

# EGIR-RISC - Relationship between insulin sensitivity and cardiovascular disease

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General	
Identification	
Detailed name	Relationship between insulin sensitivity and cardiovascular disease
Sign or acronym	EGIR-RISC
General Aspects	
Medical area	Endocrinology and metabolism
Study in connection with Covid-19	No
Health determinants	Addictions Lifestyle and behavior Social and psychosocial factors
Scientific investigator(s) (Contact)	
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Collaborations	
Funding	
Funding status	Mixed
Details	Financement européen public, AstraZeneca, Merck

## Governance of the database

Sponsor(s) or organisation(s) responsible	Centre de Recherche en Nutrition Humaine de Lyon (CRNHL)
Organisation status	Public

## Additional contact

## Main features

### Type of database

Type of database	Study databases
Study databases (details)	Cohort study

Database recruitment is carried out by an intermediary	A selection of health institutions and services
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Database recruitment is carried out as part of an interventional study	No
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### Database objective

Main objective	<p>Main objective: study of insulin resistance and atherosclerosis, determinants of insulin resistance, its evolution on 9 years and consequences, diabetes, cardiovascular diseases and premature death.</p> <p>Secondary objectives:</p> <ol style="list-style-type: none"><li>1. The evaluation of insulin resistance and its association with cardiovascular diseases</li><li>2. Identification of genetic and environmental factors linked to insulin resistance</li><li>3. The proposition of a model to identify insulin resistance</li></ol>
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Inclusion criteria	<ul style="list-style-type: none"><li>- Aged between 30 and 60 years</li><li>- Good general health condition</li><li>- No symptoms of cardiovascular diseases</li><li>- blood pressure inferior to 170/90 mm Hg</li><li>- Total cholesterol inferior to 7,8 mmol/l</li><li>- Triglycerides levels inferior to 4,6 mmol/l</li><li>- Plasma glucose level (on an empty stomach and 2 hours after an oral glucose control) inferior to 7,0/11,1 mmol/l</li><li>- No treatment related to diabetes, hypertension or lipid disorders</li></ul>
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### Population type

Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years)
Population covered	General population
Pathology	
Gender	Male Woman
Geography area	International
Detail of the geography area	Austria, Denmark, Finland, France, Germany, Greece, Netherlands, Ireland, Italy, Sweden, Spain, Switzerland, United Kingdom, Serbia and Montenegro
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	2002
Date of last collection (YYYY or MM/YYYY)	2007
Size of the database	
Size of the database (number of individuals)	[1000-10 000[ individuals
Details of the number of individuals	1500
Data	
Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Paraclinical data Biological data
Clinical data (detail)	Medical registration
Declarative data (detail)	Phone interview
Paraclinical data (detail)	Imaging at inclusion and at 3 years : carotid artery scan, Doppler of arm arteries, full body scan in 2 centers (about 150 subjects)

Biological data (detail)	Plasma, serum, leukocyte layer, DNA
Presence of a biobank	Yes
Contents of biobank	Serum Plasma Fluids (saliva, urine, amniotic fluid, ?) DNA
Details of biobank content	At inclusion and at 3 years : blood (lipid profile, genetic characteristics analysis), urine
Health parameters studied	Health event/morbidity Health event/mortality
<b>Procedures</b>	
Data collection method	Interview questionnaire : (1) Life habits, family history (2) occurrence of diseases (3) Lifestyle (personal and family history, tobacco, alcohol, peripheral arterial disease, angina) (4) clinical signs or symptoms, diabetes or weight variation since the examinations (5) Clinical signs or symptoms of cardiovascular diseases, diabetes or weight variation since the examinations, sleep and depression. Clinical examination : (6) Anthropometric measures, blood pressure, ECB, "body-fat" measure by biometrical impedance analysis, hyperinsulinemic-euglycemic clamp, glucose tolerance test, glucose test IV, quantity and quality evaluation of physical activity (7) Anthropometric measures, blood pressure, ECB, "body-fat" measure by biometrical impedance analysis, glucose tolerance test, glucose test IV
Participant monitoring	Yes
Details on monitoring of participants	Follow-up questionnaire
Links to administrative sources	No
<b>Promotion and access</b>	
<b>Promotion</b>	
Link to the document	<a href="http://www.hal.inserm.fr/RISC_STUDY">http://www.hal.inserm.fr/RISC_STUDY</a>
Description	List of publications in HAL
Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=%28Balkau[Author]%29+AND+%28Risc+OR+%22Risk+study%22%29+OR+20660046[uid]">http://www.ncbi.nlm.nih.gov/pubmed/?term=%28Balkau[Author]%29+AND+%28Risc+OR+%22Risk+study%22%29+OR+20660046[uid]</a>

Description

List of publications in Pubmed

## Access

Terms of data access (charter for data provision, format of data, availability delay)

For data access, please submit a written request to the "project management board". Diffusion : oral communications during congresses, published articles, press releases, diffusion to general practitioners and diabetologists, newspapers

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only