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Korean Genome Epidemiology Study (KoGES)

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Genetic Factors to increase the risk of a specific disease, are different on individuals, populations, ethics and regions. Most nations have many programs to investigate genotype and genome depending on populations and ethics by the government and international huge companies. Epidemiology projects on Korea are small on the number of subjects and not enough to study Korean epidemiological factors. Also it needs standardization, fidelity, and validity to each project. Therefore we made the 'Korean Genome Epidemiology Study (KoGES)' to supply the baseline for Korean epidemiological data and increase the direct application from the epidemiological results to the field. KoGES as the national research-investigation study has the purpose to make large subjects above 100,000 persons and analyze the relationship between five major diseases and individuals (clinical, habit, nutrients etc)/environmental (job, outdoor etc)/genetic information with concise health examinations, professional questionnaire, etc and follow-up investigation for 10~15 years. From 2001, 46 national and 3 international genomic epidemiological centers are established. 80,000 subjects and data and 220,000 biomaterials (genome, serum, plasma, urine etc) are collected and ready to distribution for genome researcher and epidemiologist. Center for Genome Science study the relationships between data (epidemiological, clinical, genomic, etc) and biomaterials to find many factors to make diseases.

