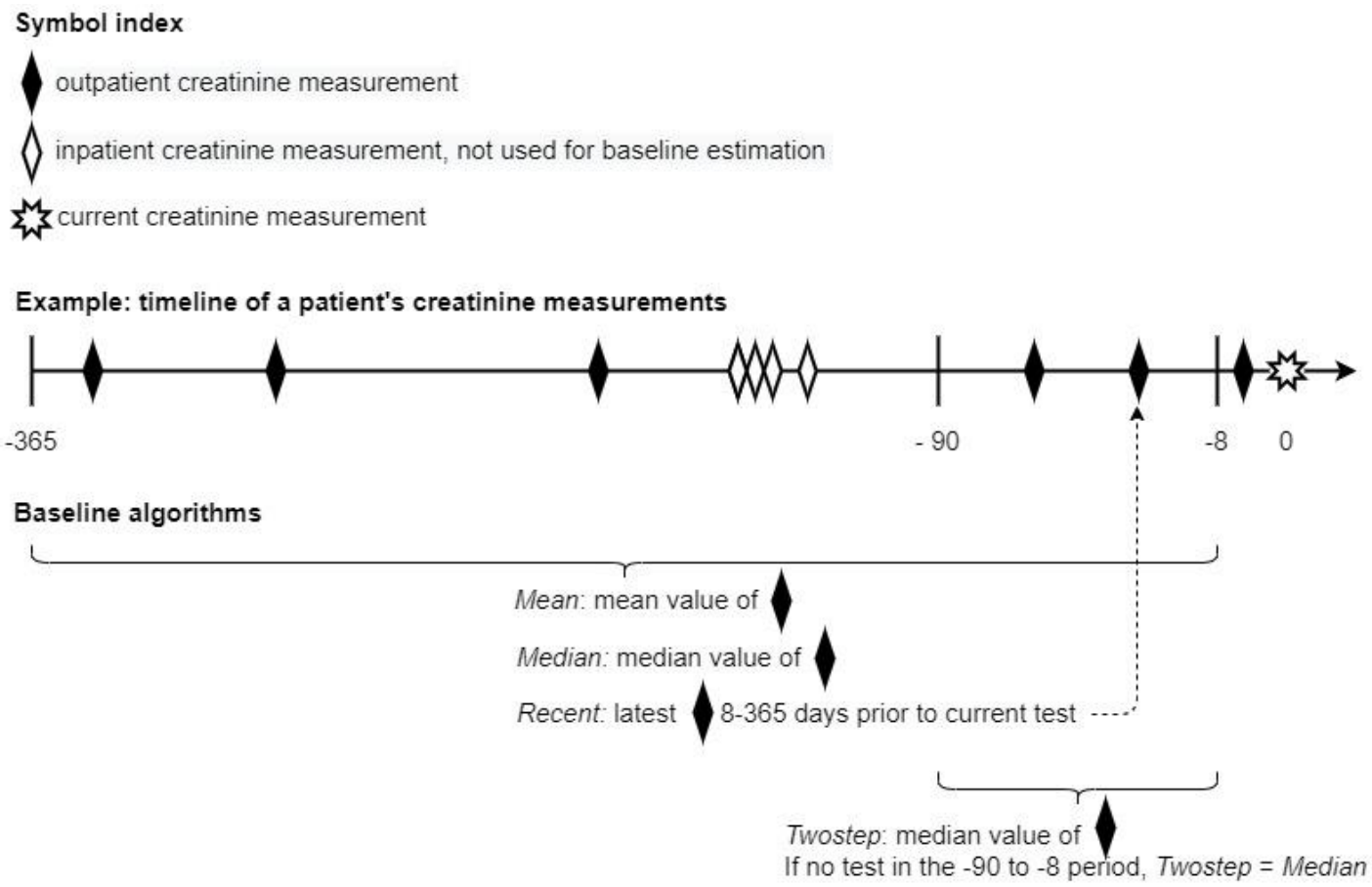
Appendix 1


Symbol index
outpatient creatinine measurement
inpatient creatinine measurement, not used for baseline estimation
current creatinine measurement
Example: timeline of a patient's creatinine measurements
-365
- 90
-8
0
Baseline algorithms
Mean: mean value of
Median: median value of
Recent: latest
8-365 days prior to current test
Twostep: median value of
If no test in the -90 to -8 period, Twostep = Median

