

Wave V Renal Function Addendum

Title

Wave V Renal Function Addendum

Abstract

This file contains constructed measures designed to facilitate analysis and interpretation of renal function based on venous blood collected via phlebotomy at the Wave V home exam. Updated estimations of the glomerular filtration rate (GFR) based on 2021 guidelines are available using either the creatinine concentration or using both the creatinine and cystatin C concentrations. The estimations of GFR have been calculated according to the 2021 NIDDK CKD-EPI guidelines. Classifications of the new estimations according to both clinical and KDIGO guidelines are available as well.

Variables: 7

Observations: 5,381

Variables

Wave V Renal Function Addendum

- [H5GFRCR2 - eGFR CREATININE 2021 \(ML/MIN/1.73 M2\)-W5](#)
- [H5GFRCC2 - eGFR CREAT&CYSC 2021 \(ML/MIN/1.73 M2\)-W5](#)
- [H5C2GFKR - KDIGO CLASS eGFR CREATININE 2021 -W5](#)
- [H5C2GFKC - KDIGO CLASS eGFR CREAT & CYSC 2021 -W5](#)
- [H5C2GFCD - CLINICAL CLASS eGFR CREATININE 2021 -W5](#)
- [H5C2GFCC - CLINICAL CLASS eGFR CREAT & CYSC 2021-W5](#)

H5GFRCR2 - eGFR CREATININE 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCR2	Estimated Glomerular Filtration Rate (ml/min/1.73 m2) based on Creatinine 2021 equation

H5GFRCC2 - eGFR CREAT&CYSC 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCC2	Estimated Glomerular Filtration Rate (ml/min/1.73 m2) based on Creatinine and Cystatin C 2021 equation

H5C2GFKR - KDIGO CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFKR	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine according to the KDIGO guidelines.
1	normal or high (G1): eGFR is ≥ 90 ml/min/1.73m ²
2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m ²
3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m ²
4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m ²
5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m ²
6	kidney failure (G5): eGFR is < 15 ml/min/1.73m ²

 H5C2GFKC - KDIGO CLASS eGFR CREAT & CYSC 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFKC	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine & Cystatin C according to the KDIGO guidelines.
1	normal or high (G1): eGFR is ≥ 90 ml/min/1.73m ²
2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m ²
3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m ²
4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m ²
5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m ²
6	kidney failure (G5): eGFR is < 15 ml/min/1.73m ²

 H5C2GFRC - CLINICAL CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFRC	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine.

1	normal: eGFR is ≥ 60 ml/min/1.73m ²
2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²
3	end-stage kidney disease (ESKD): eGFR is < 15 ml/min/1.73m ²

H5C2GFCC - CLINICAL CLASS eGFR CREAT & CYSC 2021-W5

Type	Code
Measurement Unit	Numeric
H5C2GFCC	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine and Cystatin C.
1	normal: eGFR is ≥ 60 ml/min/1.73m ²
2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²
3	end-stage kidney disease (ESKD): eGFR is < 15 ml/min/1.73m ²

Logical Products

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Data Layouts

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H5GFRCR2 - eGFR CREATININE 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCR2	Estimated Glomerular Filtration Rate (ml/min/1.73 m ²) based on Creatinine 2021 equation

H5GFRCC2 - eGFR CREAT&CYSC 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCC2	Estimated Glomerular Filtration Rate (ml/min/1.73 m ²) based on Creatinine and Cystatin C 2021 equation

H5C2GFKR - KDIGO CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFKR	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine according to the KDIGO guidelines.
1	normal or high (G1): eGFR is ≥ 90 ml/min/1.73m ²
2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m ²
3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m ²
4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m ²
5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m ²
6	kidney failure (G5): eGFR is < 15 ml/min/1.73m ²


 H5C2GFKC - KDIGO CLASS eGFR CREAT & CYSC 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFKC	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine & Cystatin C according to the KDIGO guidelines.
1	normal or high (G1): eGFR is ≥ 90 ml/min/1.73m ²
2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m ²
3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m ²
4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m ²
5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m ²
6	kidney failure (G5): eGFR is < 15 ml/min/1.73m ²

 H5C2GFCR - CLINICAL CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFCR	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine.

