# Cardiovascular disease and search keywords

**1. CVDs due to atherosclerosis:**

- *Atherosclerosis*
- *Ischaemic heart disease* or *coronary artery disease* (e.g. *heart attack*, *infarction*, *heart failure*, *sudden cardiac arrest*, *venous thromboembolism*)
- *Cerebrovascular disease* (e.g. *stroke*, *aneurysm*)
- Diseases of the aorta and arteries, including *hypertension*, *peripheral vascular (arterial) disease*, *abdominal aortic aneurism*

**2. Other CVDs**

- *Congenital heart disease*
- *Rheumatic heart disease*
- *Cardiomyopathies*
- *Cardiac arrhythmias*
- *Lone atrial fibrillation*
- *Sick sinus syndrome*
- *Valvular heart diseases*
- *Tromboembolic disease*
- *Arrhythmia*
- *Pulmonary hypertension*
- *Pericardial complication*
- *Deep vein trombosis*

**3. Metabolic risk factors**

- *Raised blood pressure (hypertension)
- *Raised blood sugar (diabetes)*
- *Raised blood lipids (dislipidemia, raised cholesterol), metabolic syndrome*
- *Overweight and obesity*

**4. Lifestyle (interaction) factors**

- *smoking*
- *diet*
- *sedentary lifestyle*
- *alcohol intake*

Sources: https://web.archive.org/web/20140817123106/http://whqlibdoc.who.int/publications/2011/9789241564373_eng.pdf?ua=1

https://commed.vcu.edu/Chronic_Disease/Heart/2012/genomics_CVD.pdf

https://www.science.org/doi/10.1126/sciadv.abb8543

## Literature search.

## Standard operating procedure

## Nov 27, 2023

Search PubMed and google scholar for genome-wide association studies related to cardiovascular diseases, related metabolic conditions and their interactions with environmental/lifestyle factors. The list of conditions and keywords is available at the beginning of this document.

The search must include condition of interest, for example “coronary artery disease” in conjunction with “genome wide association study”. Record relevant studies in literature master list table that includes the following columns: pubmed ID, study title, and condition of interest. Search for synonymic keywords, for example “coronary artery disease” is also called “coronary

heart disease". Synonymic terms are included in the list of conditions at the top of the document.

Another strategy is to extract relevant titles using published literature reviews in the corresponding domains.