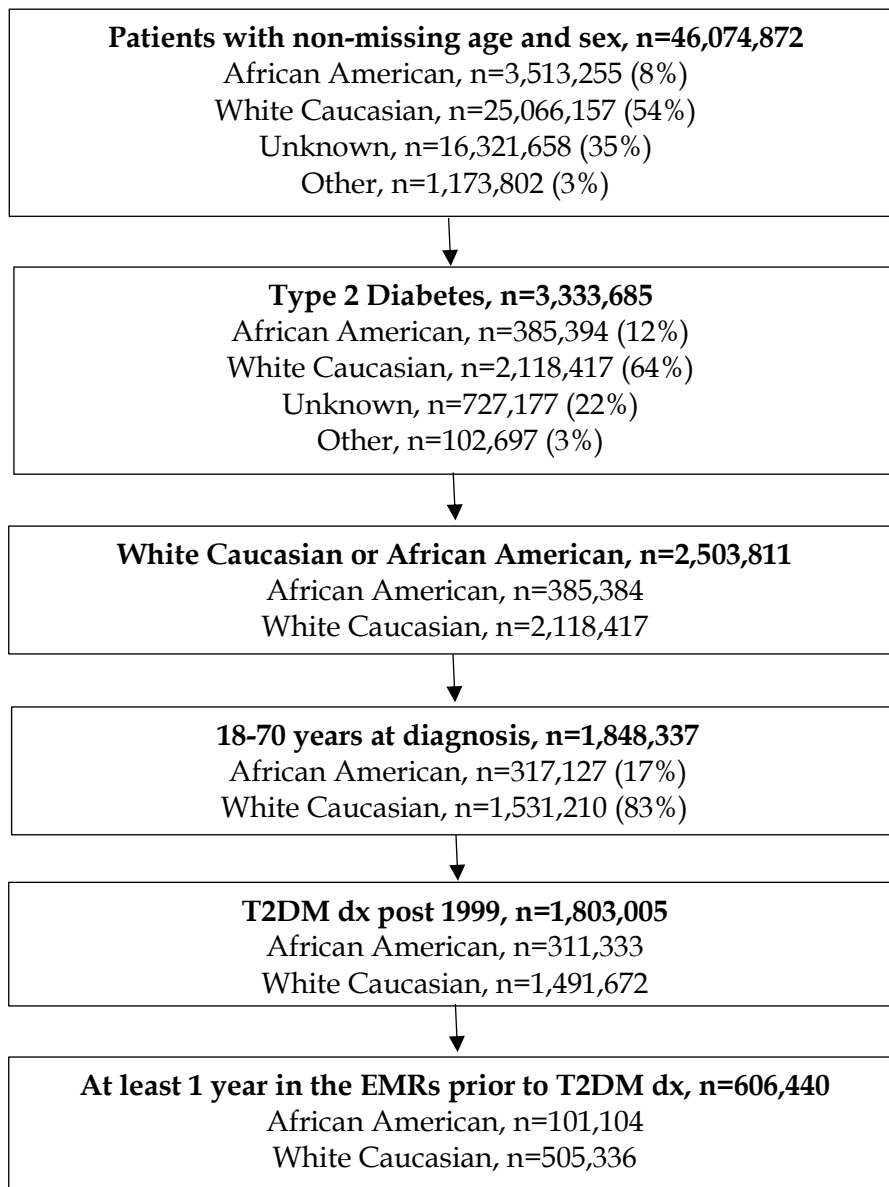


Supplementary Figure 1: Flow-chart of study cohort.



Supplementary Table 1: List of antidepressants drugs coded in the US Centricity Electronic Medical Records that was used to identify people with depression.

