.24
67	0.83	1.00	101.90	84.84	5.4	3.16	3.19	3.15	3.1	3.28
68	0.68	0.91	83.59	63.61	5.3	5.44	5.72	3.80	4.6	3.43
69	0.82	1.00	72.75	60.05	5.2	3.57	4.50	2.46	3.4	2.54
70	0.85	1.18	66.67	49.31	5.2	4.79	6.73	3.36	5.0	3.76
71	0.68	0.91	83.59	63.61	5.4	5.27	5.54	3.69	4.4	3.43
72	0.76	1.00	75.47	58.35	5.1	5.04	5.96	3.37	4.5	3.32
73	0.72	0.91	80.63	64.72	5.3	4.62	5.01	3.03	3.8	2.92
74	0.82	1.09	97.89	75.30	5.3	4.56	4.85	4.24	4.3	4.28
75	0.56	0.72	101.39	79.14	5.4	2.69	2.57	4.11	4.1	3.26
76	0.78	1.18	100.97	69.26	5.3	6.05	6.43	5.95	5.9	4.79
77	0.82	1.00	72.75	60.05	5.4	3.41	4.29	2.35	3.2	2.54
78	0.76	1.00	106.00	81.95	5.3	3.81	3.87	4.58	4.3	4.24
79	0.82	1.09	97.89	75.30	5.2	4.71	5.01	4.37	4.5	4.28
80	0.82	1.09	69.70	53.61	5.5	4.25	5.62	2.92	4.2	3.43
81	0.85	1.18	93.64	69.26	5.4	5.33	5.87	4.50	4.8	4.57
82	0.68	0.91	117.40	89.34	5.3	2.86	2.75	5.26	4.5	4.44
83	0.82	1.09	97.89	75.30	5.4	4.49	4.78	4.17	4.3	4.28
84	0.72	1.09	76.44	52.78	5.5	6.43	7.43	4.30	5.6	4.05
85	0.68	0.91	117.40	89.34	5.3	2.90	2.79	5.34	4.6	4.44
86	0.76	1.00	75.47	58.35	5.0	5.12	6.06	3.43	4.5	3.32
87	0.82	1.09	69.70	53.61	5.1	4.60	6.08	3.16	4.5	3.43
88	0.76	1.00	75.47	58.35	5.4	4.73	5.60	3.16	4.2	3.32
89	0.76	1.00	75.47	58.35	5.6	4.59	5.43	3.07	4.1	3.32
90	0.82	1.09	97.89	75.30	5.3	4.63	4.93	4.30	4.4	4.28
91	0.65	0.72	91.16	80.63	5.1	1.92	1.88	2.07	2.3	2.53
92	0.56	0.72	104.22	81.15	5.3	2.81	2.61	4.33	4.2	2.79
93	0.56	0.63	146.37	127.64	5.4	1.80	1.50	3.46	2.4	4.05
94	0.69	0.82	120.63	101.20	5.3	2.01	1.86	3.64	3.0	3.70



