



## **TEACHER'S QUESTIONNAIRE**

| Country code | Preschool number | Class number | Code number |
|--------------|------------------|--------------|-------------|
|              |                  |              |             |

## Today's date

 Day
 Month
 Year

<sup>1.</sup> Manios Y, Androutsos O, Katsarou C et al. Designing and implementing a kindergarten-based, family-involved intervention to prevent obesity in early childhood. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:5-13. doi: 10.1111/obr.12175.

<sup>2.</sup> Mouratidou T, Miguel ML, Androutsos O et al. Tools, harmonization and standardization procedures of the impact and outcome evaluation indices obtained during a kindergarten-based, family involved intervention to prevent obesity in early childhood. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:53-60. doi: 10.1111/obr.12183.



Dear Teacher,

Children in your class and their parents are participating in a large European study that investigates dietary and physical activity patterns of around 5000 children from Belgium, Bulgaria, Germany, Greece, Spain, and Poland. We very much hope that you are willing to fill in the questionnaire. Your participation is voluntary and your part in this component of the study will be completed once we receive the questionnaire back. All answers will be treated in strict confidence and in accordance with the regulations regarding data protection, and the information will only be used for research purposes. No one will be given access to your answers except for the researchers.

You do not need to put your name on the questionnaire. When you have answered the questionnaire put it in the envelope provided and hand it in yourself to the researcher. If you have any other queries or want further information please contact <name of contact person country specific> at <Institute name country specific> on <Phone number country specific> or visit the ToyBox website: <u>http://www.toybox-study.eu/</u> add country-specific ext

## Yours sincerely,

Name & Signature of Professor in charge of the ToyBox intervention in each country

## (?) How to complete the questionnaire (?)

- Please complete the questionnaire using a <u>blue or black pen</u>.
- Most of the questions can be answered by placing a clear **X** in the answer box. <u>Mark only one box</u> <u>per question</u> unless multiple answers can be given. This will be indicated next to the question.

### Please read the following statements and tick the boxes most appropriate to your situation:

|  | Strongly disagree | Disagree    | Neither agree nor<br>disagree | Agree     | Strongly<br>agree |
|--|-------------------|-------------|-------------------------------|-----------|-------------------|
| Doing activities in which the children sit<br>for more than 30 minutes is not good for<br>them           | $\Box_1$          | $\Box_2$    | <b>X</b> <sub>3</sub>         | $\Box_4$  | $\Box_5$          |
| I encourage the children to stand up<br>when they sit for a prolonged period of<br>time at the classroom |                   | $\square_2$ |                               | ${f X}_4$ | $\square_5$       |

If you wish to change an answer, leave the incorrect answer box marked ,X<sup>•</sup> and make the correct answer box completely black:

#### Please read the following statements and tick the boxes most appropriate to your situation:

|  | Strongly disagree | Disagree    | Neither agree nor disagree | Agree          | Strongly<br>agree |
|--|-------------------|-------------|----------------------------|----------------|-------------------|
| Doing activities in which the children sit<br>for more than 30 minutes is not good for<br>them           | $\Box_1$          | $\Box_2$    | <b>X</b> <sub>3</sub>      | $\Box_4$       | $\Box_5$          |
| I encourage the children to stand up<br>when they sit for a prolonged period of<br>time at the classroom | $\Box_1$          | $\square_2$ | $\square_3$                | $\mathbf{X}_4$ | $\square_5$       |

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## A. Drinking behaviour

The following part of the questionnaire aims to assess your drinking behaviour. It is important to remember that there are no right or wrong answers. Fill in what applies to you or your situation.

## When we say:

-Water: we mean tap water, mineral water, natural sparkling or still water

-Soft drinks: we mean all sugared or sweet-flavored beverages, carbonated or not, plain or light e.g. Cola and Cola light/zero, Ice Tea, 7-up, Pepsi, Fanta, Fanta non-carbonated, Sprite, Orangina etc

-Pre-packed juices: we mean all fruit juice-based products including 100% fresh juice bottled or in paper-pack, 30% fruit-juice with added sugared (nectar), sports drinks, smoothies, canned juices e.g. Life, Tropicana, Lemonade, Lucozade

# A1. How often do you think a child 4-6 years old should drink soft drinks or pre-packed juices? $\Box_1$ Never

- $\square_2$  On certain occasions e.g., birthdays
- $\square_3$  1 or less glasses per week
- $\square_4$  2-4 glasses per week
- □<sub>5</sub> 5-6 glasses per week
- $\square_6$  1-2 glasses per day
- $\square_7$  3-4 glasses per day
- $\square_8 5$  or more glasses per day
- $\Box_9$  I don't know

