Name	Dutch Famine Birth Cohort (DFBC)
Description	The cohort was set up to investigate the effects of acute maternal
·	undernutrition during specific stages of gestation on the offspring's adult
	health. The main outcomes of interest of the DFBC are chronic cardiovascular
	and metabolic diseases, ageing and mental health. Differences in various
	outcomes have been found between participants exposed to famine and
	unexposed participants. Although statistically significant, these differences are
	not very large, therefore adjusting for exposure group enables researchers to
	use DFBC data in pooled analyses.
Location	Amsterdam (at birth)
Lead Institute	AMC
Cohort size	2414 respondents
Start Cohort	1994 (912 respondents)
Follow-up	2002 (860 respondents)
	2008 (601 respondents F1 and 482 respondents F2)
	2012 (151 respondents) * subsample
	2018 (595 respondents)
	2019 (92 respondents) * subsample
Variables and	Measurements: self-reported questionnaire and clinical measurements. 2008
Measurement methods	and 2018 participants assessed via self-reported questionnaires only.
	Main variables collected (available across all waves):
	iviant variables confected (available across all waves).
	Self-reported:
	general information, medical information, lifestyle factors, physical
	activity, weight history, reproductive history, self-perceived health,
	medication use (except 2018, see below)
	incurcation use (except 2010, see selow)
	Clinical highlights:
	anthropometrics
	glucose concentration, glucose-tolerance test
	blood pressure
	• ECG
	• IMT
	lipid profile
	<ul> <li>psychosocial stress testing</li> </ul>
	cognitive function
	MRI of the brain
	14MA OF the Stall
	Wave specific variables collected:
	Variables collected in 1994:
	lung function
	Variables collected in 2002:
	<ul> <li>ultrasound examinations of the arterial walls of the carotid and femoral</li> </ul>
	arteries, , psychological Stress tests (cortisol, HR and BP), genomic DNA
	from blood plasma, intravenous glucose tolerance test in a subsample
	(n=94), synacthen test in a subsample (n=98);
	Variables collected in 2008:

	<ul> <li>transgenerational effects based on F2 questionnaire (general information, birth characteristics, self-perceived health, exercise, medical information, lifestyle factors); F0-F1-F2 (grandmother-parent- child) buccal swab for DNA methylation;</li> </ul>
	Variables collected in 2012:
	<ul> <li>brain imaging (MRI) (white matter hyper intensities, cerebral micro bleeds, total cortical, hippocampal and lacunar volume, brain perfusion, resting brain state conditions, BrainAge, brain perfusion), physical performance, visual acuity, cellular aging (telomere length);</li> </ul>
	Variables collected in 2018:
	<ul> <li>daily life functioning, pain complaints, mood, memory, attention, and cognition, diseases, tasks and activities in daily life, social activities, quality of life, medical care consumption, stressful life events, health problems resulting from stressful events, and childhood experiences;</li> </ul>
	Variables collected in 2019:
	<ul> <li>brain Imaging (MRI) (white matter hyper intensities, cerebral micro bleeds, structural total and area brain volumes, brain perfusion, BrainAge, resting brain state conditions, active brain state conditions during Stroop selective attention task)</li> </ul>
Availability and type of - omic data	GWAS, DNA methylation, metabolomics, lipidomics
Design paper	Bleker et al. 2021 BMJ
Website	https://www.hongerwinter.nl/