STATISTICS DENMARK

Documentation of statistics for
Cost Indices for Refuse Collection and Slurry Pump 2017
Quarter 1

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1 Introduction

The purpose of the indices is to show trends in prices for refuse collection and slurry pump. The indices are made at the request of Dansk Transport og Logistik (Danish Haulage and Logistic). Statistics Denmark started publishing cost indices for refuse collection and slurry pump for the period March 1997 to March 2000.

2 Statistical presentation

The indices show trends in prices for refuse collection and slurry pump.

2015 is the base year, i.e. 2015 =100.

2.1 Data description

The purpose of the indices is to show trends in prices for refuse collection and slurry pump. The indices are made at the request of Dansk Transport og Logistik (The Danish Transport and Logistics Association) and Dansk Industri (Confederation of Danish Industry). Statistics Denmark started publishing cost indices for refuse collection and slurry pump for the period March 1997 to March 2000 in News from statistics Denmark no. 272 on June 30th. 2000. Cost indices for refuse collection and slurry pump are primarily used in regulating of contracts.

2.2 Classification system

Not relevant for these statistics.

2.3 Sector coverage

- Municipalities
- Renovation companies

2.4 Statistical concepts and definitions

Refuse collection: Refuse collection includes all refuse that stems from consumption by households and the like, institutions, cafeterias etc. Households' compost is not included.

Labor costs: Labor costs of drivers are calculated on the basis of the convention salary agreed upon by the Danish union for workers in transport and logistics and 3F (United Fedration of Danish Workers

Weighting scheme: The weighting scheme for the indices has been updated as of 1st quarter of 2016. Thus, the weight base year i 2015. The updated weights have been set up in cooperation with the Danish Transport and Logistics Association and the Confederation of Danish Industry. Association, who also finances the compilation. The calculations include costs of labor, social contributions, repairs and maintenance, fuel, tires, administration, insurance and capital costs.

2.5 Statistical unit

Indices

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2.6 Statistical population

The indices are representative for the refuse collection and slurry pump works performed in Denmark

2.7 Reference area

Denmark.

2.8 Time coverage

1997-

2.9 Base period

2015 =100

2.10 Unit of measure

Indices.

2.11 Reference period

Construction cost indices for refuse collection and slurry pump are compiled quarterly at the end of March, June, September and December.

2.12 Frequency of dissemination

Quarterly.

2.13 Legal acts and other agreements

Data are collected in accordance with the Act on Statistics Denmark §8 stk. 1 .

2.14 Cost and burden

There is no direct response burden since data are collected by others.

2.15 Comment

Further information on the cost index for refuse collection and slurry pump is available at http://www.dst.dk/Cost indices.

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3 Statistical processing

The Cost index for refuse collection and slurry pump includes costs of labor, repairs and maintenance, fuel, tires, administration, insurance and capital costs. These are weighed together to form the total indices. The weights reflect the cost shares of the total costs of performing refuse collection and slurry pump.

3.1 Source data

Labour costs relate to wage rates fixed by collective agreements between the Haulage and Logistic' Association and the United Federaqtion of Danish Workers (previously the Danish Specialized Workers' Union). The indices are primary calculated on the basis of information from the price index for domestic supply, consumer price index and the index of net retail prices from Statistics Denmark.

3.2 Frequency of data collection

Quarterly.

3.3 Data collection

For Cost index for refuse collection and slurry pump already existing data is used. Furthermore, some prices are collected from the internet.

3.4 Data validation

Basic data is validated before use in Cost index for refuse collection an slurry pump.

3.5 Data compilation

The Cost index for refuse collection and slurry pump includes costs of labor, repairs and maintenance, fuel, tires, administration, insurance and capital costs. These are weighed together to form the total indices. The weights reflect the cost shares of the total costs of performing refuse collection and slurry pump.

3.6 Adjustment

No corrections are made besides from what has already been described under data validation and data treatment.

4 Relevance

The purpose of the indices is to reflect the development in the costs of refuse collection and slurry pump.

4.1 User Needs

Cost indices for refuse collection and slurry pump are primarily used in regulating of contracts.

4.2 User Satisfaction

No information on user satisfaction is collected. However, the users have expressed some dissatisfaction with the weights. The consider it outdated. Statistics Denmark has listened and the weights will be updated by the calculation of 1st quarter of 2016.

4.3 Data completeness rate

Not relevant for these statistics.

5 Accuracy and reliability

The weighting for the new indices is established in cooperation with Dansk Transport og Logistik (the Danish Transport and Logistics Association) and Dansk Industri (Confederation of Danish Industry), who also fund the indices. Thus the indices are deemed representative for the waste collection and slurry pump works performed in Denmark.

Changes in the salary agreements often take effect from the month of March. The new agreements, however, are often not publicly available until the second quarter. Thus, they are not included until the calculation of the second quarter. This might produce a slight discrepancy between when the agreement actually take effect and when this effect shows up in the development of the indices.