#### A2. How many glasses of water do you think a child 4-6 years old should drink daily?

- $\square_1$  None or scarce
- $\square_2 1$  glass per day
- $\square_3 2$  glasses per day
- $\square_4$  3 glasses per day
- $\Box_5 4$  glasses per day
- $\Box_6 5$  glasses per day
- $\Box_7 6$  glasses per day
- $\square_8$  7 glasses per day
- $\square_9 8$  or more glasses per day
- $\square_{10}$  I don't know

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| Inca       | se read the following statements and tick th   | Strongly | Disagr      | Neither agree         | Agree    | Strongly    |
|------------|--|----------|-------------|-----------------------|----------|-------------|
| A3.        | Drinking water is the best option for the  | disagree |             | nor disagree          |          | agree       |
|            | children   |          | <b>J</b> 2  | •                     | -4       | <b>4</b> 5  |
| A4.        | Drinking soft drinks or pre-packed juices<br>several times per week is healthy for the<br>children   | $\Box_1$ | $\square_2$ | $\square_3$           | $\Box_4$ | $\square_5$ |
| A5.        | It's not good for the children to drink soft<br>drinks or pre-packed juices every day  | $\Box_1$ | $\Box_2$    | $\square_3$           | $\Box_4$ | $\square_5$ |
| A6.        | Children should drink more water if it is<br>hot or if they are more physically active   | $\Box_1$ | $\Box_2$    | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A7.        | Drinking soft drinks or pre-packed juices<br>is equally good for the children to<br>drinking water   | $\Box_1$ | $\Box_2$    | $\Box_3$              | $\Box_4$ | $\Box_5$    |
| <b>A8.</b> | I offer soft drinks at the classroom   | $\Box_1$ | $\square_2$ | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A9.        | I offer pre-packed juices at the classroom   | $\Box_1$ | $\square_2$ | $\square_3$           | $\Box_4$ | $\square_5$ |
| A10.       | If I would like to drink soft drinks or pre-<br>packed juices in preschool/the classroom, I<br>would try to restrain myself because of the<br>presence of the children | $\Box_1$ | $\Box_2$    | $\Box_3$              | $\Box_4$ | $\Box_5$    |
| A11.       | I make water always available in the classroom   | $\Box_1$ | $\Box_2$    | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A12.       | I encourage the children to drink water<br>sufficiently at preschool   | $\Box_1$ | $\Box_2$    | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A13.       | I find it easy to encourage children to<br>drink water at preschool when they don't<br>feel thirsty  |          | $\Box_2$    | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A14.       | I find it easy to make water always available for the children   | $\Box_1$ | $\Box_2$    | $\square_3$           | $\Box_4$ | $\square_5$ |
| A15.       | It is a habit for me to drink water<br>sufficiently in preschool   |          | $\Box_2$    | $\square_3$           | $\Box_4$ | $\Box_5$    |
| A16.       | I make soft drinks or pre-packed juices<br>always available for the children in the<br>preschool   | $\Box_1$ | $\square_2$ | <b>D</b> <sub>3</sub> | $\Box_4$ | $\Box_5$    |

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## **B.** Snacking behaviour

The following part of the questionnaire aims to assess your snacking behaviour. It is important to remember that there are no right or wrong answers. Fill in what applies to you or your situation.

When we say SNACKING, we mean all food items consumed as snacks in between the main meals of the day i.e. between breakfast and lunch (morning snack), between lunch and dinner (afternoon snack) and before going to bed (evening snack).

**Examples of snacks include:** 

- pieces of fruits or vegetables, biscuits, yogurt (plain and flavored), cereal bar, bread, packet of crisps, bar of chocolate etc

When we say:

- <u>Fruits or Vegetables</u>: we mean pieces of fruits or vegetables (do not include juices)

- Bread or Cereals: we mean any kind of bread or breakfast cereals or cereal products

- Dairy products: we mean any kind of milk (plain and flavored), yogurt (plain and flavored) or cheese.

