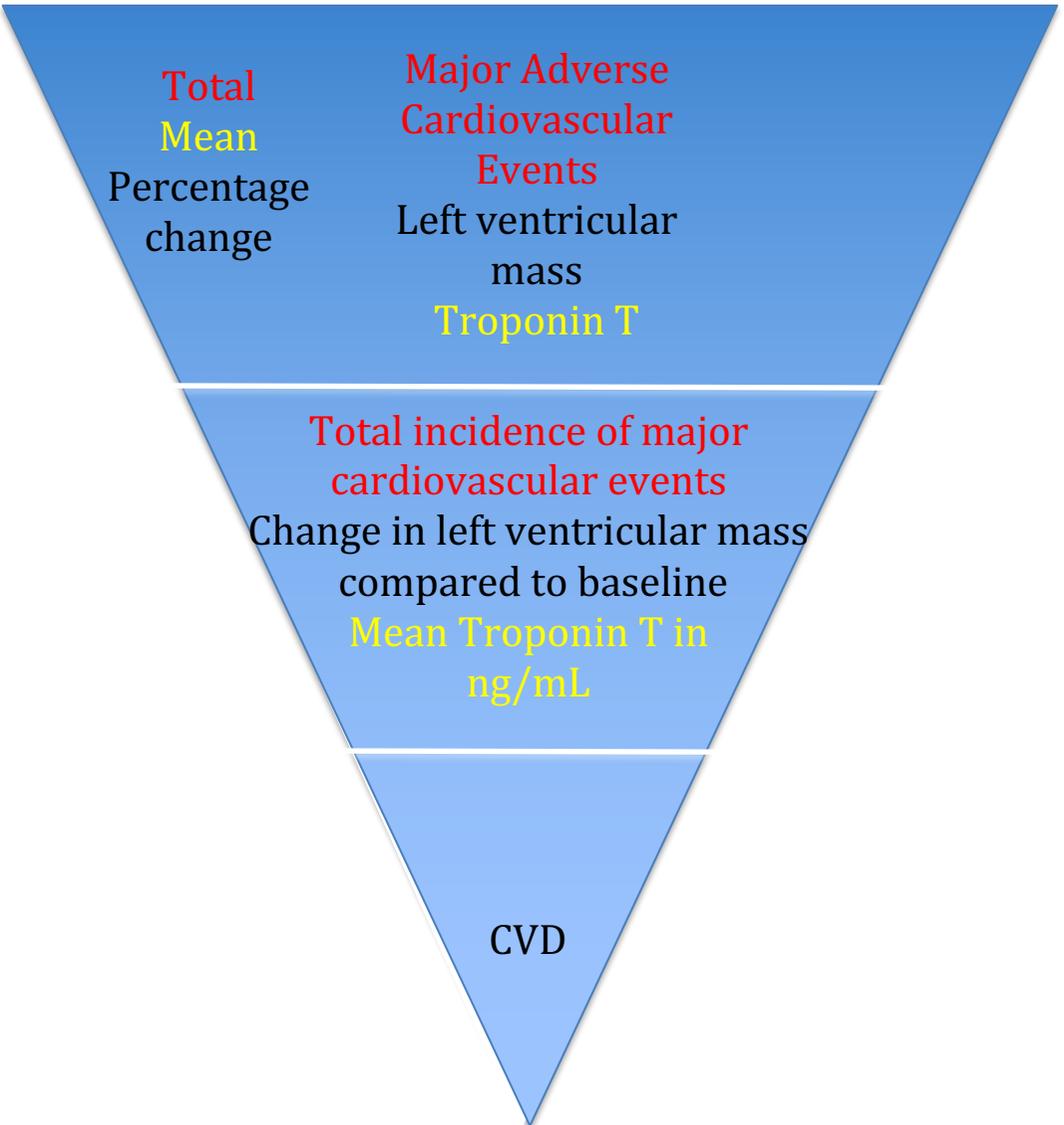
