

Data Set Information Sheet: National Child Oral Health Improvement Programs for Chile

This “ReadMe.pdf” file was generated on 26/07/2022

General information

Title of the dataset

National Child Oral Health Improvement Programs for Chile

Author’s information

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Date of data collection

The data was collected between March 2019 and February 2020.

Data sources

(i) National Public Health Found Insurance (FONASA) for the beneficiary population of the public health system datasets, (ii) Superintendence of Sanitary Services of the Ministry of Public Infrastructure of Chile for Fluoride Concentration and Coverage from the National Drinking Water datasets, (iii) National Institute of Statistics of Chile (INE) for Multidimensional Poverty Index produced with the information collected from the Chilean National Socioeconomic Characterization Survey and population projections data from the National Census, and (iv) the Public Health Department of the University of Chile for Socioeconomic Development Index. (v) Department of Health Statistics and Information of the Government of Chile for electronic oral health data.

License/restrictions placed on the data

All data included in this dataset has a Creative Commons license.

Data from Chilean Observatory of Public Health, School of Public Health, Faculty of Medicine, University of Chile is licensed under CC BY NC ND 4.0: <https://creativecommons.org/licenses/by-nc-nd/4.0/>

No alterations or transformations were made to the original source.

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Data from Superintendence of Sanitary Services of the Ministry of Public Infrastructure of Chile is under CC BY 2.0 CL: <https://creativecommons.org/licenses/by/2.0/cl/>

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Data from Department of Health Statistics and Information of the Ministry of Health of Chile is under CC BY 2.0 CL: <https://creativecommons.org/licenses/by/2.0/cl/>

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Detail of the dataset

The dataset is in “.csv” format which could be opened using Microsoft Excel and further processed using any statistical software or package.

Data dictionary

DATASET NAME	National Child Oral Health Improvement Programs for Chile		
FILE NAME	DATASET.csv		
FILE TYPE	.csv		
DESCRIPTION	The dataset consists of aggregated electronic dental healthcare routine data from all the 346 Chilean Municipalities from the year 2008 to 2019, constructed with the ‘municipality/year’ unit of analysis, including dental examinations of children aged 0 to 6 years old and primary care and child oral health programmes activities and interventions linked to non-health data including population, community water fluoridation levels and coverage and area-based deprivation indexes.		
LEVEL	National, regional and municipality.		
ROWS	4152		
VARIABLES	186		
UNIT OF ANALYSIS	Municipality/Year		
VARIABLE NAME	DESCRIPTION	TYPE	Time range and (observations)
MUNID	Municipality ID code (Unique Territorial Code)	Categorical	2008-2019 (346 municipalities)
YEAR	Calendar year	Numeric	2008-2019
REGION	Code assigned to each region of Chile (Unique Territorial Code)	Categorical	2008-2019 (16 regions)
MUNNAME	Name of each municipality	Categorical	2008-2019
AGE0CENPOP	Total age 0 children population according to Census data	Numeric	2008-2019

AGE1CENPOP	Total age 1 children population according to Census data	Numeric	2008-2019
AGE2CENPOP	Total age 2 children population according to Census data	Numeric	2008-2019
AGE3CENPOP	Total age 3 children population according to Census data	Numeric	2008-2019
AGE4CENPOP	Total age 4 children population according to Census data	Numeric	2008-2019
AGE5CENPOP	Total age 5 children population according to Census data	Numeric	2008-2019
AGE6CENPOP	Total age 6 children population according to Census data	Numeric	2008-2019
AGE0FONPOP	Total age 0 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE1FONPOP	Total age 1 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE2FONPOP	Total age 2 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE3FONPOP	Total age 3 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE4FONPOP	Total age 4 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE5FONPOP	Total age 5 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
AGE6FONPOP	Total age 6 children population beneficiary of FONASA (public health system)	Numeric	2010-2018
IDSEDCL	Decile of each municipality according to the socioeconomic development index	Ordinal	2008-2019 (the decile is the same for all years to each municipality)
IDSERNK	Ranking of each municipality according to the socioeconomic development index	Ordinal	2008-2019 (the ranking is the same for all years to each municipality)
IDSE	Socioeconomic development index score of each municipality	Numeric	2008-2019 (the score is the same for all years to each municipality)
MPI	Multidimensional Poverty index score for each municipality	Numeric	2008-2019
FCOV	Percentage of coverage of the drinking water program in houses of each municipality	Numeric	2008-2019 (%)
FCON	Annual fluoride concentration of each municipality	Numeric	2008-2019 (mg / L)

