

ICT Access and Use by Businesses OECD database – Metadata

Country:

Israel

OECD latest update: September 2025

Source(s):

Organisation(s): Central Bureau of Statistics (CBS) Israel

Survey(s): Data have been provided by the CBS.

The original source is the following: Survey of Information and Communication technologies usage and Cyber Security in businesses 2020

Link:

Survey of Information and Communication Technologies (ICT) Uses and Cyber Protection in Business

<https://www.cbs.gov.il/en/mediarelease/pages/2021/survey-information-communication-technologies-ict-protection-business.aspx>

For a recent, complementary indicator on AI use in Israeli firms, see

<https://www.cbs.gov.il/en/CBSNewBrand/Pages/simsEx.aspx?url=https://boardsgenerator.cbs.gov.il/Pages/ESMSmetadata/Descriptions.aspx?pirsum=1&subject=75dccff4-4bf6-418d-b36f-5610c4e678c8&sims=&l=English&format=json&flat=false>

Note: The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities or third party. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

Methodological appendix to the survey of uses in information technology and communication and cyber protection in businesses 2020

(provided by CBS Israel)

Name of the survey: Survey of Information and Communication technologies usage and Cyber Security in businesses 2020.

The Survey includes all businesses in Israel in the private sector with at least 10 employees.

The surveys population includes 29,825 businesses, and the survey was conducted on a sample of about 2,500.

Survey Relevance

The purpose of the survey is to investigate the uses of a variety of information and communication technologies, cyber security, e-commerce and investments in information and communication technologies in businesses.

The estimates produced from the survey will be used to calculate indicators regarding the extent of digitization in Israel. These indices are intended to support smart and friendly promoted government policies which help to improve the economy and society as well as for the purposes of international comparisons.

Frequency

The survey was conducted from July 2020 to March 2021, and it estimates business activity in 2020. This is the first time the survey has been conducted in Israel, and is planned to be conducted once every few years.

Sample size

The survey was conducted among a sample of about 2,500 businesses.

Survey population

The framework population includes all businesses with at least 10 employees in all sectors of the economy - 29,825 businesses. The population does not include businesses in these industries: Agriculture, Finance, Diamonds, Public and local administration, Education, Health, Households and non-governmental organizations.

Sample structure

A simple random sample in layers by industry, multinationality and business size.

Estimation and weights

Each business was given weight by the stratum in which it was located.

Time Reference

The survey refers to activity in 2020. The date of publication is considerably far away from the reference period of the survey - about one year and ten months. This undesirable gap is due to delays at the beginning of the survey collection, partly as a result of the Covid-19 crisis.

The survey sample and its administrative data were produced in 2019 and the quantitative estimates in the survey were designed to reflect the state of the economy in that year. The Due to the Covid-19 crisis and its great impact on these estimates and the start of data collection it was decided to publish the estimates of the correct categorical variables for the collection time (2020).

Classification

Data are provided in ISIC rev.4

Survey data generation process

Response Rate

Out of the 2,500 businesses in the sample 2,020 responded, a response rate of 81%.

Sample frame

The sample frame is based on the business register that was built by CBS Israel in 2003. The register is updated every month or two.

The register contains, among other things: identification information and demographic and structural data of the business such as business name, period of activity, address, industry and quantitative data from the National Insurance Institute such as the number of monthly employee jobs reported by the employer.

The sample frame includes active businesses in which more than 10 people are employed from the business register, in the industries listed in the table below:

Sample Deviations	Publication Groups		
	Division Groups	Sector	Technological Intensity
9-6	9-6	B	Non-information intensive services
12-10	12-10	C	Industrial low technology
15-13	15-13	C	Industrial low technology
18-16	18-16	C	Industrial low technology
19	23-22 ,20-19	C	Industrial medium-low technology
20	23-22 ,20-19	C	Industrial medium-High technology
21	21	C	Industrial high technology
23-22	23-22 ,20-19	C	Industrial medium-low technology
24-25 (not including 252)	25-24	C	Industrial medium-low technology
252	25-24	C	Industrial medium-High technology
26	26	C	Industrial high technology
27-30 (not including 3030)	30-27	C	Industrial medium-High technology
3030	30-27	C	Industrial high technology
32-31	33-31	C	Industrial low technology
33	33-31	C	Industrial medium-low technology
39-35	39-35	E, D	Non-information intensive services
43-41	43-41	F	Non-information intensive services
45-46 (not including 4651, 4652)	47-45	G	Non-information intensive services
47	47-45	G	Non-information intensive services
4652 ,4651	47-45	G	Non-information intensive services
53-49	53-49	H	Non-information intensive services
56-55	56-55	I	Non-information intensive services
58-60, 63 (not including 631)	63-58	J	Non-information intensive services
61	63-58	J	Information intensive services
631 ,62	63-58	J	Information intensive services
74-73 ,71-69	74-69	M	Non-information intensive services
72	74-69	M	Information intensive services
952 ,68 ,82-77	95 ,82-77 ,68	L, N	Non-information intensive services
951	95 ,82-77 ,68	L, N	Non-information intensive services

The sectors not included in the survey are the following:

- Agriculture, forestry and fishing (Sector A)
- Working of diamonds (Division 34)
- Financial and insurance activities (Sector K)
- Local administration, public administration and defence; compulsory social security (Sector O)
- Education (Sector P)
- Human health and social work activities (Sector Q)
- Arts, entertainment and recreation (Sector R)
- Activities of membership organizations and Other personal service activities (Divisions 94, 96)
- Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use (Sector T)
- Activities of extraterritorial organizations and bodies (Sector U)