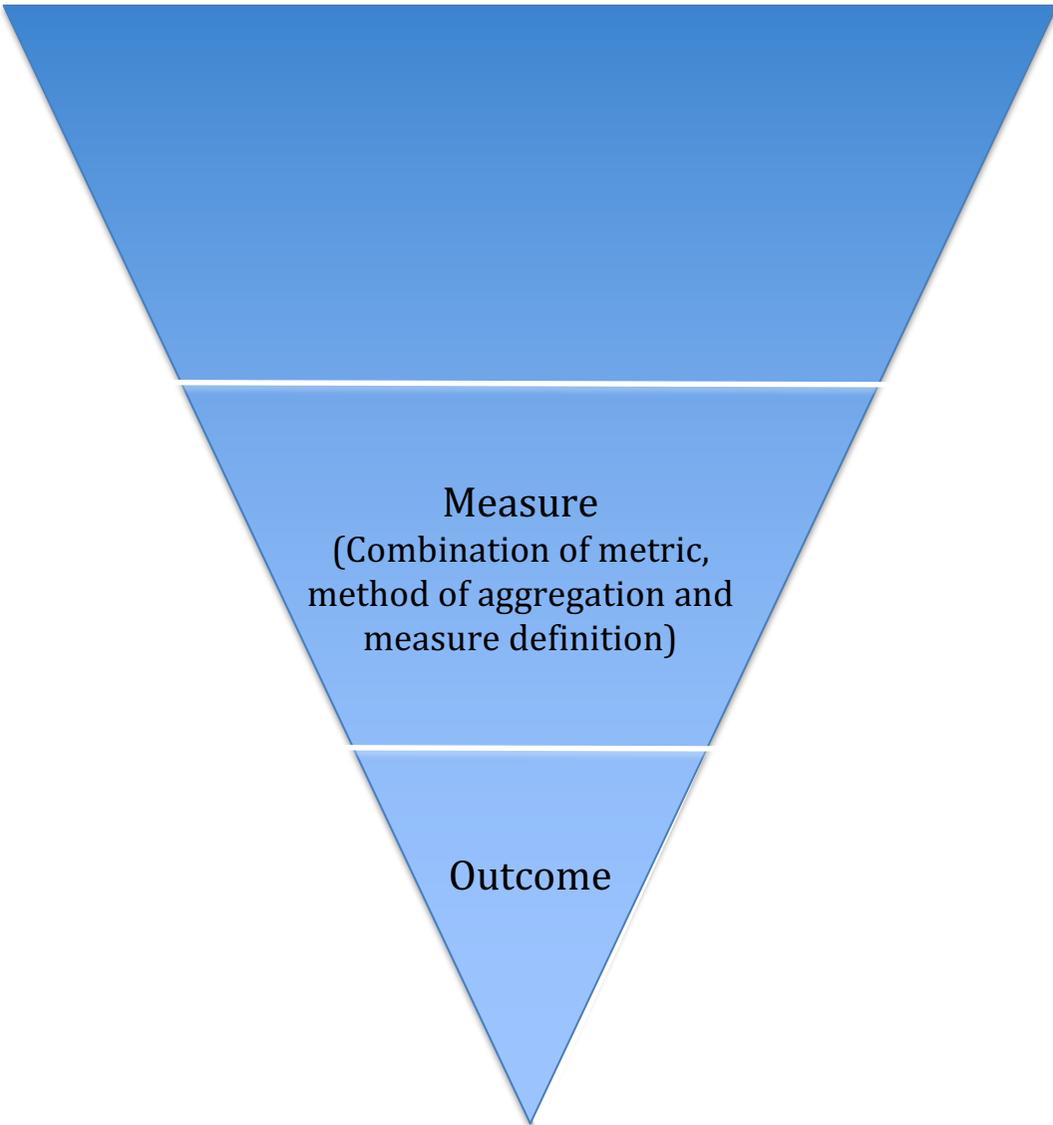