AGE0DMFT00	Total age 0 children with dmft = 0	Numeric	2017-2019
AGE1DMFT00	Total age 1 children with dmft = 0	Numeric	2017-2019
AGE2DMFT00	Total age 2 children with dmft = 0	Numeric	2008-2019
AGE3DMFT00	Total age 3 children with dmft = 0	Numeric	2012-2019
AGE4DMFT00	Total age 4 children with dmft = 0	Numeric	2008-2019
AGE5DMFT00	Total age 5 children with dmft = 0	Numeric	2012-2019
AGE6DMFT00	Total age 6 children with dmft = 0	Numeric	2008-2019
AGE0DMFT01	Total age 0 children with dmft = 1	Numeric	2017-2019
AGE1DMFT01	Total age 1 children with dmft = 1	Numeric	2017-2019
AGE2DMFT01	Total age 2 children with dmft = 1	Numeric	2014-2019
AGE3DMFT01	Total age 3 children with dmft = 1	Numeric	2014-2019
AGE4DMFT01	Total age 4 children with dmft = 1	Numeric	2014-2019
AGE5DMFT01	Total age 5 children with dmft = 1	Numeric	2014-2019
AGE6DMFT01	Total age 6 children with dmft = 1	Numeric	2014-2019
AGE0DMFT02	Total age 0 children with dmft = 2	Numeric	2017-2019
AGE1DMFT02	Total age 1 children with dmft = 2	Numeric	2017-2019
AGE2DMFT02	Total age 2 children with dmft = 2	Numeric	2014-2019
AGE3DMFT02	Total age 3 children with dmft = 2	Numeric	2014-2019
AGE4DMFT02	Total age 4 children with dmft = 2	Numeric	2014-2019

AGE5DMFT02	Total age 5 children with dmft = 2	Numeric	2014-2019
AGE6DMFT02	Total age 6 children with dmft = 2	Numeric	2014-2019
AGE0DMFT03	Total age 0 children with dmft = 3	Numeric	2017-2019
AGE1DMFT03	Total age 1 children with dmft = 3	Numeric	2017-2019
AGE2DMFT03	Total age 2 children with dmft = 3	Numeric	2014-2019
AGE3DMFT03	Total age 3 children with dmft = 3	Numeric	2014-2019
AGE4DMFT03	Total age 4 children with dmft = 3	Numeric	2014-2019
AGE5DMFT03	Total age 5 children with dmft = 3	Numeric	2014-2019
AGE6DMFT03	Total age 6 children with dmft = 3	Numeric	2014-2019
AGE0DMFT04	Total age 0 children with dmft = 4	Numeric	2017-2019
AGE1DMFT04	Total age 1 children with dmft = 4	Numeric	2017-2019
AGE2DMFT04	Total age 2 children with dmft = 4	Numeric	2014-2019
AGE3DMFT04	Total age 3 children with dmft = 4	Numeric	2014-2019
AGE4DMFT04	Total age 4 children with dmft = 4	Numeric	2014-2019
AGE5DMFT04	Total age 5 children with dmft = 4	Numeric	2014-2019
AGE6DMFT04	Total age 6 children with dmft = 4	Numeric	2014-2019
AGE0DMFT05	Total age 0 children with dmft greater or equal to 5	Numeric	2017-2019
AGE1DMFT05	Total age 1 children with dmft greater or equal to 5	Numeric	2017-2019
AGE2DMFT05	Total age 2 children with dmft greater or equal to 5	Numeric	2008-2019

AGE3DMFT05	Total age 3 children with dmft greater or equal to 5	Numeric	2012-2019
AGE4DMFT05	Total age 4 children with dmft greater or equal to 5	Numeric	2008-2019
AGE5DMFT05	Total age 5 children with dmft greater or equal to 5	Numeric	2012-2019
AGE6DMFT05	Total age 6 children with dmft greater or equal to 5	Numeric	2008-2019
AGE2DMFT12	Total age 2 children with dmft = 1 or 2	Numeric	2008-2013
AGE3DMFT12	Total age 3 children with dmft = 1 or 2	Numeric	2012-2013
AGE4DMFT12	Total age 4 children with dmft = 1 or 2	Numeric	2008-2013
AGE5DMFT12	Total age 5 children with dmft = 1 or 2	Numeric	2012-2013
AGE6DMFT12	Total age 6 children with dmft = 1 or 2	Numeric	2008-2013
AGE2DMFT34	Total age 2 children with dmft = 3 or 4	Numeric	2008-2013
AGE3DMFT34	Total age 3 children with dmft = 3 or 4	Numeric	2012-2013
AGE4DMFT34	Total age 4 children with dmft = 3 or 4	Numeric	2008-2013
AGE5DMFT34	Total age 5 children with dmft = 3 or 4	Numeric	2012-2013
AGE6DMFT34	Total age 6 children with dmft = 3 or 4	Numeric	2008-2013
AGE0AMAL	Total number of amalgam restorations delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1AMAL	Total number of amalgam restorations delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2AMAL	Total number of amalgam restorations delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3AMAL	Total number of amalgam restorations delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4AMAL	Total number of amalgam restorations delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019