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{OCIS} Thai	% Δ GFR Thai	Δ GFR _{3JT} Thai
95	0.56	0.63	103.48	90.29	5.4	1.43	1.33	2.43	2.4	2.90
96	0.76	1.00	106.00	81.95	5.3	3.81	3.87	4.58	4.3	4.24
97	0.78	1.09	72.29	53.05	5.2	5.48	6.86	3.72	5.2	3.79
98	0.69	0.91	83.16	63.97	5.5	5.15	5.40	3.49	4.2	3.27
99	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
100	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4	3.52
101	0.82	1.09	98.81	75.30	5.3	4.71	5.00	4.48	4.5	4.30
102	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9	3.76
103	0.52	0.72	106.14	77.30	5.3	3.19	3.05	5.41	5.1	3.96
104	0.72	1.09	107.36	74.12	5.4	5.32	5.49	6.14	5.7	4.98
105	0.65	0.91	85.51	62.91	5.3	5.60	5.89	4.30	5.0	3.77
106	0.68	0.91	83.59	63.61	5.2	5.52	5.81	3.87	4.6	3.43
107	0.82	0.91	74.74	66.73	5.1	2.23	2.73	1.58	2.1	2.04
108	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3	3.27
109	0.82	1.09	98.46	75.71	5.4	4.52	4.78	4.20	4.3	4.15
110	0.82	1.00	72.75	60.05	5.5	3.36	4.22	2.31	3.2	2.54
111	0.56	0.82	97.07	68.79	5.3	4.82	4.82	5.38	5.5	4.11
112	0.63	0.82	90.83	70.35	5.3	4.21	4.25	3.84	4.2	3.36
113	0.65	0.91	85.51	62.91	5.1	5.78	6.09	4.44	5.2	3.77
114	0.72	1.09	76.44	52.78	5.3	6.63	7.66	4.44	5.8	4.05
115	0.63	0.82	90.29	70.76	5.4	4.09	4.11	3.61	4.0	3.21
116	0.76	1.00	75.47	58.35	5.1	5.04	5.96	3.37	4.5	3.32
117	0.82	1.18	68.53	49.31	5.2	5.34	7.21	3.72	5.4	3.82
118	0.69	0.91	83.16	63.97	5.5	5.15	5.40	3.49	4.2	3.27
119	0.78	1.09	101.53	74.51	5.4	4.83	5.09	4.99	4.9	4.67
120	0.83	1.00	72.55	60.41	5.3	3.29	4.16	2.28	3.1	2.40
121	0.62	0.82	128.35	98.25	5.5	2.76	2.54	5.47	4.3	4.63
122	0.83	1.09	69.46	53.90	5.3	4.29	5.71	2.96	4.3	3.28
123	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4	3.52
124	0.83	1.00	72.55	60.41	5.4	3.24	4.10	2.24	3.1	2.40
125	0.78	0.91	77.34	65.90	5.3	3.21	3.72	2.18	2.8	2.40
126	0.85	1.09	69.02	54.50	5.2	4.05	5.45	2.81	4.1	2.99



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{obs} Thai	% Δ GFR Thai	Δ GFR _{adj} Thai
127	0.83	1.09	69.46	53.90	5.4	4.16	5.53	2.87	4.1	3.28
128	0.82	1.09	98.81	75.30	5.1	4.87	5.16	4.63	4.7	4.30
129	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4	4.30
130	0.63	0.82	90.83	70.35	5.5	4.08	4.12	3.72	4.1	3.36
131	0.76	1.18	73.34	49.31	5.5	6.39	7.83	4.37	6.0	3.96
132	0.83	1.09	69.46	53.90	5.3	4.29	5.71	2.96	4.3	3.28
133	0.83	1.00	72.55	60.41	5.3	3.29	4.16	2.28	3.1	2.40
134	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3	4.63
135	0.78	0.91	109.36	93.13	5.3	1.88	1.83	3.04	2.8	3.22
136	0.82	1.09	70.10	53.90	5.4	4.35	5.70	2.99	4.3	3.30
137	0.83	1.09	97.55	75.71	5.3	4.58	4.87	4.16	4.3	4.13
138	0.83	1.00	72.55	60.41	5.2	3.40	4.30	2.35	3.2	2.40
139	0.76	1.00	106.00	81.95	5.0	4.00	4.07	4.81	4.5	4.24
140	0.82	1.09	98.46	75.71	5.0	4.90	5.18	4.55	4.6	4.15
141	0.85	1.09	69.02	54.50	5.3	3.92	5.27	2.72	3.9	2.99
142	0.76	1.00	75.47	58.35	5.3	4.80	5.68	3.21	4.3	3.32
143	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
144	0.69	0.82	85.89	72.05	5.0	3.98	4.03	2.77	3.2	2.66
145	0.68	0.91	117.40	89.34	5.2	2.95	2.84	5.43	4.6	4.44
146	0.68	0.91	83.59	63.61	5.5	5.19	5.46	3.63	4.3	3.43
147	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
148	0.69	1.00	80.28	57.11	5.3	6.40	7.00	4.34	5.4	4.03
149	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
150	0.54	0.72	102.90	78.20	5.5	2.82	2.69	4.49	4.4	3.59
151	0.63	0.82	126.82	99.39	5.0	2.82	2.59	5.49	4.3	4.30
152	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9	3.77
153	0.85	1.18	66.67	49.31	5.3	4.64	6.52	3.25	4.9	3.76
154	0.82	1.09	70.35	53.61	5.3	4.65	6.06	3.19	4.5	3.45
155	0.52	0.54	111.92	103.57	5.5	1.02	0.92	1.52	1.4	3.02
156	0.65	0.91	85.51	62.91	5.0	5.88	6.19	4.52	5.3	3.77
157	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7	4.74
158	0.63	0.82	126.82	99.39	5.2	2.73	2.50	5.31	4.2	4.30