Supplementary Data

Figure S1. Schema of the categorization process for outcomes, measures and their components. Left panel is the schema and right panel are examples.



Method of
Assessment
Aggregation

Change from
baseline
Incidence
ng/mL

Cardiac morphometry
Cardiovascular
composite
Cardiac
Biomarkers

Domain

Figure S2. Number of unique cardiovascular outcome definitions reported by each unique trial included in the systematic review.

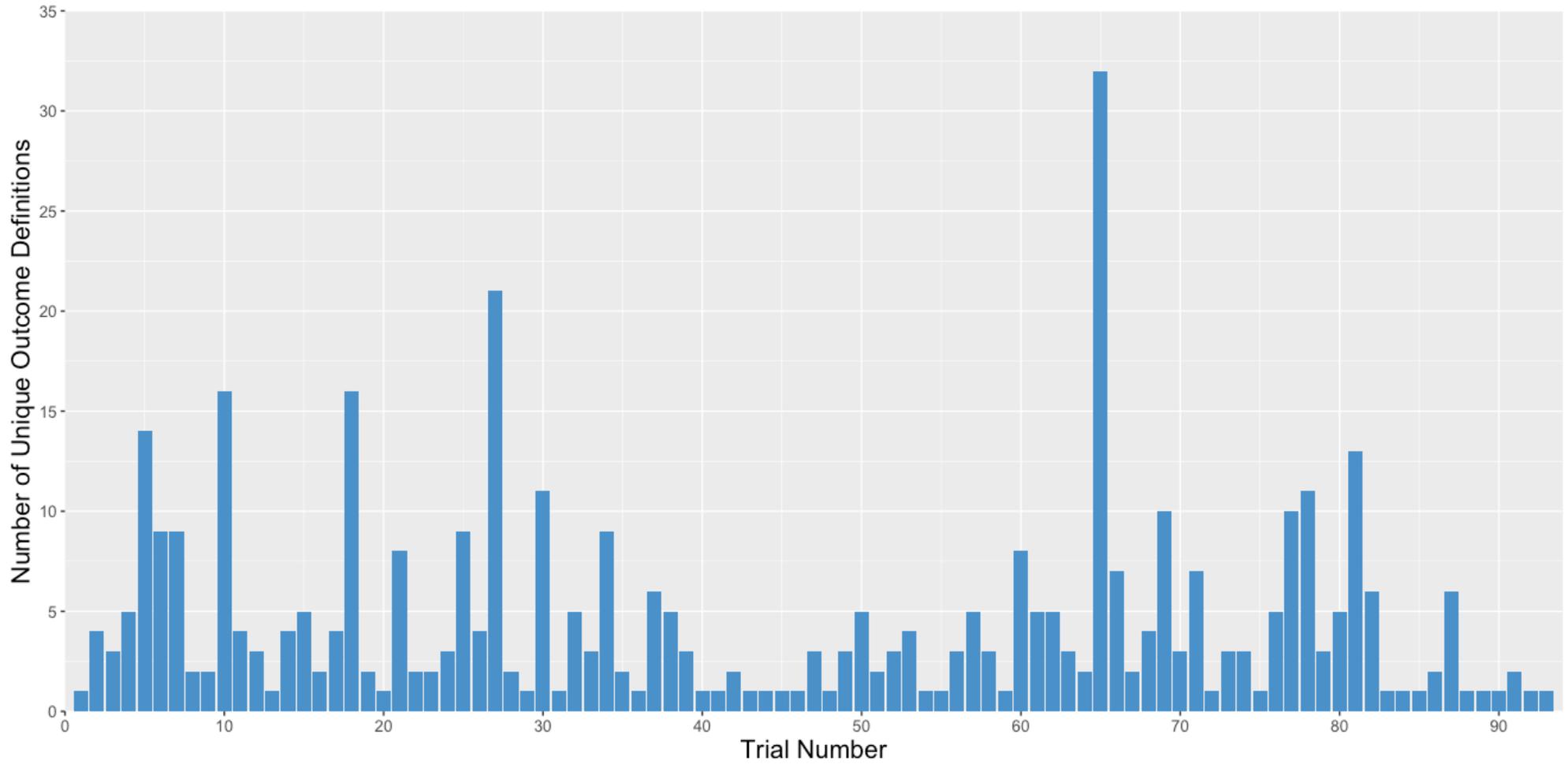


Figure S3. Number of unique outcome measure definitions (without accounting for different metrics and methods of aggregation; in red) and outcome measures (unique combinations of outcome definition, outcome metric and outcome method of aggregation; in blue) reported. AAA = abdominal aortic aneurysm; AICD = automatic implantable cardioverter defibrillator; ECG = electrocardiogram; Func Ax = Functional Assessment.

