

Proposal for definitions of the risk factors

The definitions are graded in levels between one to three, and one is meant as minimum requirements. The purpose is to standardize our definitions so that future merging of data will be more homogenous giving better opportunities for stratification and so on. It is up to the Registry to choose to which level it wants to collect data, ex. only collect LEVEL 1-data or more detailed LEVEL 2 or even LEVEL 3 data. On the last page are the VQI definition, which is for most variables still more detailed.

The definitions has been updated November 2017.

The following minimum core variable has been agreed on:

Definitions

Diabetes: Defined as Fasting ≥ 7 mmol/L or Post glucose ≥ 11.1 mmol/L and/or HbA1c $\geq 6.5\%$ ¹, or on antidiabetic medication.

Diabetes: LEVEL 1: - No
 - Yes
 - Unknown

LEVEL2: Medication: if level I = yes,
 - Insulin
 - Oral antidiabetic
 - Both
 - Diet
 - No treatment

LEVEL 3: HbA1c

Heart disease: Three separate variables; Ischemic heart disease, Congestive heart failure and Arrhythmia

Ischemic heart disease, defined as either symptoms as below or previous revascularization.

LEVEL 1: - No
 - Asymptomatic (Previous angina but without symptoms > 3 months, or revascularized)
 - Angina pectoris
 - Previous Acute coronary syndrome
 - Unknown

And in a separate field

- Previous PCI/CABG

LEVEL 2: Canadian Cardiovascular Society grading of angina pectoris

- Class 0 [asymptomatic](#).
- Class I – Angina only during strenuous or prolonged physical activity
- Class II – Slight limitation, with angina only during vigorous physical activity
- Class III – Symptoms with everyday living activities, i.e., moderate limitation
- Class IV – Inability to perform any activity without angina or angina at rest, i.e., severe limitation

Pulmonary disease: A diagnosis of chronic obstructive pulmonary disease or pulmonary medical treatment.

LEVEL 1: No
No treatment
Medical treatment,
Home oxygen
Unknown

Cerebrovascular disease

Cerebrovascular disease (both ischemic and hemorrhagi) defined as a diagnosis or symptoms.

LEVEL 1: No
Transient ischemic attack (Incl amaurosis fugax)
Stroke
Unknown.

LEVEL 2: Modified Rankin Score

Suggested version of Modified Rankin Score to be used

0 No symptoms at all

1 No significant disability despite symptoms; able to carry out all usual duties and activities

2 Slight disability; unable to carry out all previous activities, but able to look after own affairs without assistance

3 Moderate disability; requiring some help, but able to walk without assistance

4 Moderately severe disability; unable to walk without assistance and unable to attend to own bodily needs without assistance

5 Severe disability; bedridden, incontinent and requiring constant nursing care and attention

6 Dead

Hypertension:

LEVEL 1: No
Yes (bp>140/90 or medical treatment)

LEVEL 2: Treated controlled,
Treated uncontrolled
(bloodpressure bp>140/90 despite treatment)

LEVEL 3:
cause of hypertension: Essential
Renal sclerotic
Fibro muscular dysplasia
Other (endocriologic)

Should be collected:

Renal disease

	LEVEL 1:	No Yes Dialysis Functional Renal transplant Unknown
Independent	LEVEL 2:	Creatinine level
	LEVEL 3:	eGFR

We will collect data on definition of renal disease depending on national recommendations, and national unites.

Smoking

LEVEL 1: current smoker, previous smoker, never smoked
Former smoker defined as more than 3 months since smoking cessation

References

Rankin J. "Cerebral vascular accidents in patients over the age of 60." Scott Med J 1957;2:200-15

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