No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR	% Δ GFR	Δ GFR _{cks}	% Δ GFR	Δ GFR _{diff}
						CKD-EPI	CKD-EPI	Thai	Thai	Thai
159	0.63	0.82	90.29	70.76	5.4	4.09	4.11	3.61	4.0	3.21
160	0.63	0.82	90.29	70.76	5.1	4.36	4.38	3.84	4.3	3.21
161	0.72	1.00	77.30	57.41	5.3	5.74	6.53	3.79	4.9	3.80
162	0.52	0.54	111.92	103.57	5.3	1.05	0.95	1.57	1.4	3.02
163	0.78	0.91	109.36	93.13	5.4	1.85	1.80	3.00	2.7	3.22
164	0.83	1.09	97.55	75.71	5.3	4.51	4.79	4.10	4.2	4.13
165	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9	3.77
166	0.63	0.82	90.83	70.35	5.4	4.14	4.18	3.78	4.2	3.36
167	0.63	0.82	90.83	70.35	5.3	4.28	4.31	3.90	4.3	3.36
168	0.65	0.72	91.16	80.63	5.2	1.89	1.85	2.04	2.2	2.53
169	0.78	0.91	77.87	66.31	5.5	3.09	3.55	2.10	2.7	2.28
170	0.63	0.82	90.29	70.76	5.4	4.09	4.11	3.61	4.0	3.21
171	0.82	1.09	98.46	75.71	5.3	4.59	4.85	4.27	4.3	4.15
172	0.56	0.72	104.22	81.15	5.4	2.77	2.57	4.26	4.1	2.79
173	0.78	0.91	77.87	66.31	5.5	3.09	3.55	2.10	2.7	2.28
174	0.63	0.82	127.57	98.81	5.3	2.79	2.56	5.48	4.3	4.47
175	0.83	1.00	72.55	60.41	5.3	3.34	4.23	2.31	3.2	2.40
176	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5	3.45
177	0.78	0.91	109.36	93.13	5.0	2.01	1.95	3.25	3.0	3.22
178	0.85	1.18	67.04	49.57	5.3	4.75	6.62	3.33	5.0	3.63
179	0.68	0.91	83.59	63.61	5.5	5.19	5.46	3.63	4.3	3.43
180	0.83	1.09	97.55	75.71	5.4	4.44	4.72	4.03	4.1	4.13
181	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5	3.45
182	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2	4.24
183	0.72	1.00	108.57	80.63	5.0	4.31	4.38	5.59	5.1	4.74
184	0.85	1.00	100.06	84.84	5.2	3.14	3.21	2.95	2.9	3.22
185	0.63	0.82	90.29	70.76	5.5	4.03	4.05	3.55	3.9	3.21
186	0.68	0.91	83.59	63.61	5.4	5.27	5.54	3.69	4.4	3.43
187	0.82	1.09	98.81	75.30	5.3	4.64	4.92	4.41	4.5	4.30
188	0.65	0.91	85.51	62.91	5.4	5.43	5.71	4.17	4.9	3.77
189	0.63	0.82	90.83	70.35	5.5	4.08	4.12	3.72	4.1	3.36
190	0.82	1.09	70.10	53.90	5.0	4.71	6.18	3.24	4.6	3.30