AGE5AMAL	Total number of amalgam restorations delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6AMAL	Total number of amalgam restorations delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0BRUSH	Total number of individual educations in brushing technique delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1BRUSH	Total number of individual educations in brushing technique delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2BRUSH	Total number of individual educations in brushing technique delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3BRUSH	Total number of individual educations in brushing technique delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4BRUSH	Total number of individual educations in brushing technique delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5BRUSH	Total number of individual educations in brushing technique delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6BRUSH	Total number of individual educations in brushing technique delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0EXO	Total number of dental extractions delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1EXO	Total number of dental extractions delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2EXO	Total number of dental extractions delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3EXO	Total number of dental extractions delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4EXO	Total number of dental extractions delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5EXO	Total number of dental extractions delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6EXO	Total number of dental extractions delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0FLUO	Total number of fluoride varnish applications delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019

AGE1FLUO	Total number of fluoride varnish applications delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2FLUO	Total number of fluoride varnish applications delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3FLUO	Total number of fluoride varnish applications delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4FLUO	Total number of fluoride varnish applications delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5FLUO	Total number of fluoride varnish applications delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6FLUO	Total number of fluoride varnish applications delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0GROU	Total number of group educations in brushing technique delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1GROU	Total number of group educations in brushing technique delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2GROU	Total number of group educations in brushing technique delivered to age 2 children in public clinics and hospitals	Numeric	2011-2019
AGE3GROU	Total number of group educations in brushing technique delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4GROU	Total number of group educations in brushing technique delivered to age 4 children in public clinics and hospitals	Numeric	2011-2019
AGE5GROU	Total number of group educations in brushing technique delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6GROU	Total number of group educations in brushing technique delivered to age 6 children in public clinics and hospitals	Numeric	2011-2019
AGE0IONO	Total number of glass ionomer restorations performed in age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1IONO	Total number of glass ionomer restorations performed in age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2IONO	Total number of glass ionomer restorations delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019

AGE3IONO	Total number of glass ionomer restorations performed in age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4IONO	Total number of glass ionomer restorations performed in age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5IONO	Total number of glass ionomer restorations performed in age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6IONO	Total number of glass ionomer restorations performed in age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0POLI	Total number of coronary polishes delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1POLI	Total number of coronary polishes delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2POLI	Total number of coronary polishes delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3POLI	Total number of coronary polishes delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4POLI	Total number of coronary polishes delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5POLI	Total number of coronary polishes delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6POLI	Total number of coronary polishes delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0PULP	Total number of pulpotomies carried out on age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1PULP	Total number of pulpotomies carried out on age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2PULP	Total number of pulpotomies carried out on age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3PULP	Total number of pulpotomies carried out on age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4PULP	Total number of pulpotomies carried out on age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5PULP	Total number of pulpotomies carried out on age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6PULP	Total number of pulpotomies carried out on age 6 children in public clinics and hospitals	Numeric	2008-2019

AGE0RESI	Total number of composite resin restorations delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1RESI	Total number of composite resin restorations delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2RESI	Total number of composite resin restorations delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3RESI	Total number of composite resin restorations delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4RESI	Total number of composite resin restorations delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5RESI	Total number of composite resin restorations delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6RESI	Total number of composite resin restorations delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE0SEAL	Total number of pits and fissure sealants delivered to age 0 children in public clinics and hospitals	Numeric	2017-2019
AGE1SEAL	Total number of pits and fissure sealants delivered to age 1 children in public clinics and hospitals	Numeric	2017-2019
AGE2SEAL	Total number of pits and fissure sealants delivered to age 2 children in public clinics and hospitals	Numeric	2008-2019
AGE3SEAL	Total number of pits and fissure sealants delivered to age 3 children in public clinics and hospitals	Numeric	2012-2019
AGE4SEAL	Total number of pits and fissure sealants delivered to age 4 children in public clinics and hospitals	Numeric	2008-2019
AGE5SEAL	Total number of pits and fissure sealants delivered to age 5 children in public clinics and hospitals	Numeric	2012-2019
AGE6SEAL	Total number of pits and fissure sealants delivered to age 6 children in public clinics and hospitals	Numeric	2008-2019
AGE2KITS	Total number of dental hygiene kits (4 soft toothbrushes and 1 1,000 ppm fluoride paste) delivered by the Sembrando Sonrisas programme to children age 2	Numeric	2015-2019
AGE3KITS	Total number of dental hygiene kits (4 soft toothbrushes and 1 1,000 ppm fluoride paste) delivered by the Sembrando Sonrisas programme to children age 3	Numeric	2015-2019
AGE4KITS	Total number of dental hygiene kits (4 soft toothbrushes and 1 1,000 ppm fluoride paste)	Numeric	2015-2019

