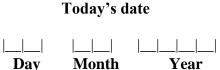




**Primary Caregiver's Questionnaire** 

Country code	ountry code Preschool number		v code Preschool number Class number		Code number		



- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



Dear Parents/Caregivers,

You and your child 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 this questionnaire. Your participation is voluntary. All answers will be treated in strict confidence 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 give it back to your child in order to take it back to preschool or hand it in yourself to the teacher. 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

• In sections **B**, **C**, **D AND E** we ask firstly questions about YOU and then for YOUR child.

When you see *in this refers to YOU and when you see*, this refers to YOUR child

- Please complete the questionnaire using a blue or black pen.
- •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.
- In some questions we ask you to write your own answer.

#### **EXAMPLES:**

#### How far is your child's preschool located from your home?

- $\square_1$  Up to 500 metres
- $\square_2$  From 500 metres to <1 kilometre
- $X_3$  From 1 kilometre to <2 kilometres
- $\square_4$  From 2 kilometres to <3 kilometres
- $\square_5$  From 3 kilometres to <4 kilometres
- $\square_6$  4 kilometres or more

## How much time does your child spend doing sports in a sports club per week?

**\_0\_\_2** hours **\_3\_\_5** minutes

If you wish to change an answer, leave the incorrect answer box marked 'X' and make the correct answer box completely black: **How far is your child's preschool located from your home?** 

- $\Box_1$  Up to 500 metres
- $\Box_2$  From 500 metres to <1 kilometre
- $\mathbf{X}_3$  From 1 kilometre to <2 kilometres
- $\square_4$  From 2 kilometres to <3 kilometres
- $\square_5$  From 3 kilometres to <4 kilometres
- $\square_6$  4 kilometres or more

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



## A. Socio-demographic Questions

The following questions are for the person who is answering this questionnaire. Ideally this person must be the child's primary caregiver. Please answer all questions and fill in what applies to you or your situation. It is important to remember that there are no right or wrong answers.

#### This questionnaire is filled in by... $\Box_1$ The mother $\square_2$ The stepmother $\square_{3}$ The father $\Box_4$ The stepfather $\Box_5$ Other (please state by whom .....) A1. Was your child born in *<insert country>*? $\Box_1$ Yes $\Box_2$ No, he/she was born in: ..... A2. Was the biological mother of your child born in *<insert country>*? $\Box_1$ Yes $\Box_2$ No, she was born in: ..... $\Box_3$ I don't know A3. Was the biological father of your child born in *<insert country>*? $\Box_1$ Yes $\Box_2$ No, he was born in: ..... $\Box_3$ I don't know A4. In what language(s) do you usually/mainly speak with your child at home? $\Box_1$ <*insert national language>* $\square_2$ Other language, please specify: ..... A5. Which adults does your child live with? (You can mark more than one box) $\Box_1$ With both his/her mother and father $\square_2$ Only with his/her mother $\Box_3$ Only with his/her father $\square_4$ With his/her mother and her new partner $\Box_5$ With his/her father and his new partner $\Box_6$ With his/her grandparents $\square_7$ Other adults (please specify)..... How many persons live permanently in the household where your child usually lives? **A6.** Number of persons 18 years or above: | | person(s). **A7.** Number of persons below 18 years: person(s).

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:

1. 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. doi: 10.1111/obr.12175.

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How many years of school education did you and your spouse/partner complete? Please mark one option for you and one option for your spouse/partner (do not count years in preschool and start from age 6)

	<b>A8. Me</b>	A9. Spouse/partner	A10. I do not have a spouse/ partner
Less than 7 years	$\Box_1$	$\Box_1$	$\Box_1$
7-12 years	$\Box_2$	$\square_2$	
13-14 years	$\square_3$	$\square_3$	
15-16 years	$\Box_4$	$\Box_4$	
More than 16 years	$\square_5$	$\square_5$	

#### What is the main occupation of you and your spouse/ partner over the last 6 months?

	A11. Me	A12. Spouse/partner	A13. I do not have a spouse/ partner
Full time housework	$\Box_1$	$\Box_1$	$\Box_1$
Work full-time	$\square_2$	$\square_2$	
Work part-time	$\square_3$	$\square_3$	
Unemployed	$\Box_4$	$\Box_4$	
Full-time education	$\Box_5$	$\square_5$	
Sick/disabled	$\square_6$	$\Box_6$	
Something else	$\square_7$	$\Box_7$	

A14. What is the gender of your child?

 $\Box_1$ Male  $\Box_2$ Female

#### A15. On which day/month/year your child was born?

|\_\_\_| Day |\_\_\_| Month |\_\_\_| Year

- A16. How many days per week does your child usually attend childcare?
- A17. How many hours per day does your child usually attend childcare?

<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. 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.

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#### A18. What do you think about your child's weight?