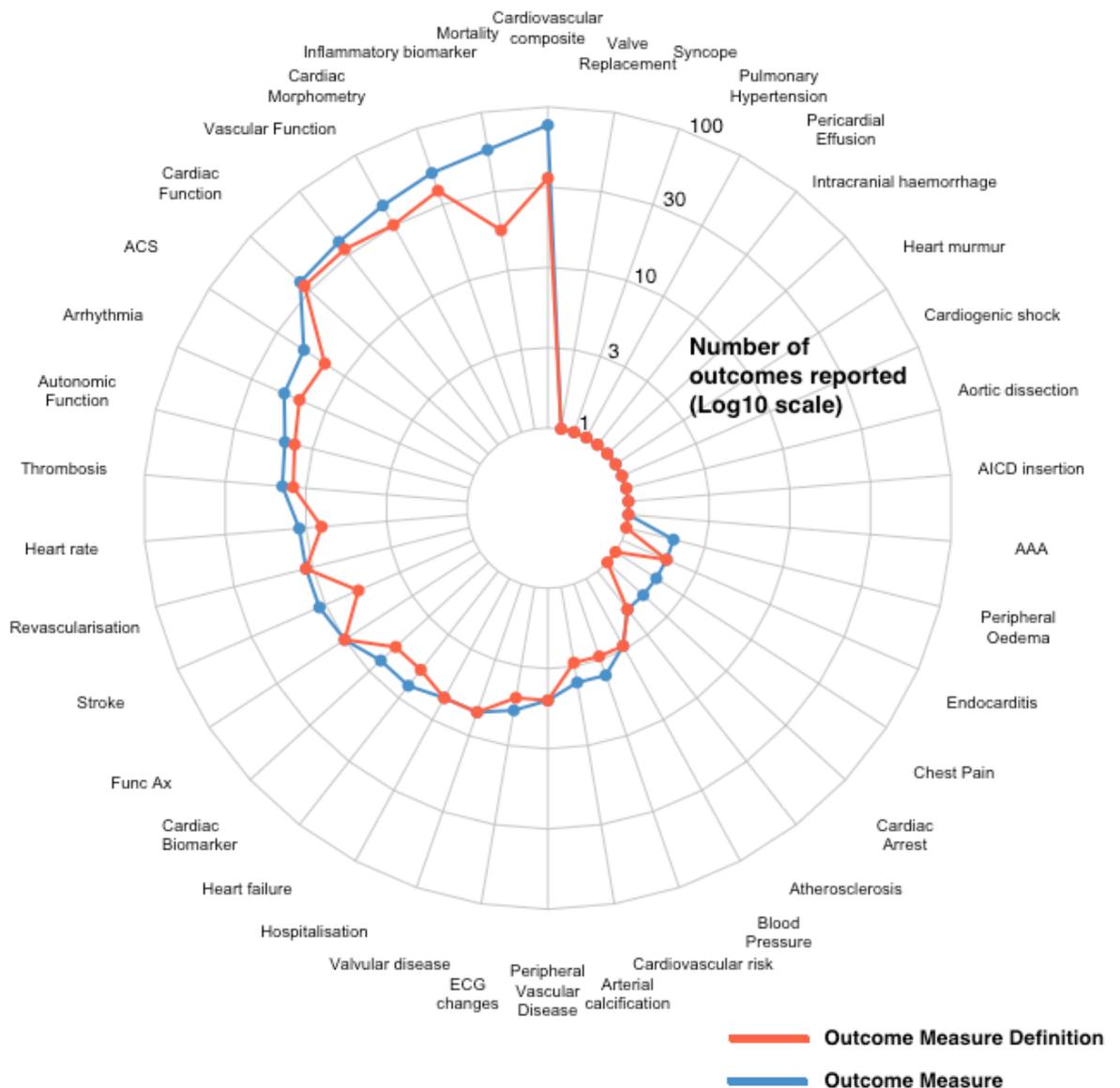


Figure S4. Number of trials reporting individual components of cardiovascular composite measures and the time points each component was reported. Left axis represents the number of trials reporting the individual outcome component and the right axis describes the time point in months that each outcome was measured.

