

Additional file 4: Data extraction sheet

CODE		
Methods	Study design	RCT Cohort study Case-control study Systematic review N/P (Not Provided) Other design
	Mendelian Randomization	Has Mendelian randomization been used in the study?
Biomarker(s)	Name	Name of the biomarker(s) in text format
	Molecular	Genetics/Genomics Epigenetics/Epigenomics Transcriptomics Metabolomics Proteomics Microbiomics/Microbiology Biochemistry Other molecular biomarker N/P
	Cellular	Histology (tissue abnormalities) Cytology (cell types) Other cellular biomarker N/P
	Image	X-Rays Ultrasound (echography, etc) CT Scan MRI Scintigraphy (Gamma) Mammography Other image biomarker N/P
	Physiological	Blood Pressure Anthropometric measures Other physiological biomarker N/P
	Clinical Utility	Does the paper mention the clinical utility of the biomarker? (explicitly)
	AI	Did they use AI technology or methods related to AI? (Deep learning, machine learning, clinical trial simulation, etc.)
	Radiomics	Does the paper mention radiomics?
Disease	Technology	If they used a new technology/wearable to measure the biomarker, specify which one Smart watch Pulse oximetry Infrared cameras Other: _____
	Group	CVD Cancer Neurodegenerative
	Sp. Disease	Breast cancer Lung cancer Prostatic cancer Gastric cancer Colorectal cancer Uterine cancer Cervical cancer Urothelial cancer Pancreatic cancer Liver cancer

		Kidney cancer Ischemic heart disease Cardiomyopathy and myocarditis Atrial fibrillation and atrial flutter Aortic aneurysm Nonrheumatic valvular heart disease Peripheral artery disease Stroke Stroke - ischemic stroke Stroke - intracerebral hemorrhage Stroke - subarachnoid hemorrhage ALS Parkinson Alzheimer Frontotemporal dementia Vascular dementia Lewy body disease Multiple sclerosis
Prevention	Type	Primary Secondary: Screening, early diagnosis, and early detection N/P
	If Primary: Lifestyle	Smoking Exercise Diet Alcohol Air pollution Immunization Obesity Preventive drugs N/P Other: _____ Specify which one
	If Secondary: Risk stratification	Did they stratify by risk?
Population	Population type	General: without any other condition or healthy participants. (Included in all disease groups) Smoking (all) Alcohol consumption (all) Family history (all) Diabetes (included in CVD and cancer) Hypertension (included in CVD and neurodegenerative diseases) Cholesterol/Dyslipidaemia (included in CVD) Obesity (included in CVD, cancer, and neurodegenerative diseases) HIV (included in cancer) HPV (included in cancer) Helicobacter pylori (included in cancer) Kidney Failure/CKD (included in CVD) Cirrhosis (included in cancer) Hepatitis Virus B/C/D (included in cancer) Sleep (included in neurodegenerative diseases) Apoe genotype (included in neurodegenerative diseases) Hearing impairment (included in neurodegenerative diseases) N/P
Observations		Subjective reviewer observations (if needed)