- $\Box_1$  My child's weight is very low
- $\Box_2$  My child's weight is low
- $\Box_3$  My child's weight is not too low/ not too high
- $\Box_4$  My child's weight is high
- $\Box_5$  My child's weigh is very high

How many hours of sleep does your child usually have during the night? (Please mark one box for weekdays and one box for weekend days)

A19. Weekdays	A20. Weekend days
(average per night)	(average per night)
$\Box_1$ Less than 6 hours	$\Box_1$ Less than 6 hours
$\square_2$ 6-7 hours	$\square_2$ 6-7 hours
$\square_3$ 8-9 hours	$\square_3$ 8-9 hours
$\Box_4$ 10-11 hours	$\Box_4$ 10-11 hours
$\Box_5$ 12-13 hours	$\Box_5$ 12-13 hours
$\square_6$ 14 hours	$\square_6$ 14 hours
$\square_7$ More than 14 hours	$\square_7$ More than 14 hours
$\square_8$ I don't know	$\square_8$ I don't know

# Thinking on the number of times and the duration of naps your child usually takes; Please indicate the <u>TOTAL TIME SPEND TAKING NAPS PER DAY.</u> (Please mark one box for weekdays and one box for weekdays)

for weekend days)					
A21. Weekdays	A22. Weekend days				
(average per week day)	(average per weekend day)				
$\square_1$ My child does not take naps on	$\square_1$ My child does not take naps on weekend				
weekdays	days				
$\square_2$ Less than 1 hour	$\square_2$ Less than 1 hour				
$\square_3$ 1-2 hours	$\square_3$ 1-2 hours				
$\Box_4$ 3-4 hours	$\square_4$ 3-4 hours				
$\Box_5$ 5-6 hours	$\Box_5$ 5-6 hours				
$\Box_6$ 7-8 hours	$\square_6$ 7-8 hours				
$\Box_7 9$ or more hours	$\square_7 9$ or more hours				
$\square_8$ I don't know	$\square_8$ I don't know				

- 1. 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. doi: 10.1111/obr.12175.
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	Me	Spouse/partner	Grandparents	Others
A23. Prepare your child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
for preschool				
A24. Drop your child at	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
preschool				
A25. Picks your child up	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
after preschool				
A26. Cooks for your	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
child				
A27. Supervises/Feeds	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
your child				
A28. Supervises outdoor	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$
activities				

#### Which member of the family is usually in charge of the following tasks?

#### What is the age, height and weight of parents/caregivers with whom your child lives with?

	Me
A29. Age	years
A30. Height	(cm)
A31. Weight	.  (kg)

Spouse/partner				
years				
_ (cm)				
_ .  (kg)				

<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. doi: 10.1111/obr.12175.

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### **B.** Drinking behaviour

The following part of the questionnaire aims to assess the drinking behaviour of you and your child. Please answer all questions. 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

## > QUESTIONS ABOUT YOU



How many portions of the following drinks do YOU usually consume? 'please note that portions per week is the same as times per week'

Beverage	Portion Size	Never	1 portion or less per week	2-4 portions per week	5-6 portions per week	1-2 portions per day	3-4 portions per day	5 or more portions per day
B1. Water (includes tap water, still and sparkling mineral water)	1 cup = 250 ml 1 small plastic bottle = 500ml 1 glass water = 250 ml						$\Box_6$	
B2. Fruit juice, home-made, freshly squeezed	1 glass fruit juice = 250ml	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	
<b>B3.</b> Fruit juice, pre-packed/ bottled (100%, nectar etc.)	1 small plastic bottle = 500ml				<b>D</b> <sub>4</sub>			<b>D</b> <sub>7</sub>

- 1. 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. doi: 10.1111/obr.12175.
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Beverage	Portion Size	Never	1 portion	2-4	5-6	1-2	3-4	5 or more
			or less	portions	portions	portions	portions	portions
			per week	per week	per week	per day	per day	per day
B4. Light	1  cup = 250  ml	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$	$\square_6$	$\square_7$
beverages	$1 \operatorname{can} = 330 \operatorname{ml}$							
(light soda	1 small plastic							
drinks, light	bottle = 500ml							
<i>Cola</i> ,)	1 glass lemonade							
	= 250  ml							
<b>B5.</b> Sugared	1  cup = 250  ml	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$	$\square_6$	$\square_7$
beverages	$1 \operatorname{can} = 330 \operatorname{ml}$							
(soda drinks	1 small plastic							
like Cola,	bottle = 500ml							
limonade,	1 glass lemonade							
Ice Tea,)	=250 ml							

## > QUESTIONS ABOUT YOUR CHILD



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

		Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
<b>B6.</b>	My child is allowed to drink soft drinks or pre- packed juices whenever he/she asks for	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$
B7.	I make water always available for my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
<b>B8.</b>	It is bad for my child to drink soft drinks everyday	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$
<b>B9.</b>	It is bad for my child to drink pre-packed juices everyday	$\Box_1$	$\Box_2$	$\square_3$	$\square_4$	$\square_5$
B10.	I encourage my child to drink water	$\Box_1$	$\Box_2$	$\Box_3$	$\Box_4$	$\Box_5$
B11.	If I would like to drink soft drinks or pre-packed juices, I would try to restrain myself because of the presence of my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
B12.	I am pleased with my child's water consumption	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
B13.	My child prefers to drink soft drinks or pre-packed juices instead of water	$\Box_1$	$\Box_2$	$\Box_3$	$\Box_4$	$\square_5$
<b>B14</b> .	During meals, water is always available on the table	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$