No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR	$\% \Delta$ GFR	Δ GFR _{obs}	$\% \Delta$ GFR	Δ GFR _{adj}
						CKD-EPI	CKD-EPI	Thai	Thai	Thai
191	0.69	0.91	116.80	89.85	5.4	2.73	2.62	4.98	4.3	4.28
192	0.72	1.00	77.30	57.41	5.3	5.65	6.43	3.73	4.8	3.80
193	0.63	0.82	90.29	70.76	5.3	4.22	4.24	3.72	4.1	3.21
194	0.83	1.09	69.46	53.90	5.5	4.10	5.45	2.83	4.1	3.28
195	0.76	1.00	75.47	58.35	5.5	4.66	5.51	3.11	4.1	3.32
196	0.76	1.00	75.47	58.35	5.2	4.96	5.87	3.31	4.4	3.32
197	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3	3.27
198	0.85	1.18	67.04	49.57	5.1	4.91	6.84	3.44	5.1	3.63
199	0.78	0.91	109.36	93.13	5.3	1.88	1.83	3.04	2.8	3.22
200	0.63	0.82	90.83	70.35	5.4	4.14	4.18	3.78	4.2	3.36
201	0.65	0.91	85.51	62.91	5.3	5.51	5.80	4.24	5.0	3.77
202	0.85	1.18	67.04	49.57	5.4	4.60	6.42	3.23	4.8	3.63
203	0.63	0.82	90.83	70.35	5.4	4.14	4.18	3.78	4.2	3.36
204	0.63	0.82	127.57	98.81	5.3	2.79	2.56	5.48	4.3	4.47
205	0.52	0.63	110.36	89.73	5.2	2.07	1.89	3.99	3.6	3.25
206	0.56	0.72	101.39	79.14	5.5	2.65	2.53	4.05	4.0	3.26
207	0.68	0.91	117.40	89.34	5.4	2.81	2.71	5.18	4.4	4.44
208	0.85	1.18	67.04	49.57	5.4	4.60	6.42	3.23	4.8	3.63
209	0.72	1.00	77.30	57.41	5.3	5.65	6.43	3.73	4.8	3.80
210	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3	3.27
211	0.69	0.91	83.16	63.97	5.0	5.66	5.94	3.84	4.6	3.27
212	0.63	0.82	90.83	70.35	5.2	4.35	4.38	3.96	4.4	3.36
213	0.82	1.09	96.25	74.12	5.4	4.39	4.78	4.08	4.2	4.65
214	0.78	0.91	109.36	93.13	5.3	1.88	1.83	3.04	2.8	3.22
215	0.56	0.72	101.39	79.14	5.4	2.69	2.57	4.11	4.1	3.26
216	0.65	0.72	91.16	80.63	5.5	1.77	1.74	1.91	2.1	2.53
217	0.82	1.09	70.35	53.61	5.0	4.88	6.36	3.35	4.8	3.45
218	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2	4.24
219	0.72	1.00	77.30	57.41	5.3	5.65	6.43	3.73	4.8	3.80
220	0.68	0.91	83.59	63.61	5.0	5.71	6.00	4.00	4.8	3.43
221	0.76	1.00	75.47	58.35	5.1	5.04	5.96	3.37	4.5	3.32
222	0.82	1.00	72.96	59.69	5.4	3.58	4.48	2.45	3.4	2.69