- <u>Sweet or salty snacks</u>: we mean any kind of chocolate, biscuits, candy, crisps, croissants, pizza or ice cream etc

### What do you think is an acceptable consumption of the following food items for 4-6 year old children?

|             |  | Never       | On certain<br>occasions<br>e.g.<br>birthdays | 1 or less<br>times per<br>week | 2-4<br>times<br>per<br>week | 5-6<br>times<br>per<br>week | 1-2<br>times<br>per<br>day | 3-4<br>times<br>per<br>day | 5 or<br>more<br>times<br>per day |
|-------------|--|-------------|--|--------------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------------|
| B1.         | Sweets/candies/<br>chocolate             |             | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| B2.         | Biscuits/cookies/<br>cakes/muffins       |             | $\square_2$                                  | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| B3.         | Crisps and other<br>similar salty snacks |             | $\square_2$                                  | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\Box_7$                   | $\square_8$                      |
| B4.         | Fruit                                    | $\square_1$ | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| B5.         | Vegetables                               | $\square_1$ | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| B6.         | Pizza, cheese pies/<br>meat pies         |             | $\square_2$                                  | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\Box_7$                   | $\square_8$                      |
| B7.         | Milk (plain)                             | $\square_1$ | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| <b>B8.</b>  | Yogurt (plain)                           | $\square_1$ | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| <b>B9.</b>  | Milk (flavored)                          | $\Box_1$    | $\square_2$                                  | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| <b>B10.</b> | Yogurt (flavored)                        | $\Box_1$    | $\square_2$                                  | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |
| B11.        | Cheese                                   | $\Box_1$    | $\Box_2$                                     | $\square_3$                    | $\Box_4$                    | $\square_5$                 | $\square_6$                | $\square_7$                | $\square_8$                      |

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|              |  | Strongly | Disagree    | Neither agree | Agree    | Strongly              |
|--------------|--|----------|-------------|---------------|----------|-----------------------|
| <b>D</b> 14  |  | disagree | -           | nor disagree  | _        | agree                 |
| B12.         | Eating snacks is good for the children   | $\Box_1$ | $\square_2$ | $\square_3$   | $\Box_4$ | $\Box_5$              |
| B13.         | Eating fruits or vegetables as a snack is good for the children  |          | $\square_2$ | $\square_3$   | $\Box_4$ | $\square_5$           |
| B14.         | Eating sweet or salty food items as<br>a snack is good for the children  | $\Box_1$ | $\square_2$ | $\square_3$   | $\Box_4$ | $\Box_5$              |
| B15.         | I often make fruit or vegetables<br>available as a snack in the<br>classroom for the children                        | $\Box_1$ | $\square_2$ |               | $\Box_4$ |                       |
| B16.         | I often make sweet or salty snacks<br>available as a snack in the<br>classroom for the children                      |          |             |               | $\Box_4$ |                       |
| B17.         | I encourage parents not to give<br>children sweet or salty snacks at<br>preschool                                    |          | $\square_2$ |               | $\Box_4$ |                       |
| B18.         | I find it difficult to promote eating<br>healthy snacks in preschool when<br>parents oppose this rule                |          | $\square_2$ |               | $\Box_4$ |                       |
| <b>B19</b> . | It is easy for me to promote eating<br>healthy snacks in preschool even<br>when I have a tight schedule to<br>follow |          |             |               | $\Box_4$ | <b>D</b> <sub>5</sub> |
| B20.         | It is difficult for me to discourage<br>children from bringing in the<br>preschool sweet or salty foods as<br>snacks |          |             |               | $\Box_4$ | <b>D</b> <sub>5</sub> |
| B21.         | I often eat fruits or vegetables as a snack in preschool   | $\Box_1$ | $\Box_2$    | $\square_3$   | $\Box_4$ | $\Box_5$              |
| B22.         | I often eat sweet or salty foods as<br>a snack in preschool  | $\Box_1$ | $\Box_2$    | $\square_3$   | $\Box_4$ | $\Box_5$              |

### Please read the following statements and tick the boxes most appropriate to your situation:

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| Taste and  |                      |          |                               |          |                   |  |
|--|----------------------|----------|-------------------------------|----------|-------------------|--|
|  | Strongly<br>disagree | Disagree | Neither agree<br>nor disagree | Agree    | Strongly<br>agree |  |
| <b>B23.</b> I would restrain myself from eating sweet or salty as a snack in the classroom because of the presence of the children |                      |          |                               | $\Box_4$ |                   |  |
| <b>B24.</b> Eating regularly any type of snacks helps the children meet daily nutrient recommendations                             |                      |          |                               | $\Box_4$ | $\Box_5$          |  |
| <b>B25.</b> Meeting the daily nutrient recommendations is important for the children's growth and development                      |                      |          |                               | $\Box_4$ |                   |  |

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## **C. Physical Activity**

The following part of the questionnaire is to assess your physical activity behaviour. It is important to remember that there are no right or wrong answers. Fill in what applies to you or your situation.