- 1. 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. doi: 10.1111/obr.12175.
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	Taste and move				
	Strongly	Disagree	Neither agree	Agree	Strongly
	disagree		nor disagree		agree
<b>B15.</b> I find it difficult to give my child water if he/she wants soft drinks or pre-packed juices	$\Box_1$	$\square_2$	$\Box_3$	$\square_4$	$\square_5$
<b>B16.</b> My child does not enjoy drinking water	$\Box_1$	$\Box_2$	$\Box_3$	$\square_4$	$\Box_5$
<b>B17.</b> I make soft drinks or pre-packed juices always available for my child	$\Box_1$	$\square_2$	$\Box_3$	$\square_4$	$\Box_5$
<b>B18.</b> My child's water consumption is within the appropriate recommendations	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
<b>B19.</b> My child can drink soft drinks or pre-packed juices as much as he/she likes	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
<b>B20.</b> I give soft drinks or pre-packed juices to my child as a reward or to comfort him/her	$\Box_1$	$\square_2$	$\Box_3$	$\square_4$	$\Box_5$
<b>B21.</b> During meals, soft drinks or pre-packed juices are always available on the table	$\Box_1$	$\square_2$	$\Box_3$	$\square_4$	$\square_5$
<b>B22.</b> My child drinks soft drinks or pre-packed juices only on certain occasions e.g., birthdays	$\Box_1$	$\square_2$	$\Box_3$	$\square_4$	$\square_5$

## **B23.** How often do you think your child should drink soft drinks and pre-packed juices? 'please note that portions per week is the same as times per week'

- $\Box_1$  Never
- $\square_2$  On certain occasions e.g., birthdays
- $\square_3$  1 glass or less per week
- $\Box_4$  2-4 glasses per week
- $\Box_5$  5-6 glasses per week
- $\square_6$  1-2 glasses per day
- $\Box_7$  3-4 glasses per day
- $\square_8 5$  or more glasses per day
- $\Box_9$  I don't know

#### B24. How many glasses of water do you think your child should drink daily?

- $\Box_1$  None or scarce
- $\square_2 1$  glass per day
- $\Box_3 2$  glasses per day
- $\Box_4$  3 glasses per day
- $\Box_5$  4 glasses per day
- $\square_6$  5 glasses per day
- $\Box_7$  6 glasses per day
- $\square_8$  7glasses per day
- $\square_8$  8 or more glasses per day
- $\Box_9$  I don't know

- 1. 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. doi: 10.1111/obr.12175.
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### C. Snacking behaviour

The following part of the questionnaire aims to assess the snacking behaviour of you and of your child. Please answer all questions. It is important to remember that there are no right or wrong answers.

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

## > QUESTIONS ABOUT YOU



How often do you usually have something to eat as snack between the meals during weekdays?

On weekdays	Never	On 1 day	On 2 days	On 3 days	On 4 days	On 5 days
C1. Breakfast	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$
C2. Morning Snack (between Breakfast and Lunch)	$\Box_1$	$\Box_2$	$\Box_3$	$\Box_4$	$\Box_5$	$\Box_6$
C3. Afternoon Snack (between Lunch and Dinner)	$\Box_1$	$\Box_2$	$\Box_3$	$\Box_4$	$\Box_5$	$\square_6$
C4. An evening snack (after dinner)		$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$

How often do you usually have something to eat as snack between the meals during weekends?

On weekends	Never	On 1 day	On 2 days
C5. Breakfast	$\Box_1$	$\square_2$	$\square_3$
C6. Morning Snack	Π.		
(between Breakfast and Lunch)		<b>4</b> 2	-3
<b>C7.</b> Afternoon Snack (between Lunch and	Π.	□.	□.
Dinner)		<b>L</b> 2	<b>u</b> 3
<b>C8.</b> An evening snack (after dinner)	$\Box_1$	$\square_2$	$\Box_3$

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		Never	1 or less times per week	2-4 times per week	5-6 times per week	1-2 times per day	3-4 times per day	5 or more times per day
С9.	Nuts/peanuts	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C10.	Cakes/muffins	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C11.	Wholemeal Bread	$\Box_1$		$\square_3$	$\Box_4$	$\square_5$	$\square_6$	
C12.	Biscuits/cookies	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C13.	Crisps and other similar salty snacks			$\square_3$	$\Box_4$	$\Box_5$	$\Box_6$	
C14.	Crackers, breadsticks			$\square_3$	$\Box_4$	$\Box_5$	$\Box_6$	
C15.	Chocolate	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C16.	Sweets/candies	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C17.	Cheese	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C18.	Cheese pies/ meat pies	$\Box_1$		$\square_3$	$\Box_4$	$\square_5$	$\square_6$	
C19.	Yogurt/Fresh cheeses	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	
C20.	Pizza	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C21.	Fresh Fruits	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$
C22.	Vegetables	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	$\square_7$