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{ctts} Thai	% Δ GFR Thai	Δ GFR _{std} Thai
223	0.52	0.63	110.36	89.73	5.3	2.03	1.86	3.93	3.6	3.25
224	0.82	1.09	98.46	75.71	5.2	4.74	5.01	4.40	4.5	4.15
225	0.76	1.00	75.47	58.35	5.1	5.04	5.96	3.37	4.5	3.32
226	0.63	0.82	127.57	98.81	5.3	2.79	2.56	5.48	4.3	4.47
227	0.52	0.54	157.19	145.46	5.3	1.27	1.02	2.20	1.4	4.38
228	0.85	1.00	71.24	60.41	5.4	2.86	3.72	2.00	2.8	2.36
229	0.76	1.00	106.00	81.95	5.3	3.75	3.81	4.51	4.3	4.24
230	0.69	0.91	83.16	63.97	5.4	5.23	5.48	3.54	4.3	3.27
231	0.78	0.91	77.87	66.31	5.3	3.24	3.72	2.20	2.8	2.28
232	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2	3.26
233	0.63	0.82	126.82	99.39	5.5	2.56	2.35	4.99	3.9	4.30
234	0.76	1.09	73.75	53.05	5.4	5.65	6.88	3.82	5.2	3.83
235	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5	3.45
236	0.72	1.00	108.57	80.63	5.5	3.92	3.98	5.08	4.7	4.74
237	0.63	0.82	126.82	99.39	5.3	2.69	2.46	5.22	4.1	4.30
238	0.68	0.82	121.99	101.20	5.3	2.12	1.95	3.90	3.2	3.74
239	0.82	1.09	98.81	75.30	5.4	4.57	4.84	4.34	4.4	4.30
240	0.69	0.91	83.16	63.97	5.3	5.31	5.57	3.60	4.3	3.27
241	0.78	0.91	77.87	66.31	5.4	3.14	3.61	2.13	2.7	2.28
242	0.76	1.00	75.47	58.35	5.3	4.88	5.77	3.26	4.3	3.32
243	0.76	1.00	106.00	81.95	5.2	3.87	3.94	4.66	4.4	4.24
244	0.82	1.09	70.10	53.90	5.1	4.63	6.08	3.19	4.5	3.30
245	0.85	1.18	67.04	49.57	5.4	4.60	6.42	3.23	4.8	3.63
246	0.69	0.82	121.45	101.83	5.3	2.02	1.86	3.68	3.0	3.58
247	0.85	1.00	71.24	60.41	5.4	2.86	3.72	2.00	2.8	2.36
248	0.54	0.72	144.53	109.83	5.5	3.00	2.59	6.31	4.4	4.84
249	0.52	0.54	157.19	145.46	5.3	1.29	1.04	2.23	1.4	4.38
250	0.82	1.09	70.10	53.90	5.3	4.41	5.79	3.04	4.3	3.30
251	0.85	1.18	67.04	49.57	5.3	4.68	6.52	3.28	4.9	3.63
252	0.76	1.00	75.47	58.35	5.1	5.04	5.96	3.37	4.5	3.32
253	0.82	1.09	70.35	53.61	5.3	4.57	5.97	3.14	4.5	3.45
254	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2	4.24



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR ₂₀₁₀ Thai	% Δ GFR Thai	Δ GFR ₂₀₁₁ Thai
255	0.68	0.91	117.40	89.34	5.1	3.00	2.89	5.52	4.7	4.44
256	0.69	0.91	83.16	63.97	5.2	5.48	5.75	3.71	4.5	3.27
257	0.82	1.09	70.10	53.90	5.5	4.28	5.62	2.95	4.2	3.30
258	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3	3.52
259	0.83	1.00	101.90	84.84	5.3	3.21	3.24	3.20	3.1	3.28
260	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7	4.74
261	0.69	1.00	112.75	80.21	5.5	4.27	4.28	5.92	5.2	5.00
262	0.83	1.09	69.46	53.90	5.3	4.29	5.71	2.96	4.3	3.28
263	0.76	1.00	75.47	58.35	5.3	4.80	5.68	3.21	4.3	3.32
264	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3	4.63
265	0.69	1.00	80.28	57.11	5.3	6.40	7.00	4.34	5.4	4.03
266	0.83	0.91	74.58	67.16	5.4	1.91	2.35	1.37	1.8	1.90
267	0.65	0.91	85.51	62.91	5.2	5.69	5.99	4.37	5.1	3.77
268	0.63	0.82	90.83	70.35	5.5	4.08	4.12	3.72	4.1	3.36
269	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2	4.24
270	0.68	0.82	86.86	72.05	5.1	4.00	4.03	2.91	3.4	2.69
271	0.69	0.91	116.80	89.85	5.4	2.73	2.62	4.98	4.3	4.28
272	0.54	0.72	102.90	78.20	5.5	2.82	2.69	4.49	4.4	3.59
273	0.76	1.00	75.47	58.35	5.3	4.88	5.77	3.26	4.3	3.32
274	0.82	1.00	102.48	83.84	5.3	3.33	3.38	3.50	3.4	3.57
275	0.76	1.00	106.00	81.95	5.4	3.69	3.75	4.44	4.2	4.24
276	0.85	1.18	94.16	69.62	5.3	5.45	5.97	4.60	4.9	4.44
277	0.78	1.18	100.97	69.26	5.4	5.95	6.33	5.85	5.8	4.79
278	0.68	0.91	117.40	89.34	5.3	2.90	2.79	5.34	4.6	4.44
279	0.76	1.00	75.47	58.35	5.2	4.96	5.87	3.31	4.4	3.32
280	0.83	1.09	69.46	53.90	5.3	4.23	5.62	2.92	4.2	3.28
281	0.83	1.09	97.55	75.71	5.4	4.44	4.72	4.03	4.1	4.13
282	0.72	1.00	77.30	57.41	5.5	5.48	6.24	3.62	4.7	3.80
283	0.83	1.09	69.46	53.90	5.0	4.51	6.00	3.11	4.5	3.28
284	0.72	1.00	108.57	80.63	5.4	3.98	4.05	5.16	4.7	4.74
285	0.69	0.91	83.16	63.97	5.3	5.31	5.57	3.60	4.3	3.27
286	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3	2.40