Drug class	Generic name	Brand name	Indications
Tricyclic antidepressants (TCAs)	amitriptyline	ALAVIL(Elavil), SENTRAVIL, LIMBITROL, TRIAVIL, VANATRIP, ETRAFON	major depressive disorder (MDD), anxiety disorders, and less commonly attention deficit hyperactivity disorder (ADHD) and bipolar disorder,
	amoxapine	ASENDIN	anxiety, depression
	clomipramine	ANAFRANIL	depression, anxiety, panic disorder
	doxepin	SILENOR, SINEQUAN	insomnia (low dose of doxepin), depression, anxiety
	trimipramine, desipramine, imipramine	SURMONTIL, NORPRAMIN, TOFRANIL,	depression
	nortriptyline	PAMELOR, AVENTYL	depression, ADHD
	protriptyline	VIVACTIL	depression, ADHD
Monoamine -oxidase inhibitors (MAOIs)	isocarboxazid	MARPLAN	depression
	Phenelzine	NARDIL	depression
	tranylcypromine	PARNATE	depression
Selective serotonin reuptake inhibitors (SSRIs)	Fluoxetine	Prozac, SYMBYAX, SARAFEM, SELFEMRA	MDD, obsessive compulsive disorder (OCD), bulimia nervosa, panic disorder, and premenstrual dysphoric disorder (PMDD), depression associated with bipolar, anxiety, anorexia nervosa, Posttraumatic Stress Syndrome (PTSD), Binge Eating Disorder
	sertraline	ZOLOFT	depression, OCD, panic disorder, PTSD, social anxiety disorder, and PMDD
	paroxetine	PAXIL, PEXEVA	depression, OCD, panic attacks, anxiety disorders, PTSD, and PMDD
	citalopram	CELEXA, CIPRAMIL	depression, anxiety, OCD, panic disorder, PTSD, and PMDD
	escitalopram	LEXAPRO, CIPRALEX	anxiety in adults and MDD
	fluvoxamine	LUVOX	OCD, depression
	vortioxetine	BRINTELLIX, TRINTELLIX	major depressive disorder

Serotonin-noradrenaline reuptake inhibitors (SNRIs)	Venlafaxine, desvenlafaxine	EFFEXOR, PRISTIQ, KHEDEZLA	anxiety, depression
	duloxetine	CYMBALTA, IRENKA	depression, anxiety
	levomilnacipran	FETZIMA	depression
Other antidepressants	bupropion	BUDEPRION, BUPROBAN, WELLBUTRIN, APLENZIN, APPBUTAMONE, FORFIVO, APLENZIN	depression
	trazodone	OLEPTRO, DESYREL	depression
	mirtazapine	REMERON	depression
	nefazodone	SERZONE	depression
	maprotiline	LUDIOMIL	depression, anxiety
	vilazodone	VIIBRYD, TIANEPTINE	depression, anxiety

Supplementary Table 2: By age groups at the time of type 2 diabetes diagnosis, crude rate (95% CI) per 1000 persons years of follow-up for atherosclerotic cardiovascular disease (ASCVD), Heart Failure (HF) and MACE-3 (HF, myocardial infarction, stroke) in White Caucasian (WC) and African American (AA).

Age group	ASCVD rates in AA	ASCVD rates in WC	HF rates in AA	HF rates in WC	MACE-3 rates in AA	MACE-3 rates in WC
18-39 years	7.1 (6.5, 7.8)	6.3 (6.0, 6.6)	3.1 (2.7, 3.6)	1.5 (1.4, 1.7)	4.6 (4.1, 5.2)	2.9 (2.7, 3.1)
40-49 years	15.3 (14.5, 16.2)	15.7 (15.3, 16.1)	5.6 (5.2, 6.1)	3.3 (3.1, 3.5)	9.1 (8.5, 9.7)	6.5 (6.2, 6.7)
50-59 years	23.1 (22.3, 23.9)	25.3 (24.9, 25.7)	8.9 (8.4, 9.4)	6.0 (5.9, 6.2)	13.7 (13.2, 14.3)	10.6 (10.4, 10.8)
60-69 years	36.0 (34.9, 37.2)	40.6 (40.1, 41.0)	12.2 (11.6, 12.8)	12.0 (11.8, 12.2)	19.4 (18.6, 20.1)	18.6 (18.3, 18.8)