#### How often do you consume the following items as a snack (in between your main meals)?

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



## > QUESTIONS ABOUT YOUR CHILD

Please read the following statements and tick the boxes most appropriate to your situation for morning, afternoon and evening snacks

morning, arternoon and evening snacks	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
C23. My child likes to eat fruits or vegetables as a snack	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
C24. My child likes to eat dairy as a snack	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
C25. My child likes to eat cereals/bread as a snack	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
<b>C26.</b> I often give fruits or vegetables as snacks to my child	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$
C27. I often give dairy as snacks to my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
C28. I often give cereals/bread as snacks to my child	$\square_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$
<b>C29.</b> I make fruit or vegetables snacks regularly available for my child	$\Box_1$	$\Box_2$	$\square_3$	$\square_4$	$\square_5$
C30. I make dairy snacks regularly available for my child	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$
C31. I make cereals/bread snacks regularly available for my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
C32. My child chooses sweet or salty snacks, when fruit or vegetables snacks are available	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
C33. My child chooses sweet or salty snacks when other children eat fruit or vegetables snacks		$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
<b>C34.</b> I think eating sweet or salty snacks is not bad for my child	$\Box_1$	$\Box_2$	$\square_3$	$\square_4$	$\square_5$
C35. I make sweet or salty snacks regularly available for my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
C36. My child is not allowed to snack while watching TV	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
C37. My child is allowed to eat fruits or vegetables as snacks without asking	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



	-			laste and	
	Strongly	Disagree	Neither agree	Agree	Strongly
	disagree		nor disagree		agree
<b>C38.</b> My child is allowed to eat dairy or	$\square_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
cereals/bread as snacks without					_
asking					
<b>C39.</b> My child is allowed to eat sweet or	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
salty snacks only at certain					
occasions i.e., birthdays					
C40. I give sweet or salty snacks to my	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
child as a reward or to comfort					
him/her					
<b>C41.</b> If I prohibit my child to eat a sweet	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
or salty snack, I find it difficult to					
stick to my rules if he/she starts					
nagging					
C42. I find it difficult to restrain myself	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
from eating sweet or salty snacks					
because of the presence of my child					
C43. I am pleased with my child's	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
snacking behaviour					

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



When we say:

- Fruits or Vegetables: 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.

- Sweet or salty snacks: 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 occasions i.e. birthdays	1 or less times per week	2-4 times per week	5-6 times per week	1-2 times per day	3-4 times per day	5 or more times per day
C44. Sweets/candies/ chocolate	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$	$\square_8$
C45. Biscuits/cookies/ cakes/muffins	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$	$\square_8$
C46. Crisps and other similar salty snacks	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\Box_6$		$\square_8$
C47. Fruit and vegetables	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$		
C48. Pizza, cheese pies/ meat pies	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$	$\Box_6$	<b>D</b> <sub>7</sub>	$\square_8$
C49. Milk (plain)	$\Box_1$		$\square_3$	$\Box_4$	$\Box_5$	$\Box_6$	<b>D</b> <sub>7</sub>	$\square_8$
C50. Yogurt (plain)	$\Box_1$		$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	$\square_7$	$\square_8$
C51. Milk (flavored)	$\Box_1$		$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$	$\square_8$
C52. Yogurt (flavored)	$\Box_1$		$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\square_7$	$\square_8$
C53. Cheese	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\square_5$	$\square_6$	$\Box_7$	$\square_8$

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



### **D.** Physical Activity

The following part of the questionnaire is to assess the physical activity behaviour of you and of your child. Please answer all questions. 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, when we say PHYSICAL ACTIVITY we mean: Activities that you do including practicing a sport or exercising

## > QUESTIONS ABOUT YOU



Think about the time <u>you</u> spent walking in the last 7 days. This includes walking at work and at home, walking to travel from place to place, and any other walking that you might do solely for recreation, sport, exercise, or leisure.

<b>D1.</b> During the <b>last 7 days</b> , on how many days did you <b>walk</b> for at least 10 minutes at a time?	<b>D2.</b> How much time did you usually sper walking on one of those days?	ıd
Yes $\Box_1 \mid \_ \mid$ days per week	hours per day and	
No walking $\Box_2 \rightarrow \rightarrow$ continue with question D3	minutes per day	

Think about all the moderate activities that you did in the last 7 days. Moderate activities refer to activities that take moderate physical effort and make you breathe somewhat harder than normal. Think only about those physical activities that you did for at least 10 minutes at a time.

