

Supplementary Table 1. Algorithms used to detect diabetes, high blood pressure, and dyslipidemia status using data from the CONSTANCES cohort and the National Health Data System (Système National des Données de Santé, SNDS)

	Health examination variables*	SNDS variables	Confirmation criteria (if either)
Diabetes	<ul style="list-style-type: none"> - Personal history of type 1 or 2 diabetes - Blood sugar level from blood tests 	<ul style="list-style-type: none"> - Medication dispensation type based on the Anatomical Therapeutic Chemical Classification System (ATC) 	<ul style="list-style-type: none"> - Personal history of type 1 or 2 diabetes reported - Blood sugar level ≥ 7 mmol/L - Medication dispensation of an ATC A10 drug (except A10BX06) in the 6 months before inclusion
High blood pressure	<ul style="list-style-type: none"> - Personal history of high blood pressure - Blood pressure from physical examination 	<ul style="list-style-type: none"> - Medication dispensation type based on ATC classification 	<ul style="list-style-type: none"> - Personal history of high blood pressure reported - Systolic pressure ≥ 140 mm Hg or diastolic pressure ≥ 90 mm Hg - Medication dispensation of specified ATC drugs[†] in the 6 months before inclusion
Dyslipidemia	<ul style="list-style-type: none"> - Personal history of hypercholesterolemia or hypertriglyceridemia - Blood cholesterol and triglyceride levels 	<ul style="list-style-type: none"> - Medication dispensation type based on ATC classification 	<ul style="list-style-type: none"> - Personal history of hypercholesterolemia or hypertriglyceridemia reported - Fasting cholesterol level ≥ 6.61 mmol/L or triglyceride level ≥ 1.7 mmol/L - Medication dispensation of an ATC C10 drug in the 6 months before inclusion

*Variables from the health examination with a health professional; [†]ATC codes for high blood pressure: C03EA, C02AB02, C02AC01, C02AC02, C02AC05, C02AC06, C02CA01, C02CA06, C02DC01, C02LA01, C03AA01, C03AA03, C03BA04, C03BA10, C03BA11, C03BX03, C03CA01, C03CA02, C03CA03, C03DA01, C03DB01, C03EA01, C03EA04, C07AA02, C07AA03, C07AA05, C07AA06, C07AA12, C07AA15, C07AA16, C07AA23, C07AB02, C07AB03, C07AB04, C07AB05, C07AB07, C07AB08, C07AB12, C07AG01, C07BA02, C07BB02, C07BB03, C07BB07, C07BB12, C07CA03, C07DA06, C07FB02, C07FB03, C08CA01, C08CA02, C08CA03, C08CA04, C08CA05, C08CA08, C08CA09, C08CA11, C08CA13, C08CX01, C08DA01, C08DB01, C08GA02, C09AA01, C09AA02, C09AA03, C09AA04, C09AA05, C09AA06, C09AA07, C09AA08, C09AA09, C09AA10, C09AA13, C09AA15, C09AA16, C09BA01, C09BA02, C09BA03, C09BA04, C09BA05, C09BA06, C09BA07, C09BA09, C09BA15, C09BB02, C09BB04, C09BB10, C09BX02, C09CA01, C09CA02, C09CA03, C09CA04, C09CA06, C09CA07, C09CA08, C09DA01, C09DA02, C09DA03, C09DA04, C09DA06, C09DA07, C09DA08, C09DB01, C09DB02, C09DB04, C09XA02, C09XA52, C10BX03.