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No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{0.05} Thai	% Δ GFR Thai	Δ GFR _{0.3t} Thai
287	0.85	1.18	67.04	49.57	5.1	4.91	6.84	3.44	5.1	3.63
288	0.78	1.09	72.29	53.05	5.4	5.23	6.55	3.55	4.9	3.79
289	0.82	1.18	69.17	49.31	5.6	5.12	6.82	3.56	5.1	3.84
290	0.76	1.09	73.75	53.05	5.3	5.83	7.10	3.94	5.3	3.83
291	0.82	1.09	70.10	53.90	5.2	4.56	5.98	3.14	4.5	3.30
292	0.82	1.09	98.81	75.30	5.1	4.87	5.16	4.63	4.7	4.30
293	0.63	0.82	90.83	70.35	5.3	4.28	4.31	3.90	4.3	3.36
294	0.65	0.91	120.09	88.36	5.4	3.09	2.97	5.86	4.9	4.80
295	0.68	0.82	86.86	72.05	5.3	3.81	3.84	2.78	3.2	2.69
296	0.78	1.18	71.89	49.31	5.4	6.06	7.65	4.17	5.8	3.92
297	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3	3.52
298	0.69	0.91	116.80	89.85	5.5	2.69	2.58	4.90	4.2	4.28
299	0.68	0.91	83.59	63.61	5.0	5.71	6.00	4.00	4.8	3.43
300	0.56	0.72	101.39	79.14	5.4	2.69	2.57	4.11	4.1	3.26
301	0.85	1.18	67.04	49.57	5.3	4.68	6.52	3.28	4.9	3.63
302	0.62	0.72	133.46	112.53	5.0	2.20	1.94	4.19	3.1	3.94
303	0.76	1.00	106.00	81.95	5.1	3.94	4.00	4.73	4.5	4.24
304	0.82	1.18	97.15	69.26	5.0	6.10	6.61	5.58	5.7	4.67
305	0.63	0.82	90.83	70.35	5.1	4.42	4.46	4.03	4.4	3.36
306	0.63	0.82	126.82	99.39	5.4	2.60	2.39	5.06	4.0	4.30
307	0.72	1.00	108.57	80.63	5.6	3.86	3.93	5.00	4.6	4.74
308	0.62	0.82	91.39	69.95	5.3	4.34	4.38	4.08	4.5	3.52
309	0.62	0.82	91.39	69.95	5.2	4.41	4.46	4.15	4.5	3.52
310	0.62	0.82	91.39	69.95	5.1	4.48	4.53	4.22	4.6	3.52
311	0.83	1.09	97.55	75.71	5.3	4.58	4.87	4.16	4.3	4.13
312	0.56	0.72	104.22	81.15	5.3	2.81	2.61	4.33	4.2	2.79
313	0.62	0.82	128.35	98.25	5.4	2.81	2.58	5.56	4.3	4.63
314	0.83	1.09	97.55	75.71	5.3	4.51	4.79	4.10	4.2	4.13
315	0.76	1.00	75.47	58.35	5.3	4.88	5.77	3.26	4.3	3.32
316	0.78	0.91	77.87	66.31	5.2	3.29	3.78	2.24	2.9	2.28
317	0.82	1.09	98.81	75.30	5.5	4.50	4.77	4.28	4.3	4.30
318	0.63	0.72	131.82	112.53	5.4	1.91	1.69	3.56	2.7	3.89