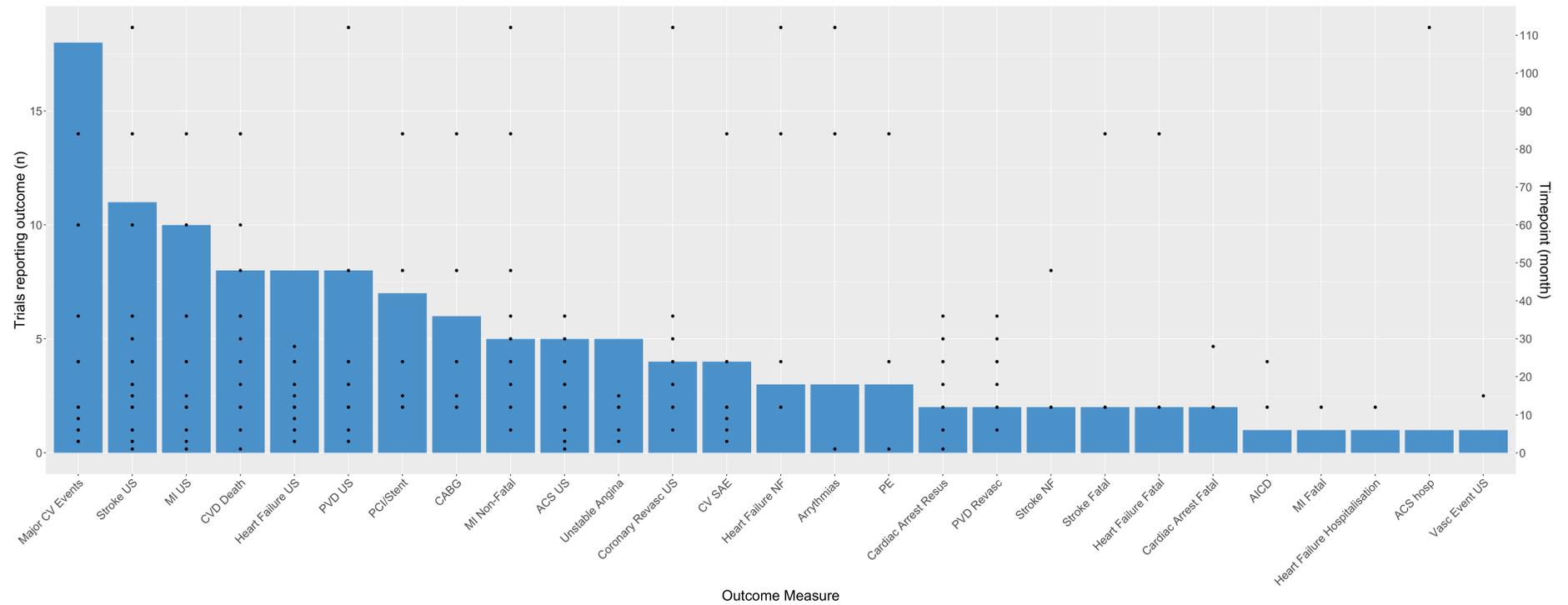


Table S1. Search strategy for systematic review.

Database	Number	Search term
Medline	1	Kidney transplant
	2	randomized controlled trial.pt.
	3	1 and 2
	4	limit 3 to yr="2013 -Current"
	5	exp Cardiovascular Diseases/
	6	exp Cerebrovascular Circulation/ or exp Cerebrovascular Disorders/
	7	exp Myocardial Revascularization/ or exp Myocardial Ischemia/ or exp Myocardial Infarction/
	8	5 or 6 or 7
	9	4 and 8
	10	exp Coronary Disease/ or exp Atherosclerosis/
	11	exp Stroke/
	12	exp Vascular Diseases/
	13	5 or 6 or 7 or 10 or 11 or 12
	14	4 and 13
	15	exp Mortality/
	16	13 or 16

	17	13 and 25
	18	clinical trial.pt. or randomized.ab. or placebo.ab. or dt.fs. or randomly.ab. or trial.ab. or groups.ab.
	19	1 and 13
	20	1 and 16
	21	18 and 20
	22	limit 21 to yr="2013 -Current"
	23	limit 22 to ("all adult (18 plus years)" and humans)
Embase	1	Kidney transplant
	2	cardiovascular.mp. or interventional cardiovascular procedure/ or cardiovascular risk/ or cardiovascular equipment/ or cardiovascular system/ or cardiovascular catheter/ or cardiovascular performance/ or cardiovascular autoregulation/ or cardiovascular procedure/ or cardiovascular tissue/ or cardiovascular parameters/ or cardiovascular system examination/ or cardiovascular symptom/ or

