



مركز الإحصاء
STATISTICS CENTRE



مسح البحث و التطوير

Research and Development Survey

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Overview

The research and development survey project is one of the leading projects implemented by the Statistics Centre – Abu Dhabi, with the survey outputs set to play a major role in various sectors terms of the emirate's development, namely in light of the unprecedented, on-going economic growth and development. Moreover, the survey outputs have shed the light on the emirate's economic establishments' adoption of the research and development project.

In this respect, the Statistics Centre has carried out this survey based upon the latest versions of the international classifications and methodologies used for such surveys.

In fact, measuring research and development is considered as important for no less than three major reasons, being the following:

- Identifying the volume of research and development inputs (personnel and expenditures) and their concentration in various scientific fields, industries, and sectors, among other classifications pertaining to the Emirate of Abu Dhabi;
- Measurement of research and development by SCAD is an indirect reason for bringing the Government closer to the other active parties in the arena of innovation, especially within the business sector; and
- Measurement of research and development encourages the organizations encompassed by the study to improve their research and development management.

Objectives

- Identifying the mechanism that would enable the Emirate of Abu Dhabi to improve its knowledge base, competitiveness and innovation capacity;
- Providing the data necessary to support economic decision an policy-making in the Emirate of Abu Dhabi and measuring the performance of such policies; and
- Founding a main database for the measurement of the progress made towards achieving Abu Dhabi Government's Agenda and Abu Dhabi Vision 2030.

Targeted Population and Sampling Frame

The population targeted by the annual research and development survey encompasses all the establishments operating in the Emirate of Abu Dhabi, employing no less than 50 employees, and registered under the Centre's establishments frame.

Establishments Excluded from the Targeted Population

Establishments operating in terms of the economic activities listed below are to be excluded from the targeted population:

- Section O – "Public Administration and Defence; Compulsory Social Security";
- Section T – "Activities of households as employers; undifferentiated goods - and services-producing activities of households for own use";
- Section U – "Activities of extraterritorial organizations and bodies";

- Establishments that do not keep independent accounts and are headquartered in the Emirate of Abu Dhabi; and
- Education and Training Establishments.

Survey Coverage

The survey will encompass the three regions of the Emirate of Abu Dhabi: Abu Dhabi, Al Ain, and Al Dhafra. The sample will be selected from the targeted population as mentioned above in the “Targeted Population” section.

Survey Frame

The sample frame represents the database of all known establishments operating within the field of goods and services production in the Emirate of Abu Dhabi. In 2010, the frame was identified through the Frames Update Project executed by the Statistics Centre – Abu Dhabi. The frame was partially updated under the Economic Establishments Frames Update Project of 2020.

Sample Design

The expected sample design will be developed based upon the aforementioned assumptions and procedures, excluding the following economic activities:

- Section O – “Public Administration and Defence; Compulsory Social Security”;
- Section T – “Activities of households as employers; undifferentiated goods - and services-producing activities of households for own use”;
- Section U – “Activities of extraterritorial organizations and bodies”;
- Establishments that do not keep independent accounts and are headquartered in the Emirate of Abu Dhabi; and
- Education and Training Establishments.

Sample Size

A sample made up of 1,960 establishments each having a manpower strength of more than 50 employees was selected. The sample distribution by the main economic activities was as follows:

Economic Activity	Sample Size
Agriculture, Forestry, and Fishing	61
Construction	630
Financial Activities	72
Manufacturing	349
Information Technology and Communication	33
Services Activities	494
Transportation	130
Trade	191
Total	1960

Sample Selection

The sample was selected from a frame made up of establishments employing more than 50 employees.

Data Collection Methodology

The data collection phase forms the biggest part of the project, being the phase that involves visits to the establishments identified in the sample, given that they carried out any economic activity for no less than 6 months during survey year. Data are collected through distinct methods that ensure achieving high data quality and response rates. Hence, specialists determine the most suitable method as per the establishment's type, with the required data to be obtained upon sending a link for accessing the electronic questionnaire through the e-mail address listed in the database. During the first visit, the cover page data are completed through a phone interview, and the preferred data collection method for the establishment's remaining data is identified, and the establishment shall accordingly complete its data either through the electronic link or through completing the questionnaire available in Excel file format.

Data Collection Method

This survey follows the following data collection approaches:

- Internet: Collecting the establishments' data through an electronic questionnaire available on the Internet, accessed through a link sent to the establishment; and
- E-mail: Data collection through e-mail, by providing the establishments with the questionnaires, sent as an Excel file via e-mail.

Classifications and Guides

Categories and evidence used in terms of the survey include the following:

- Economic Activity: The International Standard Industrial Classification of All Economic Activities (ISIC 4);
- Statistical Survey Implementation Guide – Statistics Centre – Abu Dhabi;
- Statistical Data Editing Guide – Statistics Centre – Abu Dhabi; and
- Guide to Statistical Sampling– Statistics Centre – Abu Dhabi.

Data Editing

Upon receiving the questionnaire, the Field Enumerator shall check it and ensure the correctness of all the items entered therein, and liaise with the establishment concerned if needed. Then, the Senior Field Enumerator shall review and submit it to the Data Editor for final approval.



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