Appendix 2

	Codes	Data source	Time
Creatinine	NPU codes: ”NPU18016”, “NPU04998”, ”ASS00354”, ”ASS00355” Central Denmark Region: ”AAB00327”	Register of Laboratory Results for Research(22) Regional Clinical Laboratory Information System Research Database (LABKA)(21)	Measurements from 2016 and 2017
Charlson comorbidity index score			
Myocardial infarction	ICD-10: I21; I22; I23	Danish National Patient Registry(20)	Any primary or secondary diagnosis code in in- and outpatient records in within 10 years prior to AKI event
Congestive heart failure	ICD-10: I50; I11; I13; I13.2		
Peripheral vascular disease	ICD-10: I70; I71; I72; I73; I74; I77		
Cerebrovascular disease	ICD-10: I60-I69; G45; G46		
Dementia	ICD-10: F00-F03; F05.1; G30		
Chronic pulmonary disease	ICD-10: J40-J47; J60-J67; J68.4; J70.1; J70.3; J84.1; J92.0; J96.1; J98.2; J98.3		
Connective tissue disease	ICD-10: M05; M06; M08; M09;M30;M31; M32; M33; M34; M35; M36; D86		
Ulcer disease	ICD-10: K22.1; K25-K28		
Mild liver disease	ICD-10: B18; K70.0-K70.3; K70.9; K71; K73; K74; K76.0		
Diabetes	ICD-10: E10.0; E10.1; E10.9; E11.0; E11.1; E11.9		
Hemiplegia	ICD-10: G81; G82		
Moderate to severe renal disease	ICD-10: I12; I13; N00-N05; N07; N11; N14; N17-N19; Q61		
Diabetes with end organ disease	ICD-10: E10.2-E10.8; E11.2-E11.8		
Any tumor	ICD-10: C00-C75		
Leukemia	ICD-10: C91-C95		
Lymphoma	ICD-10: C81-C85; C88; C90; C96		
Moderate to severe liver disease	ICD-10:B15.0; B16.0; B16.2; B19.0; K70.4; K72; K76.6; I85		
Metastatic solid tumor	ICD-10: C76-C80		
AIDS/HIV	ICD-10: B21-B24		
Comorbidity			
Myocardial infarction	ICD-10: I21; I22; I23	Danish National Patient Registry(20)	Any primary or secondary diagnosis code in in- and outpatient records within 10 years prior to AKI event
Heart failure	ICD-10: I50; I11; I13; I13.2		
Diabetes (diagnosis)	ICD-10: E10-13*		
Diabetes (pharmacological)	ATC codes: ”A10A*” ”A10B*”	Danish National Prescription Registry(25)	Any prescription within 10 years prior to AKI event
Hypertension	ICD-10: I10;I15*	Danish National	Any primary or

Cerebrovascular disease	ICD-10: I60-I69; G45; G46	Patient Registry(20)	secondary diagnosis code in in- and outpatient records within 10 years prior to AKI event
Liver disease	ICD-10: B15.0; B16.0; B16.2; B18; B19.0; K70.0-K70.4; K70.9; K71-K74; K76.0; K76.6; I85		
Hospital-diagnosed obesity	ICD-10: DE66*		
Kidney failure with replacement therapy	Procedure code: BJFD2* Diagnosis code: Z99.2		Any procedure code or diagnosis code within one year prior to AKI event
Medications			
Diuretics (thiazides and loop)	C03A* C03C* C03EA* C03EB* C07B* C09DX01 C09DX03 C09XA52 C09XA54 C07BA06	Danish National Prescription Registry(25)	Any ATC-code within 10 years prior to AKI event
Statins	C10AA*, C10B*		
ACEI/ARB	C09A*, C09B*, C09C*, C09D*		