In the following questions, <u>when we say PHYSICAL ACTIVITY</u> including practicing a sport or exercising we mean:

Activities that make an individual breathe harder or sweat i.e., walking, cycling, team sports like football and organized activities such as swimming

## C1. I think that the recommendation on PHYSICAL ACTIVITY for 4-6 year old children is:

- $\Box_1$  To be physically active one day a week
- $\square_2$  To be physically active 2-3 days a week
- $\square_3$  To be physically active every day for 30 minutes to 1 hour
- $\square_4$  To be physically active every day for 1-2 hours
- $\square_5$  To be physically active every day for 3-4 hours
- $\square_6$  To be physically active every day for 5-6 hours
- $\square_7$  To be physically active every day for 7-8 hours
- $\square_8$  To be physically active every day for more than 8 hours
- □<sub>9</sub> I don't know

## Please read the following statements and tick the boxes most appropriate to your situation:

|     |   | Strongly<br>disagree | Disagree | Neither agree<br>nor disagree | Agree    | Strongly<br>agree     |
|-----|---|----------------------|----------|-------------------------------|----------|-----------------------|
| C2. | Being physically active is good for the children  | $\square_1$          | $\Box_2$ | $\square_3$                   | $\Box_4$ | $\Box_5$              |
| C3. | Using active transport (e.g. walk,<br>ride a bike,) is good for the<br>children   |                      |          | □3                            | $\Box_4$ | <b>D</b> <sub>5</sub> |
| C4. | I find that teaching in an active<br>way is beneficial for children's<br>health   |                      |          | □3                            | $\Box_4$ | <b>D</b> <sub>5</sub> |
| C5. | Children learn faster when<br>teaching takes place in an active<br>way  |                      |          | <b>D</b> <sub>3</sub>         | $\Box_4$ | <b>D</b> <sub>5</sub> |
| C6. | I think that it is beneficial for the<br>children to plan physical activity<br>lessons in the classroom or at the<br>playground |                      |          | Δ <sub>3</sub>                | $\Box_4$ | <b>D</b> <sub>5</sub> |
| C7. | It is a habit for me to plan<br>movement breaks during the day  | $\Box_1$             | $\Box_2$ |                               | $\Box_4$ | $\square_5$           |

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|      | for the children in the classroom   |                      |             |                               | Taste a               | nd move               |
|------|---|----------------------|-------------|-------------------------------|-----------------------|-----------------------|
|      |   | Strongly<br>disagree | Disagree    | Neither agree<br>nor disagree | Agree                 | Strongly<br>agree     |
| C8.  | I routinely plan active ways of<br>teaching in the classroom or at<br>the playground  | Ū                    |             |                               | $\Box_4$              | <b>D</b> <sub>5</sub> |
| С9.  | It is a habit for me to be<br>physically active with the<br>children at the playground  |                      |             |                               | $\Box_4$              |                       |
| C10. | It is a habit for me to encourage<br>the parents to dress their children<br>correctly to the weather<br>conditions  |                      |             |                               | $\Box_4$              | <b>D</b> <sub>5</sub> |
| C11. | I find it difficult ensuring<br>availability of toys or<br>equipment/material (bal, rope,<br>bike, swing,) for the children<br>to play active at the playground |                      |             | <b>D</b> <sub>3</sub>         | <b>D</b> <sub>4</sub> | <b>D</b> <sub>5</sub> |
| C12. | It is not hard for me to provide<br>movement breaks during the<br>day/lessons in the classroom even<br>when I have a tight schedule to<br>follow                |                      |             |                               | $\Box_4$              | <b>D</b> <sub>5</sub> |
| C13. | I find it easy to encourage the<br>children to be active at the<br>playground, if the weather is not<br>good or cold  |                      |             |                               | $\Box_4$              |                       |
| C14. | I find it easy to provide two<br>physical activity lessons per week<br>when space is limited  |                      |             |                               | $\Box_4$              |                       |
| C15. | I often encourage parents to<br>dress their children correctly to<br>the weather conditions   | $\Box_1$             | $\square_2$ |                               | $\Box_4$              |                       |
| C16. | I often encourage the children to<br>be active at the playground  | $\Box_1$             | $\square_2$ |                               | $\Box_4$              | $\square_5$           |
| C17. | I would restrain myself from<br>being inactive because of the<br>presence of the children   |                      | $\Box_2$    | <b>D</b> <sub>3</sub>         | $\Box_4$              |                       |

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## **D. Sedentary activities**

The following part of the questionnaire aims to assess your sedentary behaviour. It is important to remember that there are no right or wrong answers. Fill in what applies to you or your situation.