<b>D3.</b> During the <b>last 7 days</b> , on how many days did you do <u>moderate</u> physical activities like carrying light loads, bicycling at a regular pace, or doubles tennis?	<b>D4.</b> How much time did you usually spend doing moderate physical activities on one of those days?
Yes $\Box_1 \mid \_\_ \mid$ days per week	hours per day
No moderate physical activities $\Box_2 \rightarrow \rightarrow$	and
continue with question D5	minutes per day

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



Think about all the vigorous activities that you did in the last 7 days. Vigorous physical activities refer to activities that take hard physical effort and make you breathe much harder than normal. Think only about those physical activities that you did for at least 10 minutes at a time.

D5.	Durin	g the	last	7	days,	on	how
many	days d	id you	ı do	vig	gorous	phy	/sical
activit	ies lik	te he	avy	lif	fting,	dig	ging,
aerobi	cs, or fa	st bicy	cling	g?	-	-	
Yes	1	days p	er we	ek			

No vigorous physical activities  $\Box_2 \rightarrow \rightarrow$  continue with question D7

**D6.** How much time did you usually spend doing vigorous physical activities on one of those days?

|\_\_\_\_| hours per day

and

\_\_\_\_ minutes per day

Think about the time you spent sitting on weekdays during the last 7 days. Include time spent at work, at home, while doing course work and during leisure time. This may include time spent sitting at a desk, visiting friends, reading, or sitting or lying down to watch television.

**D7.** During the <u>last 7 days</u>, how much time did you spend <u>sitting</u> on a **week day**?

\_\_\_\_ hours per day and |\_\_\_\_ minutes per day

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



In the following questions, when we say **PHYSICAL ACTIVITY including practicing a sport or exercising** we mean:

Activities that YOUR CHILD does before and after school and that make him/her breathe harder or sweat

Examples of physical activities are: walking, cycling, playing in the playground, team sports like football and organized activities such as swimming or dance lessons

> QUESTIONS ABOUT YOUR CHILD



**D8.** Is your child member in a sports club?

 $\Box_1$  Yes

 $\square_2 No \implies \implies Please continue with question D11$ 

D9. How much time does your child spend doing sport in a sports club per week?

|\_\_\_\_| hours |\_\_\_\_| minutes

#### D10. What kind of sport does your child do in a sports club?

Please tick all appropriate.

- $\Box_1$  <*country-specific categories*>
- $\Box_2$  <*country-specific categories*>
- $\Box_3$  <*country-specific categories*>
- $\Box_4$  <*country-specific categories*>
- $\square_5$  Other, please specify: \_\_\_\_

D11. How does your child usually get to/from preschool and how long does it take him/her?

	D12. Travel forth	D12a.Time (minutes)	D13. Travel home	D13a.Time (minutes)
Walking	$\Box_1$		$\Box_1$	
Cycling (himself/herself)	$\square_2$		$\square_2$	
By guardians bicycle	$\square_3$		$\square_3$	
By school bus and/or public transport	$\Box_4$		$\Box_4$	
By car/motorbike	$\square_5$		$\square_5$	
Other, please specify:	$\square_6$		$\square_6$	

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



## Think about where your child spent his/her time YESTERDAY. Note: If yesterday was a Saturday or Sunday, then this question refers to the *last* WEEK DAY (i.e. Friday)

D14. What was the weather like YESTERDAY? (please tick one response)

- $\Box_1$  Fine to play outdoors
- $\square_2$  Too wet to play outdoors
- $\square_3$  Too hot or humid to play outdoors
- $\square_4$  Too cold to play outdoors
- **D15.** How much time did your child spend outdoors in active play (skipping, cycling) YESTERDAY? (record "0" if your child did not spend time playing outside)

hours |\_\_\_\_| minutes

### Think about where your child spent his/her time on the last WEEKEND DAY (Saturday or Sunday)

#### D16. What was the weather like on that WEEKEND-DAY? (please tick one response)

 $\Box_1$  Fine to play outdoors

- $\square_2$  Too wet to play outdoors
- $\square_3$  Too hot or humid to play outdoors

 $\square_4$  Too cold to play outdoors

## **D17.** How much time did your child spend outdoors in active play IN THE LAST WEEKEND DAY? (record "0" if your child did not spend time playing outside)

|\_\_\_\_| hours |\_\_\_\_| minutes

#### D18. How far is your child's preschool located from your home?

- $\Box_1$  Up to 500 metres
- $\square_2$  From 500 metres to <1 kilometre
- $\square_3$  From 1 kilometre to <2 kilometres
- $\square_4$  From 2 kilometres to <3 kilometres
- $\square_5$  From 3 kilometres to <4 kilometres
- $\square_6$  4 kilometres or more

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



#### D19. I think that the recommendations on PHYSICAL ACTIVITY for 4-6 year old children are

- $\Box_1$  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
- $\Box_5$  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
- $\square_9$  I don't know

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

		Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
	My child likes to be physically active	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	My child enjoys taking part in sports	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
3 (	My child prefers doing passive activities (like playing with cars, dolls, drawing,) rather than physical activities				$\Box_4$	
r F	If my child has the choice, he/she rather chooses to go somewhere in a passive (e.g. by car) rather than an active (walking, cycling) way		$\square_2$		$\Box_4$	
<b>D24.</b> I	Being physically active is good for my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	plan physical activity for my child on a regular basis	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
f	I find it difficult to organize our family so that we have enough time for active transport.	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
r f	Toys or equipment/material (ball, rope, bike, swing,) are available for my child to play actively outside or inside				$\Box_4$	

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:

3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.

