

Survey of Research and experimental development

In order to meet the needs of users for research and experimental development activities, the Statistical Center of Iran has implemented a Survey Research and experimental development successively every two years since the year 1376¹

The overall objective of the implementation of the Survey of Research and experimental development is to provide and produce the required statistics based on the Frascati Manual to determine important indicators of research and experimental development, including the number of researchers, research and experimental development expenditures and meeting the statistical needs of the planning organizations. This Survey includes the following three statistical population:

1. Enterprises and institutes providing research and development services that were specified in the International Standard Industrial Classification of All Economic Activities, Revision 4 (ISIC Rev4) with the following four-digit codes:

721 - • Research and experimental development on natural sciences and engineering.

722- Research and experimental development on social sciences and humanities .

2. Universities, institutions of higher education, which are identified in the International Standard Industrial Classification of All Economic Activities, Revision 4 (ISIC Rev4) with the code 8530.

3. Other enterprise with research and experimental development activities including manufacturing enterprises with 50 and more workers, knowledge-based companies, etc. that have a research and development unit.

Some of the information of the mentioned survey in the year 1398 is as follows

Researchers in full-time equivalent (FTE)

The distribution researchers in full- time equivalent in enterprises with research and development activities by educational degree shows that in the year 1398, of 137592 full-time equivalent researchers, a number of 94342 people (68.6%) were male and 43251 people (31.4%) were female.

¹ It is the Iranian year which usually begins on the day of 21 March of the Gregorian calendar. To find the corresponding year of the Gregorian calendar, add 621 or 622 (depending on the time of the year) to a [solar Hijri](#) year. For example the corresponding year of the year 1376 in the Gregorian calendar is (20 March 1997-21 March 1998).

Other R&D personnel in full-time equivalent (FTE)

The results of the survey in enterprises with research and development activities depict that other full-time equivalent R&D personnel in the year 1398 were 66103 people. Of these, 38,764 (58.6%) were technicians and 27,339 (41.4%) were office and support staff.

Number and percentage of R&D projects by type

According to the results of the survey enterprises with research and development activities in the year 1398, 125097 research projects were conducted. In view of project type, the applied project with 55.1% had the highest share of other completed projects. The shares of development projects and fundamental projects were 26.4% and 18.5%, respectively.

Research and development expenditures by cost

According to the results of the survey of enterprises with research and development activities in the year 1398, R&D expenditures were 215706453 million rials, in which Cost of researcher with 40.1 percent enjoyed the largest share. Capital expenditures with an amount of 47445941 million rials and with a share of 22% were in the second stand of research and development expenditures. The share of Cost of other R&D personnel was 17.1% and other current expenditures account for 20.7% of the total R&D costs.