Figures on statistical errors are not available.

5.1 Overall accuracy

Figures on the statistical reliability are not estimated.

5.2 Sampling error

Not relevant for these statistics.

5.3 Non-sampling error

Response errors. Errors may occur when an enterprise report prices for other commodities than expected. The reason for this is normally misunderstandings e.g. change in staff.

Recording errors. Errors may occur when questionnaires are recorded in Statistics Denmark. Our error checking procedures normally spot such errors. Recording errors are not regarded to be important.

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5.4 Quality management

Statistics Denmark follows the recommendations on organisation and management of quality given in the Code of Practice for European Statistics (CoP) and the implementation guidelines given in the Quality Assurance Framework of the European Statistical System (QAF). A Working Group on Quality and a central quality assurance function have been established to continuously carry through control of products and processes.

5.5 Quality assurance

Statistics Denmark follows the principles in the Code of Practice for European Statistics (CoP) and uses the Quality Assurance Framework of the European Statistical System (QAF) for the implementation of the principles. This involves continuous decentralized and central control of products and processes based on documentation following international standards. The central quality assurance function reports to the Working Group on Quality. Reports include suggestions for improvement that are assessed, decided and subsequently implemented.

5.6 Quality assessment

Overall the Cost index for refuse collection and slurry pump is assessed to be of good quality.

5.7 Data revision - policy

Statistics Denmark revises published figures in accordance with the Revision Policy for Statistics Denmark. The common procedures and principles of the Revision Policy are for some statistics supplemented by a specific revision practice.

5.8 Data revision practice

Only final figures are compiled.

6 Timeliness and punctuality

- The statistics are published quarterly at the beginning of February, May, August and November.
- The statistics are usually published without delay in relation to the scheduled date.
- The statistics are published compiled quarterly at the end of March, June, September and December.

6.1 Timeliness and time lag - final results

The statistics are published quarterly at the beginning of February, May, August and November.

6.2 Punctuality

The statistics are usually published without delay in relation to the scheduled date.

7 Comparability

The indices are comparable over time from 1997 until today. There are no international statistics which are directly comparable to the Danish indices.

7.1 Comparability - geographical

There are no international statistics which are directly comparable to the Danish indices. Some agencies publish revenue statistics for waste collection and slurry pump, e.g. in Norway (Vassforsyning, avløps- og renovasjonsverksemd, omsætning).

7.2 Comparability over time

Statistics Denmark started publishing cost indices for refuse collection and slurry pump for the period March 1997 to March 2000 in News from statistics Denmark no. 272 on June 30th. 2000. The indices have had a new weighting scheme as of the calculation of the 1th quarter of 2016, however they are comparable over time from 1997 until today.

7.3 Coherence - cross domain

No other comparable statistics are available.

7.4 Coherence - internal

Not relevant for these statistics.

8 Accessibility and clarity

- *News from Statistics Denmark*: Nyt fra Danmarks Statistik
- *Statbank Denmark*: BYG91-Cost index for refuse colection and slurry pump
- *Prices and consumption*: Cost indices

8.1 Release calendar

The publication date appears in the release calendar. The date is confirmed in the weeks before.

8.2 Release calendar access

The Release Calender can be accessed on our English website: Release Calender.

8.3 User access

Statistics are always published at 9:00 a.m. at the day announced in the release calendar. No one outside of Statistics Denmark can access the statistics before they are published. Theme publications etc. may be published at other times of the day. The National Statistician can decide that such publications may be released before their official publication time, e.g. to the media and other stakeholders.

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8.4 News release

Published indices are available at:

- *Statbank Denmark*: BYG91-Cost index for refuse colection and slurry pump
- *Prices and consumption*: Cost indices

8.5 Publications

Prices and consumption: Cost indices.

8.6 On-line database

The statistics are published in the StatBank under the subject Cost index for refuse colection and slurry pump in the following tables:

- BYG91: Cost indices for refuse collection and slurry pump by index type, unit and time

8.7 Micro-data access

The primary data are stored in registers. Special processing and linkages of the data are not possible.

8.8 Other

Not relevant for these statistics.

8.9 Confidentiality - policy

Not relevant for these statistics.

8.10 Confidentiality - data treatment

All statistics in Statistics Denmark follow the data confidentiality protocol of Statistics Denmark. For the Cost index for refuse collection and slurry pump only aggregated indices are published, thus discretion does not apply to this statistic.

8.11 Documentation on methodology

A further description of the methods is only available in Danish at: Indeksberegninger.

8.12 Quality documentation

Results from the quality evaluation of products and selected processes are available in detail for each statistics and in summary reports for the Working Group on Quality.

9 Contact

The administrative placement of this statistic is in the division of Prices and Consumption. The person responsible is Sigrid Krogstrup Jensen, tel. +45 39 17 34 56, e-mail: sij@dst.dk

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Statistics Denmark

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