<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. 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 mov-				
		Strongly	Disagree	Neither agree	Agree	Strongly
		disagree		nor disagree		agree
D28.	I find it difficult to let my child be	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
	physically active if I want my child					
	to be quiet so that I can do my					
	household or work					
D29.	I find it difficult to let my child be	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	physically active if the weather					
	conditions are bad or it is very					
	cold/hot outside.					
<b>D30</b> .	I find it difficult to let my child be	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	physically active outside as I always					
	have to be there to supervise					
	him/her					
D31.	I encourage my child to be	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	physically active					
D32.	I like doing physical activities	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	together with my child					
D33.	I reward my child or comfort	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	him/her by being physically active					
	together with him/her					
D34.	I find it difficult to insist that my	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	child is physically active if he/she					
	does not want to and starts nagging					
D35.	I try to be physically active together	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	with my child regularly					
D36.	My child is allowed to run around	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
	and be physically active inside our					
	house					
D37.	I am pleased with my child's	$\Box_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
	physical activity level					

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



#### **E. Sedentary activities**

The following part of the questionnaire aims to assess the sedentary behaviour of you and of your child. Please answer all questions. 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 SEDENTARY activities, we mean all sitting and lying activities, such as watching television and/or DVD, using the computer, drawing and looking into books.

## > QUESTIONS ABOUT YOU



About how many hours a day do <u>YOU</u> usually watch television (including DVDs and videos) in your free time? (Please mark one box for weekdays and one box for weekend days)

E1. Weekdays	E2. Weekend days
(average all weekdays)	(average per weekend days)
$\Box_1$ Never	$\square_1$ Never
$\square_2$ Less than 30 minutes/day	$\square_2$ Less than 30 minutes/day
$\Box_3$ 30 minutes to <1 hr/day	$\square_3 30$ minutes to <1 hr/day
$\square_4$ 1- 2 hrs/ day	$\square_4$ 1- 2 hrs/ day
$\Box_5$ 3-4 hrs/ day	$\Box_5$ 3-4 hrs/ day
$\Box_6$ 5-6 hrs/ day	$\square_6$ 5-6 hrs/ day
$\square_7$ 7-8 hrs/ day	$\square_7$ 7-8 hrs/ day
$\square_8 8 \text{ hrs/ day}$	$\square_8 8$ hrs/ day
$\square_9$ More than 8 hrs/ day	$\square_9$ More than 8 hrs/ day
$\Box_{10}$ I don't know	$\square_{10}$ I don't know

<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. 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.

<sup>3.</sup> González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



About how many hours a day do <u>YOU</u> usually use your computer for activities like chatting online, internet, emailing, playing games and/or do you play game consoles (e.g. Playstation, Xbox, GameCube) during leisure time? <u>Please do not count hours of computer use for work-related issues even when it is done at home</u>

E3. Weekdays	E4. Weekend days
(average all weekdays)	(average per weekend days)
$\Box_1$ Never	$\square_1$ Never
$\square_2$ Less than 30 minutes/day	$\square_2$ Less than 30 minutes/day
$\Box_3$ 30 minutes to <1 hr/day	$\Box_3$ 30 minutes to <1 hr/day
$\square_4$ 1- 2 hrs/ day	$\square_4$ 1- 2 hrs/ day
$\Box_5$ 3-4 hrs/ day	$\Box_5$ 3-4 hrs/ day
$\Box_6$ 5-6 hrs/ day	$\square_6$ 5-6 hrs/ day
$\square_7$ 7-8 hrs/ day	$\square_7$ 7-8 hrs/ day
$\square_8 8 \text{ hrs/ day}$	$\square_8 8$ hrs/ day
$\square_9$ More than 8 hrs/ day	$\square_9$ More than 8 hrs/ day
$\Box_{10}$ I don't know	$\square_{10}$ I don't know

## E5. How often do <u>you or your spouse/partner</u> watch television, DVD/video together with your child?

 $\Box_1$  Never

- $\square_2$  Less than once a week
- $\square_3$  Once a week
- $\Box_4$  2-4 days a week
- $\Box_5$  5-6 days a week
- $\square_6$  Every day, once a day
- $\Box_7$  Every day, more than once a day

#### E6. Is there internet connection available in your household?

- $\Box_1$  Yes
- $\Box_2$  No

#### Are the following devices available in your child's room?

	8	Yes	No
E7.	TV	$\Box_1$	$\square_2$
<b>E8.</b>	DVD player	$\Box_1$	$\square_2$
<b>E9.</b>	Game consoles	$\Box_1$	$\square_2$
	i.e., Play Station		
E10.	Computer	$\Box_1$	$\square_2$

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1. 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. doi: 10.1111/obr.12175.

