

Hypertension Control Indicators

When possible, ALL indicators should be measured

1

TREATMENT INITIATION-BASED HYPERTENSION CONTROL:

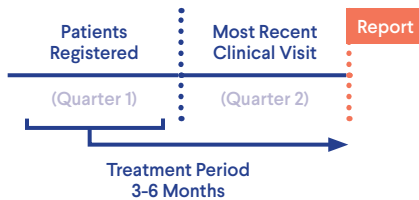
Cohort definition of registry-based hypertension control

*Adapted from the WHO HEARTS "S" module's indicator 1**

NUMERATOR Patients first registered in the hypertension registry 3-6 months previously AND had controlled blood pressure (SBP <140 and DBP <90 mmHg) at the most recent clinical visit within the previous 3 months

DENOMINATOR Patients first registered in the hypertension registry 3-6 months previously

EXAMPLE



*HEARTS Technical package for cardiovascular disease management in primary health care: systems for monitoring. Geneva: World Health Organization; 2018 (WHO/ NMH/NVI/18.5 Version 1.1). Licence: CC BY-NC-SA 3.0 IGO. Available online at <https://apps.who.int/iris/bitstream/handle/10665/260423/WHO-NMH-NVI-18.5-eng.pdf?jsessionid=BD8DFDA3F6105459F162A778BFB85729?sequence=1>

2A

CROSS-SECTIONAL REGISTRY-BASED HYPERTENSION CONTROL*:

Cross-sectional definition of registry-based hypertension control

Adapted from the WHO HEARTS "S" module's indicator 2

NUMERATOR Patients in the hypertension registry AND had controlled blood pressure (SBP <140 and DBP <90 mmHg) at the most recent clinical visit within the prior 12 months

DENOMINATOR Patients registered in the hypertension registry at any time

*Recommended for health systems that are using electronic data collection.

2B

ANNUAL REGISTRY-BASED COMMUNITY-LEVEL HYPERTENSION CONTROL:

Cross-sectional definition of registry-based hypertension control

Adapted from the WHO HEARTS "S" module's indicator 2

NUMERATOR Patients in the registry AND had controlled blood pressure (SBP <140 and DBP <90 mmHg) at the most recent clinical visit within the previous 3 months

DENOMINATOR Estimated number of people with hypertension in the catchment area*

*Defined as the number of adults in the catchment area multiplied by the prevalence of hypertension in the catchment area. If the regional prevalence of hypertension is not known, use the national prevalence.

3

SURVEY-BASED COMMUNITY-LEVEL HYPERTENSION CONTROL:

Prevalence of controlled hypertension in the community, as determined via survey approximately every 5 years

Adapted from the WHO HEARTS "S" module's indicator 3

NUMERATOR Number of respondents with controlled blood pressure (SBP <140 and DBP <90 mmHg) who report currently being treated with medications for hypertension*

DENOMINATOR Community-dwelling respondents with elevated blood pressure (SBP ≥140 or DBP ≥90mmHg) OR who report currently being treated with medications for hypertension

*Omit persons who self-report a hypertension diagnosis, and are currently normotensive, but are not treated with medications; most likely this represents mis-diagnosis as very few people with hypertension have blood pressure controlled by way of lifestyle change alone.