1	normal: eGFR is ≥ 60 ml/min/1.73m ²
2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²
3	end-stage kidney disease (ESKD): eGFR is < 15 ml/min/1.73m ²

 H5C2GFCC - CLINICAL CLASS eGFR CREAT & CYSC 2021-W5

Type	Code
Measurement Unit	Numeric
H5C2GFCC	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine and Cystatin C.
1	normal: eGFR is ≥ 60 ml/min/1.73m ²
2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²
3	end-stage kidney disease (ESKD): eGFR is < 15 ml/min/1.73m ²

Physical Instances

 Wave V Renal Function Addendum

Title	Wave V Renal Function Addendum
File Name	bren5add.sas7bdat
Case Quantity	5381
Variable Count	6

 H5GFRCR2 - eGFR CREATININE 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCR2	Estimated Glomerular Filtration Rate (ml/min/1.73 m ²) based on Creatinine 2021 equation

			Frequency	% of total	% of valid
Missing	.	not applicable (no CREAT result)	589	10.95%	
		Total	589	10.95%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4792	589	3.8334591...	146.63430...	103.66727...	14.591874...

 H5GFRCC2 - eGFR CREAT&CYSC 2021 (ML/MIN/1.73 M2)-W5

Type	Numeric (Double)
Measurement Unit	Numeric
H5GFRCC2	Estimated Glomerular Filtration Rate (ml/min/1.73 m2) based on Creatinine and Cystatin C 2021 equation

			Frequency	% of total	% of valid
Missing	.	not applicable (no CREAT and/or CYSC result)	589	10.95%	
		Total	589	10.95%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4792	589	3.9887842...	157.53090...	109.79976...	14.471540...

H5C2GFKR - KDIGO CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFKR	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine according to the KDIGO guidelines.

			Frequency	% of total	% of valid
Valid	1	normal or high (G1): eGFR is >= 90 ml/min/1.73m2	3920	72.85%	81.8%
	2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m2	839	15.59%	17.51%
	3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m2	18	0.33%	0.38%
	4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m2	6	0.11%	0.13%
	5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m2	3	0.06%	0.06%
	6	kidney failure (G5): eGFR is < 15 ml/min/1.73m2	6	0.11%	0.13%
		Total	4,792	89.05%	100%
Missing	.	not applicable (no CREAT result)	589	10.95%	
		Total	589	10.95%	

Valid	Invalid	Minimum	Maximum
4792	589	1	6

H5C2GFKC - KDIGO CLASS eGFR CREAT & CYSC 2021 -W5

Type	Code
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Measurement Unit	Numeric
H5C2GFKC	The classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine & Cystatin C according to the KDIGO guidelines.

			Frequency	% of total	% of valid
Valid	1	normal or high (G1): eGFR is \geq 90 ml/min/1.73m ²	4378	81.36%	91.36%
	2	mildly decreased (G2): eGFR is 60-89 ml/min/1.73m ²	388	7.21%	8.1%
	3	mildly to moderately decreased (G3a): eGFR is 45-59 ml/min/1.73m ²	10	0.19%	0.21%
	4	moderately to severely decreased (G3b): eGFR is 30-44 ml/min/1.73m ²	6	0.11%	0.13%
	5	severely decreased (G4): eGFR is 15-29 ml/min/1.73m ²	4	0.07%	0.08%
	6	kidney failure (G5): eGFR is $<$ 15 ml/min/1.73m ²	6	0.11%	0.13%
Total			4,792	89.05%	100%
Missing	.	not applicable (no CREAT and/or CYSC result)	589	10.95%	
Total			589	10.95%	

Valid	Invalid	Minimum	Maximum
4792	589	1	6

H5C2GFCR - CLINICAL CLASS eGFR CREATININE 2021 -W5

Type	Code
Measurement Unit	Numeric
H5C2GFCR	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine.

			Frequency	% of total	% of valid
Valid	1	normal: eGFR is \geq 60 ml/min/1.73m ²	4759	88.44%	99.31%
	2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²	27	0.5%	0.56%
	3	end-stage kidney disease (ESKD): eGFR is $<$ 15 ml/min/1.73m ²	6	0.11%	0.13%
Total			4,792	89.05%	100%
Missing	.	not applicable (no CREAT result)	589	10.95%	

		Total	589	10.95%	
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Valid	Invalid	Minimum	Maximum
4792	589	1	3

 H5C2GFCC - CLINICAL CLASS eGFR CREAT & CYSC 2021-W5

Type	Code
Measurement Unit	Numeric
H5C2GFCC	The clinical classification of estimated Glomerular Filtration Rate (eGFR 2021) based on Creatinine and Cystatin C.

			Frequency	% of total	% of valid
Valid	1	normal: eGFR is \geq 60 ml/min/1.73m ²	4766	88.57%	99.46%
	2	chronic kidney disease (CKD): eGFR is 15-59 ml/min/1.73m ²	20	0.37%	0.42%
	3	end-stage kidney disease (ESKD): eGFR is $<$ 15 ml/min/1.73m ²	6	0.11%	0.13%
		Total	4,792	89.05%	100%
Missing	.	not applicable (no CREAT and/or CYSC result)	589	10.95%	
		Total	589	10.95%	

Valid	Invalid	Minimum	Maximum
4792	589	1	3