2. 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.

3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



## > QUESTIONS ABOUT YOUR CHILD

In the following questions, when we say SEDENTARY BEHAVIOUR we mean: All sitting and lying activities, such as television viewing, playing games on a computer, game consoles and quiet play (drawing, construction, dolls), 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.

About how many hours a day does your child usually watch television (including DVDs and videos) in his/her free time? (Please mark one box for weekdays and one box for weekend days)

E11. Weekdays	<b>E12.</b> Weekend days
(average all weekdays)	(average per weekend days)
$\Box_1$ Never	$\Box_1$ Never
$\Box_2$ Less than 30 minutes/day	$\Box_2$ Less than 30 minutes/day
$\Box_3$ 30 minutes to <1 hr/day	$\Box_3$ 30 minutes to <1 hr/day
$\Box_4$ 1- 2 hrs/ day	$\square_4$ 1- 2 hrs/ day
$\Box_5$ 3-4 hrs/ day	$\Box_5$ 3-4 hrs/ day
$\Box_6$ 5-6 hrs/ day	$\Box_6$ 5-6 hrs/ day
$\square_7$ 7-8 hrs/ day	$\square_7$ 7-8 hrs/ day
$\square_8 8 \text{ hrs/ day}$	$\square_8 8 \text{ hrs/ day}$
$\square_9$ More than 8 hrs/ day	$\square_9$ More than 8 hrs/ day
$\Box_{10}$ I don't know	$\Box_{10}$ I don't know

About how many hours a day does your child use the computer for activities like playing games on a computer, game consoles (e.g.Playstation, Xbox, GameCube) during leisure time?

E13. Weekdays	E14. Weekend days
(average all weekdays)	(average per weekend days)
$\Box_1$ Never	$\square_1$ Never
$\square_2$ Less than 30 minutes/day	$\square_2$ Less than 30 minutes/day
$\Box_3$ 30 minutes to <1 hr/day	$\Box_3$ 30 minutes to <1 hr/day
$\square_4$ 1- 2 hrs/ day	$\square_4$ 1- 2 hrs/ day
$\Box_5$ 3-4 hrs/ day	$\Box_5$ 3-4 hrs/ day
$\Box_6$ 5-6 hrs/ day	$\square_6$ 5-6 hrs/ day
$\square_7$ 7-8 hrs/ day	$\square_7$ 7-8 hrs/ day
$\square_8 8 \text{ hrs/ day}$	$\square_8 8$ hrs/ day
$\square_9$ More than 8 hrs/ day	$\square_9$ More than 8 hrs/ day
$\Box_{10}$ I don't know	$\square_{10}$ I don't know

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.



About how many hours a day does your child have quiet play (looking into books, playing with blocks, playing with dolls, drawing, construction) during leisure time?

E15. Weekdays	E16. Weekend days
(average all weekdays)	(average per weekend days)
$\square_1$ Never	$\Box_1$ Never
$\Box_2$ Less than 30 minutes/day	$\square_2$ Less than 30 minutes/day
$\Box_3$ 30 minutes to <1 hr/day	$\square_3 30$ minutes to <1 hr/day
$\square_4$ 1- 2 hrs/ day	$\square_4$ 1- 2 hrs/ day
$\square_5$ 3-4 hrs/ day	$\square_5$ 3-4 hrs/ day
$\Box_6$ 5-6 hrs/ day	$\square_6$ 5-6 hrs/ day
$\square_7$ 7-8 hrs/ day	$\square_7$ 7-8 hrs/ day
$\square_8 8$ hrs/ day	$\square_8 8$ hrs/ day
$\square_9$ More than 8 hrs/ day	$\square_9$ More than 8 hrs/ day
$\Box_{10}$ I don't know	$\square_{10}$ I don't know

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

		Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
E17.	I think screen viewing activities are beneficial and educational for my child	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\square_5$
E18.	My child likes to watch TV/DVD/ Video	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E19.	My child prefers to watch TV for a long time instead of doing other activities	$\Box_1$	$\Box_2$	$\Box_3$	$\Box_4$	$\square_5$
E20.	I find it difficult to limit my child's screen viewing activities if he/she does not want to and starts nagging	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E21.	I like watching TV/DVD/Video together with my child	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E22.	I make sure that there are other activities available for my child to do instead of screen viewing	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$
E23.	My child does not like to do activities while standing up	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E24.	My child's TV viewing levels are within the appropriate recommendations	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E25.	I think it is necessary to limit the screen viewing activities for my child	$\Box_1$	$\square_2$	$\Box_3$	$\Box_4$	$\square_5$

<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. doi: 10.1111/obr.12175.