	cardiovascular system tumor/ or cardiovascular response/ or cardiovascular monitoring device/ or cardiovascular surgical equipment/ or cardiovascular infection/ or drug eluting cardiovascular stent/ or cardiovascular inflammation/ or cardiovascular stent/ or cardiovascular agent/ or cardiovascular malformation/ or cardiovascular surgery/ or cardiovascular therapeutic device/ or cardiovascular effect/ or cardiovascular diagnostic device/ or cardiovascular gene therapy/ or cardiovascular magnetic resonance/ or cardiovascular mortality/ or cardiovascular function/ or cardiovascular disease/ or cardiovascular reflex/ or cardiovascular disease assessment/
3	exp cerebrovascular disease/ or exp occlusive cerebrovascular disease/ or exp cerebrovascular accident/ or exp cerebrovascular surgery/
4	cardiac.mp.
5	exp peripheral occlusive artery disease/ or exp peripheral circulation/ or exp peripheral vascular system/ or exp peripheral vascular disease/ or exp peripheral ischemia/
6	exp cardiovascular mortality/ or exp mortality/
7	exp atherosclerosis/ or exp coronary artery atherosclerosis/ or exp aorta atherosclerosis/ or exp carotid atherosclerosis/ or exp brain atherosclerosis/

	8	exp heart/
	9	stroke.mp.
	10	2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
	11	1 and 10
	12	limit 11 to (randomized controlled trial and yr="2013")
	13	limit 12 to human
	14	limit 13 to adult <18 to 64 years>
	15	limit 14 to aged <65+ years>
	16	14 or 15
Clinicaltrials.gov	1	Kidney transplant
	2	cardiovascular

3	Study type = All studies
4	Study Results = All studies
5	Age Group = adult (18-64)
6	Study Start = From 01/01/2013 to current

Table S2. Number of times an outcome was reported at least once in a trial for each trial intervention category.

Outcome	Behavioral (N=9)	Device (N=1)	Lifestyle (N=3)	Other (N=5)	Pharmacological (N=72)	Surgery (N=3)
Abdominal aortic aneurysm	0	0	0	0	1	0
Acute coronary syndrome	0	0	0	1	30	0
AICD insertion	0	0	0	0	1	0
Aortic dissection	0	0	0	1	0	0
Arrhythmia	1	0	0	0	13	0
Arterial calcification	0	0	0	0	1	1
Atherosclerosis	0	0	0	0	2	0
Autonomic function	2	0	0	0	5	1
Blood pressure	0	0	0	0	2	0
Cardiac arrest	0	0	0	0	2	0
Cardiac biomarker	0	0	1	0	5	1
Cardiac function	3	0	1	0	8	1
Cardiac morphometry	2	0	0	1	9	1
Cardiogenic shock	0	0	0	0	1	0

Cardiovascular composite	2	1	0	3	34	0
Cardiovascular risk	0	0	1	0	4	0
Chest Pain	0	0	0	0	3	0
ECG changes	0	0	0	0	4	0
Endocarditis	0	0	0	0	2	0
Functional assessment	4	0	0	0	0	0
Heart failure	0	0	0	1	8	0
Heart murmur	0	0	0	0	1	0
Heart rate	3	1	1	0	6	0
Hospitalisation	1	1	0	1	3	1
Inflammatory biomarker	3	0	1	0	10	0
Intracranial hemorrhage	0	0	0	0	1	0
Mortality	1	0	0	0	38	0
Pericardial effusion	0	0	0	0	1	0
Peripheral edema	0	0	0	0	3	0
Peripheral vascular disease	0	0	0	0	3	1
Pulmonary hypertension	0	0	0	0	1	0
Revascularization	0	0	0	0	6	0

Stroke	0	0	0	1	15	0
Syncope	0	0	0	0	1	0
Thrombosis	0	0	0	0	12	0
Valve replacement	0	0	0	0	1	0
Valvular disease	0	0	0	0	4	0
Vascular function	2	0	1	2	12	0

Table S3. The number of trial reporting an outcome at a specific Time Point (Nb. Months that did not have any outcomes recorded are not included in the table).

Time Point (month)	Number of Trials with an Outcome Reported at Time Point
1	7
2	3
3	13
4	2
6	24
7	1
9	2
10	1
12	44
13	1
15	1
18	2
24	18
28	1
29	1
36	8
48	4
60	9
72	3
80	1
84	6
120	3
180	1

Table s4. Trial duration analyzed by study intervention type. Pharmacological trials were more likely to run for more than 12 months compared to non-pharmacological trials.

Duration	Pharmacological	Behavioral	Device	Lifestyle	Surgical	Other
1-3	3	2	0	1	0	1
4-6	5	4	0	0	1	1
7-12	30	1	1	1	2	0
13-24	17	0	0	1	0	1
25-48	4	1	0	0	0	1
48 or greater	14	1	0	0	0	0