<u>When we say SEDENTARY activities</u>, we mean all sitting and lying activities, such as watching television and/or DVD, using the computer, drawing and looking into books. By screen viewing activities, we refer to the usual time spend in a range of activities

including TV/DVD/Video, electronic games and recreational computer use per day

## D1. I think that the recommendation for TV VIEWING for 4-6 year old children is:

- $\square_1$  Not to watch television at all
- $\square_2$  To watch television not more than a few times per week
- $\square_3$  To watch television for maximum 1 hour per day
- $\square_4$  To watch television for 1 to 2 hour per day
- □5 To watch television for 3 to 4 hours per day
- $\Box_6$  To watch television for 5 to 6 hours per day
- $\square_7$  To watch television for 7 to 8 hours per day
- $\square_8$  To watch television for more than 8 hours per day
- $\Box_9$ To watch television as often as he/she likes

□<sub>10</sub> I don't know

## Please read the following statements and tick the boxes most appropriate to your situation:

|     |  | Strongly<br>disagree | Disagree    | Neither agree<br>nor disagree | Agree    | Strongly<br>agree |
|-----|--|----------------------|-------------|-------------------------------|----------|-------------------|
| D2. | Doing activities in which the children sit<br>for more than 30 minutes is not good for<br>them                       |                      |             | $\square_3$                   | $\Box_4$ | $\square_5$       |
| D3. | I encourage the children to stand up<br>when they sit for a prolonged period of<br>time in the classroom             |                      |             |                               | $\Box_4$ |                   |
| D4. | Limiting my own time sitting down is good for the children   | $\Box_1$             | $\square_2$ | $\square_3$                   | $\Box_4$ | $\square_5$       |
| D5. | It is a habit for me to plan activities in<br>which the children do not have to sit for<br>more than 30 minutes      |                      |             |                               | $\Box_4$ |                   |
| D6. | I often encourage the children to stand<br>up when they sit down for a prolonged<br>period of time at the playground |                      |             |                               | $\Box_4$ |                   |

<sup>1.</sup> Manios Y, Androutsos O, Katsarou C et al. Designing and implementing a kindergarten-based, family-involved intervention to prevent obesity in early childhood. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:5-13. doi: 10.1111/obr.12175.

<sup>2.</sup> Mouratidou T, Miguel ML, Androutsos O et al. Tools, harmonization and standardization procedures of the impact and outcome evaluation indices obtained during a kindergarten-based, family involved intervention to prevent obesity in early childhood. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:53-60. doi: 10.1111/obr.12183.



|      |   | Taste and move of    |             |                               |          |                   |  |
|------|---|----------------------|-------------|-------------------------------|----------|-------------------|--|
|      |   | Strongly<br>disagree | Disagree    | Neither agree<br>nor disagree | Agree    | Strongly<br>agree |  |
| D7.  | I make sure that there are assignments<br>that the children need to fulfil standing<br>up in the classroom                        | $\Box_1$             | $\Box_2$    | $\square_3$                   | $\Box_4$ | $\Box_5$          |  |
| D8.  | I find it difficult to decrease children's<br>total sitting time in the classroom when<br>I have a tight schedule to follow       |                      |             |                               | $\Box_4$ | $\Box_5$          |  |
| D9.  | It is easy for me to rearrange the<br>classroom so that children can fulfil<br>standing up assignments                            |                      | $\square_2$ |                               | $\Box_4$ | $\Box_5$          |  |
| D10. | I allow the children to switch from<br>sitting down to standing up activities<br>without asking                                   |                      | $\square_2$ | $\square_3$                   | $\Box_4$ | $\Box_5$          |  |
| D11. | I try to restrain myself from sitting<br>down for extended periods in the<br>classroom while the children are<br>present          |                      |             |                               | $\Box_4$ |                   |  |
| D12. | I do not think it is necessary to provide<br>activities in which the children sit down<br>for less than 30 minutes                |                      |             |                               | $\Box_4$ |                   |  |
| D13. | I am aware of different strategies to<br>decrease children's total sitting time per<br>day in the classroom and the<br>playground |                      |             | $\Box_3$                      | $\Box_4$ |                   |  |

## D14. How often do you have breaks in your classroom?

- $\Box_1$  Every 30 minutes
- $\square_2$  Every1 hour
- $\square_3$  Every 1 hour and 30 minutes
- $\Box_4$  Every 2 hours
- $\square_5$  No planned breaks/varied by day
- $\Box_6$  I don't know

The present questionnaire is available for free use with the obligation to explicitly reference the Toybox-study (<u>www.toybox-study.eu</u>) and add the relevant references:

<sup>1.</sup> Manios Y, Androutsos O, Katsarou C et al. Designing and implementing a kindergarten-based, family-involved intervention to prevent obesity in early childhood. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:5-13. doi: 10.1111/obr.12175.

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