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		Taste and more						
		Strongly	Disagree	Neither agree	Agree	Strongly		
		disagree		nor disagree		agree		
E26.	I encourage my child to do something	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	else instead of watching TV/DVD/Video							
E27.	It is a habit to organise my family so that	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	we can see programs we like at TV							
E28.	I try to restrain myself from watching	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	TV/DVD/Video while my child is							
	present							
E29.	My child is allowed to watch TV for as	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	long as he/she wants							
E30.	I punish my child by forbidding him/her	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	to watch TV							
E31.	I do not think it is necessary to limit TV	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	viewing for my child if he/she look at							
	the appropriate children programs							
E32.	I am pleased with my child's screen	$\square_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$		
	viewing activities							

#### E33. 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

 $\Box_3$  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

 $\square_{10}$  I don't know

#### How often does your child watch television during the following meals?

	Never	Never Rarely Sometimes		Often	Always
E34. Breakfast	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E35. Morning snack	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\square_5$
E36. Lunch	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E37. Afternoon snack	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\square_5$
E38. Dinner	$\Box_1$	$\Box_2$	$\square_3$	$\Box_4$	$\square_5$
<b>E39.</b> Evening snack	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$

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### F. General questions about your child Please answer the following questions only for your child who brought the questionnaire from school

<b>F1.</b> Pre-gestational maternal weight (2-3 months prior to conception)	Please specify	_  .  (kg)				
<b>F2.</b> How much weight (kg) did the mother gain during pregnancy?	Please specify	_  .  (kg)				
<b>F3.</b> Was the gestation multiparous?	$\Box_1 No$ $\Box_2 Yes, carrying  \  children$					
<b>F4.</b> Weeks of gestation (max 40 weeks)	Please specify    weeks					
Smoking during gestation	<b>F5.</b> 1 <sup>st</sup> trimester	<b>F6.</b> 2 <sup>nd</sup> trimester	<b>F7.</b> 3 <sup>rd</sup> trimester			
	$\Box_1 No$	$\Box_1 No$	$\Box_1 No$			
	$\Box_2$ Yes	$\square_2$ Yes	$\square_2$ Yes			
	F5.1. If yes, give	F5.2. If yes, give	F5.3. If yes, give			
	number	number	number			
	of cigarettes	of cigarettes	of cigarettes			
	per day	per day	per day			

Please record the weight and length of your child at birth and performed on the 6<sup>th</sup>, 7<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> month of your child's life (please have a look at the recorded infant's growth chart/medical record)

	Weight (kg)	Length (cm)
F8. At birth	.    (kg)	(cm)
<b>F9.</b> Month 6	.    (kg)	(cm)
<b>F10.</b> Month 7	.    (kg)	(cm)
<b>F11.</b> Month 11	.    (kg)	(cm)
<b>F12.</b> Month 12	.    (kg)	(cm)

- 1. 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. doi: 10.1111/obr.12175.
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- 3. González-Gil EM, Mouratidou T, Cardon G et al. Reliability of primary caregivers reports on lifestyle behaviours of European preschool children. The ToyBox-study. Obes Rev. 2014 Aug;15 Suppl S3:61-66. doi: 10.1111/obr.12184.







#### Breastfeeding and nutrition over the first 12 months of your child's life

Please tick $$ all the months during which the child systematically received breastfeeding:													
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	>12th
F13. Breastfeeding		$\square_2$	$\square_3$	$\square_4$	$\square_5$	$\square_6$		$\square_8$	<b>D</b> 9	$\square_{10}$	$\square_{11}$	$\square_{12}$	<b>D</b> <sub>13</sub>

At which month did you introduce in your child's routine diet the following (Please tick $$ only the month of introduction):														
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	<b>4</b> <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	>12th
F14.	Formula milk	$\Box_1$	$\square_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	$\square_7$	$\square_8$	<b>D</b> 9	<b>D</b> <sub>10</sub>		$\square_{12}$	$\square_{13}$
F15.	Tea, chamomile (e.g. for baby colic)		$\Box_2$	<b>D</b> <sub>3</sub>	$\Box_4$	<b>D</b> <sub>5</sub>	$\square_6$	<b>D</b> <sub>7</sub>		<b>D</b> 9	<b>D</b> <sub>10</sub>	<b>D</b> <sub>11</sub>	<b>D</b> <sub>12</sub>	<b>D</b> <sub>13</sub>
F16.	Liquid food (e.g. diluted fruit juice)		$\Box_2$	$\square_3$	$\Box_4$	$\Box_5$	$\square_6$	<b>D</b> <sub>7</sub>		<b>D</b> 9	<b>D</b> <sub>10</sub>		<b>D</b> <sub>12</sub>	<b>D</b> <sub>13</sub>
F17.	Solid and semi- solid food (e.g. farin lactee, vanilla cream, biscuit cream, fruit cream, vegetable soup)			<b>D</b> <sub>3</sub>	$\Box_4$	<b>D</b> <sub>5</sub>				<b>D</b> 9		<b>D</b> <sub>11</sub>		

### THANK YOU VERY MUCH FOR FILLING IN THE QUESTIONNAIRE!

- 1. 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. doi: 10.1111/obr.12175.
- 2. 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.
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