

# - Cross-sectional study on nursery schools: individual social characteristics, residential context and prevalence of weight problems in early childhood

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| General                                                                                                                  |                                                                                                                                                       |
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| Identification                                                                                                           |                                                                                                                                                       |
| Detailed name                                                                                                            | Cross-sectional study on nursery schools: individual social characteristics, residential context and prevalence of weight problems in early childhood |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | CNIL                                                                                                                                                  |
| General Aspects                                                                                                          |                                                                                                                                                       |
| Medical area                                                                                                             | General practice                                                                                                                                      |
| Pathology (details)                                                                                                      | Overweight, Obesity                                                                                                                                   |
| Health determinants                                                                                                      | Geography<br>Lifestyle and behavior<br>Social and psychosocial factors                                                                                |
| Keywords                                                                                                                 | Early childhood, Overweight, Obesity, Socioeconomic status, Residential context, Multi-level regression, Prevalence                                   |
| Scientific investigator(s) (Contact)                                                                                     |                                                                                                                                                       |
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| Unit                                                                                                                     | Unité 379                                                                                                                                             |
| Organization                                                                                                             | Observatoire régional de la santé, Provence-Alpes-                                                                                                    |

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| Unit                                              | UMR912-SE4S                                                                                                                                                                                                                    |
| Organization                                      | ORS PACA                                                                                                                                                                                                                       |
| Collaborations                                    |                                                                                                                                                                                                                                |
| Participation in projects, networks and consortia | Yes                                                                                                                                                                                                                            |
| Details                                           | This study was carried out in collaboration with maternal and infant protection (PMI) and the EVALMATER group within the framework of the regional Provence-Alpes-Côte d'Azur "Young people's and children's health" programme |
| Funding                                           |                                                                                                                                                                                                                                |
| Funding status                                    | Public                                                                                                                                                                                                                         |
| Details                                           | PACA regional council, PACA Regional Directorate for Health and Social Affairs, Health Insurance under the National Fund for Health Prevention, Education and Information (FNPEIS)                                             |
| Governance of the database                        |                                                                                                                                                                                                                                |
| Sponsor(s) or organisation(s) responsible         | Observatoire régional de la santé, Provence-Alpes-Côte d'Azur (ORS PACA)                                                                                                                                                       |
| Organisation status                               | Public                                                                                                                                                                                                                         |
| Additional contact                                |                                                                                                                                                                                                                                |
| Main features                                     |                                                                                                                                                                                                                                |
| Type of database                                  |                                                                                                                                                                                                                                |
| Type of database                                  | Study databases                                                                                                                                                                                                                |
| Study databases (details)                         | Not-repeated cross-sectional studies (except case control studies)                                                                                                                                                             |

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|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database recruitment is carried out by an intermediary                 | A population file                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Database recruitment is carried out as part of an interventional study | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Additional information regarding sample selection.                     | Of the 1,894 public and private nursery schools in the region, 112 were selected by a stratified random draw on the number of children enrolled in the first and second year of nursery school per school and the type of area (priority education zone [ZEP], rural area outside ZEP, urban area outside ZEP, peri-urban area outside ZEP), according to classifications of academic inspections (1999) and the National Institute of Statistics and Economic Studies (INSEE) (2001). The sampling frame was made up of files transmitted by the departments of the academies of Aix-Marseille and Nice |
| Database objective                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Main objective                                                         | <p>The objectives are:</p> <ul style="list-style-type: none"> <li>?to analyse the association between the prevalence and social characteristics at an individual level;</li> <li>?to study, independently of the individual characteristics, the links between the prevalence and the residential context approached by the municipalities. For the latter, two variables are distinguished, one linked to the level of precariousness, the other to the type of locality, urban, peri-urban or rural.</li> </ul>                                                                                        |
| Inclusion criteria                                                     | Children aged 3.5 to 4.5 enrolled in the first and second year of nursery school in the PACA region in 2002-2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Population type                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Age                                                                    | Early childhood (2 to 5 years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Population covered                                                     | General population                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathology                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gender                                                                 | Male<br>Woman                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Geography area                                                         | Regional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| French regions covered by the database                                 | Provence - Alpes - Côte d'Azur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Detail of the geography area      Provence-Alpes-Côte d'Azur (PACA)

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)      2002

Date of last collection (YYYY or MM/YYYY)      2003

### Size of the database

Size of the database (number of individuals)      [1000-10 000[ individuals

Details of the number of individuals      2495

### Data

Database activity      Data collection completed

Type of data collected      Clinical data  
Declarative data  
Administrative data

Clinical data (detail)      Medical registration

Details of collected clinical data      Height, weight

Details of collected declarative data      Occupations of father and mother, type of social coverage, single-parent or non-single-parent family, number of children in the household, main language used at home and child-care method used before nursery school

Administrative data (detail)      Precariousness index and type of locality

Presence of a biobank      No

Health parameters studied      Health event/morbidity

### Procedures

Data collection method      The physicians and nurses of the maternal and infant protection (PMI) departments used a new tool, the EVALMATER assessment, developed to standardise the health check of PMI in the first and second years of nursery school over the whole PACA region

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|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Participant monitoring                                                                | No                                                                                                    |
| Followed pathology                                                                    |                                                                                                       |
| Links to administrative sources                                                       | No                                                                                                    |
| Promotion and access                                                                  |                                                                                                       |
| Promotion                                                                             |                                                                                                       |
| Link to the document                                                                  | <a href="http://www.ncbi.nlm.nih.gov/pubmed/17881174">http://www.ncbi.nlm.nih.gov/pubmed/17881174</a> |
| Access                                                                                |                                                                                                       |
| Terms of data access (charter for data provision, format of data, availability delay) | Contact the scientist in charge                                                                       |
| Access to aggregated data                                                             | Access on specific project only                                                                       |
| Access to individual data                                                             | Access on specific project only                                                                       |