No	bSCR	fSCR	bGFR	fGFR	FUyr	Δ GFR CKD-EPI	% Δ GFR CKD-EPI	Δ GFR _{co₂} Thai	% Δ GFR Thai	Δ GFR _{o₂t} Thai
319	0.62	0.82	128.35	98.25	5.3	2.85	2.62	5.65	4.4	4.63
320	0.85	1.09	96.94	76.55	5.3	4.49	4.74	3.88	4.0	3.83
321	0.85	1.09	69.02	54.50	5.3	3.92	5.27	2.72	3.9	2.99
322	0.68	0.72	88.68	81.15	5.4	1.56	1.54	1.39	1.6	2.32
323	0.78	1.00	101.53	80.21	5.3	3.48	3.67	4.00	3.9	4.67
324	0.62	0.82	91.39	69.95	5.4	4.20	4.25	3.96	4.3	3.52
325	0.83	1.09	97.55	75.71	5.3	4.58	4.87	4.16	4.3	4.13
326	0.83	1.00	72.55	60.41	5.0	3.51	4.44	2.43	3.3	2.40
327	0.78	1.09	72.29	53.05	5.1	5.57	6.98	3.79	5.2	3.79
328	0.82	1.09	70.35	53.61	5.6	4.37	5.70	3.00	4.3	3.45
329	0.82	1.09	70.10	53.90	5.2	4.56	5.98	3.14	4.5	3.30
330	0.72	1.00	108.57	80.63	5.1	4.24	4.31	5.49	5.1	4.74
331	0.62	0.82	91.39	69.95	5.3	4.27	4.32	4.02	4.4	3.52
332	0.63	0.82	90.29	70.76	5.3	4.15	4.18	3.66	4.1	3.21
333	0.83	1.09	69.46	53.90	5.4	4.16	5.53	2.87	4.1	3.28
334	0.85	1.18	67.04	49.57	5.3	4.75	6.62	3.33	5.0	3.63
335	0.83	0.91	74.58	67.16	5.2	2.00	2.46	1.44	1.9	1.90
336	0.82	1.09	70.10	53.90	5.5	4.28	5.62	2.95	4.2	3.30
337	0.76	1.00	75.47	58.35	5.4	4.73	5.60	3.16	4.2	3.32
338	0.56	0.72	101.39	79.14	5.2	2.82	2.69	4.31	4.2	3.26

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หมายเหตุสำหรับภาคผนวก ค-ง

No	=	ลำดับที่ของผู้ป่วย
bSCR	=	ระดับครีเอตินินในเลือดเริ่มต้นที่ตรวจวัดโดยวิธีแจฟเฟ และได้รับการปรับแก้ค่าเพื่อให้เป็นค่าที่ตรวจวัดโดยวิธีทางเอนไซม์แล้ว (มก./ดล.)
fSCR	=	ระดับครีเอตินินในเลือดสุดท้ายที่ตรวจวัดโดยวิธีแจฟเฟ และได้รับการปรับแก้ค่าเพื่อให้เป็นค่าที่ตรวจวัดโดยวิธีทางเอนไซม์แล้ว (มก./ดล.)
bGFR	=	ค่าประมาณอัตราการกรองของไตเริ่มต้น (มล./นาที/1.73 ตร.ม.)
fGFR	=	ค่าประมาณอัตราการกรองของไตสุดท้าย (มล./นาที/1.73 ตร.ม.)
Fuyr	=	ระยะเวลาการติดตามค่าประมาณอัตราการกรองของไต (ปี)
Δ GFR CKD-EPI	=	การลดลงของค่าประมาณอัตราการกรองของไตต่อปีที่คำนวณได้จากสมการ CKD-EPI (มล./นาที/1.73 ตร.ม. ต่อปี)
% Δ GFR CKD-EPI	=	ร้อยละของการลดลงของค่าประมาณอัตราการกรองของไตต่อปีที่คำนวณได้จากสมการ CKD-EPI
Δ GFR _{obs} Thai	=	การลดลงของค่าประมาณอัตราการกรองของไตต่อปีที่คำนวณได้จากสมการของประชากรชาวไทย (มล./นาที/1.73 ตร.ม. ต่อปี) ที่เป็นค่าสังเกต
% Δ GFR Thai	=	ร้อยละของการลดลงของค่าประมาณอัตราการกรองของไตต่อปีที่คำนวณได้จากสมการของประชากรชาวไทย
Δ GFR _{pdt} Thai	=	การลดลงของค่าประมาณอัตราการกรองของไตต่อปีที่คำนวณได้จากสูตรที่ 7 (มล./นาที/1.73 ตร.ม. ต่อปี) ที่เป็นค่าทำนาย