	delivered by the Sembrando Sonrisas programme to children age 4		
AGE5KITS	Total number of dental hygiene kits (4 soft toothbrushes and 1 1,000 ppm fluoride paste) delivered by the Sembrando Sonrisas programme to children age 5	Numeric	2015-2019
AGE2SSDM	Total children aged 2 with a dental examination for Sembrando Sonrisas programme in nurseries and schools	Numeric	2015-2019
AGE3SSDM	Total children aged 3 with a dental examination for Sembrando Sonrisas programme in nurseries and schools	Numeric	2015-2019
AGE4SSDM	Total children aged 4 with a dental examination for Sembrando Sonrisas programme in nurseries and schools	Numeric	2015-2019
AGE5SSDM	Total children aged 5 with a dental examination for Sembrando Sonrisas programme in nurseries and schools	Numeric	2015-2019
AGE2SSFL	Total number of fluoride varnish applications delivered to children aged 2 in the Sembrando Sonrisas programme	Numeric	2015-2019
AGE3SSFL	Total number of fluoride varnish applications delivered to children aged 3 in the Sembrando Sonrisas programme	Numeric	2015-2019
AGE4SSFL	Total number of fluoride varnish applications delivered to children aged 4 in the Sembrando Sonrisas programme	Numeric	2015-2019
AGE5SSFL	Total number of fluoride varnish applications delivered to children aged 5 in the Sembrando Sonrisas programme	Numeric	2015-2019
AGE0EGRESS	Total number of children aged 0 discharged from the CERO programme	Numeric	2017-2019
AGE1EGRESS	Total number of children aged 1 discharged from the CERO programme	Numeric	2017-2019
AGE2EGRESS	Total number of children aged 2 discharged from the CERO programme	Numeric	2017-2019
AGE3EGRESS	Total number of children aged 3 discharged from the CERO programme	Numeric	2017-2019
AGE4EGRESS	Total number of children aged 4 discharged from the CERO programme	Numeric	2017-2019
AGE5EGRESS	Total number of children aged 5 discharged from the CERO programme	Numeric	2017-2019
AGE6EGRESS	Total number of children aged 6 discharged from the CERO programme	Numeric	2017-2019

AGE0HIGHRI	Total number of children aged 0 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE1HIGHRI	Total number of children aged 1 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE2HIGHRI	Total number of children aged 2 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE3HIGHRI	Total number of children aged 3 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE4HIGHRI	Total number of children aged 4 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE5HIGHRI	Total number of children aged 5 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE6HIGHRI	Total number of children aged 6 diagnosed with a high risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE0LOWRIK	Total number of children aged 0 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE1LOWRIK	Total number of children aged 1 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE2LOWRIK	Total number of children aged 2 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE3LOWRIK	Total number of children aged 3 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE4LOWRIK	Total number of children aged 4 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE5LOWRIK	Total number of children aged 5 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE6LOWRIK	Total number of children aged 6 diagnosed with a low risk of caries according to the survey applied by a dentist for the CERO programme	Numeric	2017-2019
AGE0NEWREG	Total number of children aged 0 enrolled in the CERO programme	Numeric	2017-2019
AGE1NEWREG	Total number of children aged 1 enrolled in the CERO programme	Numeric	2017-2019
AGE2NEWREG	Total number of children aged 2 enrolled in the CERO programme	Numeric	2017-2019

AGE3NEWREG	Total number of children aged 3 enrolled in the CERO programme	Numeric	2017-2019
AGE4NEWREG	Total number of children aged 4 enrolled in the CERO programme	Numeric	2017-2019
AGE5NEWREG	Total number of children aged 5 enrolled in the CERO programme	Numeric	2017-2019
AGE6NEWREG	Total number of children aged 6 enrolled in the CERO programme	Numeric	2017-2019