สมการประมาณอัตราการกรองของไต CKD-EPI

เพศหญิง $Cr \leq 0.7$ มก./ดล., $GFR = 1.44 \times (Cr/0.7)^{-0.329} \times (0.993)^{Age}$

$Cr > 0.7$ มก./ดล., $GFR = 1.44 \times (Cr/0.7)^{1.209} \times (0.993)^{Age}$

เพศชาย $Cr \leq 0.9$ มก./ดล., $GFR = 1.44 \times (Cr/0.9)^{-0.411} \times (0.993)^{Age}$

$Cr > 0.9$ มก./ดล., $GFR = 1.44 \times (Cr/0.9)^{-1.209} \times (0.993)^{Age}$

เมื่อ GFR คือ ค่าประมาณอัตราการกรองของไต (มล./นาที/1.73 ตร.ม.)

Cr คือ ระดับครีเอตินินในเลือดที่วัดได้จากวิธีทางเอนไซม์ (มก./ดล.)

Age คือ อายุ (ปี)



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สมการประมาณอัตราการกรองของไตสำหรับประชากรชาวไทย

$$\text{GFR} = 375.5 \times \text{Cr}^{0.329} \times \text{Age}^{0.364} \times 0.712 \text{ (if female)}$$

เมื่อ	GFR	คือ	ค่าประมาณอัตราการกรองของไต (มล./นาที/1.73 ตร.ม.)
	Cr	คือ	ระดับครีเอทีนินในเลือดที่วัดได้จากวิธีทางเอนไซม์ (มก./ดล.)
	Age	คือ	อายุ (ปี)

สมการคำนวณค่าสังเกตของการลดลงของค่าประมาณอัตราการกรองของไตต่อปี

$$\Delta\text{GFR} = (\text{bGFR} - \text{fGFR}) / \text{Fuyr}$$

สมการคำนวณค่าทำนายของการลดลงของค่าประมาณอัตราการกรองของไตต่อปี

$$\Delta\text{GFR} = 0.14 (\text{bAGE}) + 0.03 (\text{bGFR}) - 7.48$$



ประวัติผู้เขียนวิทยานิพนธ์

นางพลีวไผ่ ชัยเดชะ สุขมาก เกิดเมื่อวันที่ 25 มิถุนายน พ.ศ. 2526 ที่อำเภอตะกั่วป่า จังหวัดพังงา สำเร็จการศึกษาระดับปริญญาตรีเภสัชศาสตรบัณฑิต สาขาการบริบาลทางเภสัชกรรม จากมหาวิทยาลัยสงขลานครินทร์ ในปีการศึกษา 2551 และเข้าศึกษาต่อในหลักสูตรเภสัชศาสตรมหาบัณฑิต สาขาเภสัชกรรมคลินิก ณ จุฬาลงกรณ์มหาวิทยาลัย ในปีการศึกษา 2554 ปัจจุบันดำรงตำแหน่งเภสัชกรระดับปฏิบัติการ กลุ่มงานเภสัชกรรม โรงพยาบาลมหาราชนครศรีธรรมราช

