



## Protocols of the survey at 5.5 years

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## I. TELEPHONE SURVEY PROTOCOL

Slightly more than five years after inclusion of the children at the maternity unit, and two years after the survey at 3.5 years, a further telephone survey was conducted on the parents of the Elfe cohort children.

The design of this latest survey questionnaire, like those of the previous surveys, is based on the proposals put forward by the thematic groups, taking account of the pilot survey results, but also of new research questions and requests from the supervisory bodies (notably concerning the “environment” module).

The aim of the 5.5 years’ telephone survey was:

- to update information on the child’s environment since the 3.5 years’ survey (family, social, economic, cultural, dietary, etc.),
- to ask parents about their child-rearing and cultural practices,
- to document the stages of the child’s psychomotor development and health events (use of healthcare, targeting of new pathologies of specific interest for the study, such as early puberty, that may be linked to environmental contaminants).

The parents were asked about their child(ren)’s schooling and school in general, as was the case at 3.5 years when they had just started attending school. At 5.5 years, most children had been attending school for at least two years.

The topics introduced or re-introduced at 5.5 years concerned child sociability; the extended family; non-use of healthcare; children’s mental health; and in case of separation: changes in child support payments and living arrangements; work-family balance.

To explore mental health, the internationally accepted and recognized Strengths and Difficulties Questionnaire was used [SDQ, for measurement of symptoms of depression, anxiety, hyperactivity and prosocial behaviours between ages 4 and 17 years (Goodman, 1997)<sup>1</sup>].

The survey at 5.5 years was approved by the French data protection authority (CNIL) (authorization no. 915770). Its public interest and statistical quality were certified by the CNIS certification committee (Comité du Label) (visa 2016X718AU).

### 1. Preamble

Unlike the survey at 3.5 years,<sup>2</sup> but in line with the surveys at 2 months, 1 year and 2 years, both parents were interviewed, one as the “reference parent” and the other as the “cohabiting” or “non-cohabiting” parent.

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<sup>1</sup> Psychiat. Vol. 38. No. 5, pp. 581-586, 1997, Cambridge University Press.

<sup>2</sup>For the survey at 3.5 years, to avoid inconveniencing the parents with an overlong survey (the telephone survey was followed by a survey in the child’s home), only one parent was interviewed, except in cases of alternating custody, when both were interviewed.

However, despite a return to interviews with both parents, there is a major difference in survey design and data organization with respect to the surveys at 2 months, 1 year and 2 years: the survey at 5.5 years was not designed around a structural distinction between the “mother” and “father” questionnaires, but rather between the “reference parent” and “cohabiting parent” or “non-cohabiting parent” questionnaires.

This paradigm change addresses the need to satisfy two objectives:

- 1) Adapt the questionnaire structure in line with the protocol of the survey at 3.5 years. Hence:
  - either parent could be the reference parent, on condition that he/she lived with the child,<sup>3</sup>
  - in cases of alternating custody, both parents were invited to answer a “reference parent” questionnaire,
  - the reference parent in the previous survey was contacted first.

Last, note that up until the survey at 2 years, when the father was the reference parent and lived as a couple with the mother, there was no “cohabiting mother” questionnaire since the only reason for such a situation was the mother’s unavailability (long absence, inability to answer, father’s desire to be the sole reference parent). Under the new protocol, questionnaires could be completed by “cohabiting mothers”.

- 2) Facilitate use of data

Whatever the purpose of research, for the surveys at 2 months, 1 year and 2 years, the data from the “mother” and “father” questionnaires must be concatenated in order to obtain the full set of information obtained in the interview with the reference parent. Once the relevant questionnaires have been selected,<sup>4</sup> this involves modifying the prefix of all variables in at least one of the two questionnaires.

Now that a structural distinction has been made – reference parent questionnaire (prefix A05R or A05R2),<sup>5</sup> cohabiting parent questionnaire (prefix A05C) and non-cohabiting parent questionnaire (prefix A05N) – there is no longer any need to modify the prefixes to obtain all the information for the situation associated with one type of questionnaire.

## 2. Study population and survey waves

In principle, the survey concerned all families who had agreed to participate in the Elfe cohort. The following were excluded from the sampling frame transmitted to the service provider: 1) families that had formally requested to withdraw permanently and 2) families who had not participated since the survey at 2 months, i.e. not surveyed at 1 year, 2 years and 3.5 years.<sup>6</sup>

The sampling frame sent to the service provider included 13,967 families, 2,115 fewer than for the survey at 3.5 years for which 16,082 families had to be contacted (including a non-negligible number of families that had not taken part in the two most recent surveys).<sup>7</sup>

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<sup>3</sup>And not only the mother (apart from a few exceptions), contrary to the surveys at 2 months, 1 year and 2 years.

<sup>4</sup>i.e. the lines not corresponding to “reference parent” questionnaires are excluded.

<sup>5</sup>Both parents are reference parents in cases of alternating custody.

<sup>6</sup>The sampling frame nonetheless included those whose reasons for non-participation in the 3 previous surveys had never been “impossible to reach” or “final refusal” (n=121).

<sup>7</sup>At the start of the survey at 5.5 years, attrition since the survey in maternity units was around 25%.

The survey was again conducted on 4 waves of births so that all the children were of roughly the same age when their parents were surveyed. The aim was to ensure that the children were aged at least 5 years 5 months, and at most 5 years 10 months.

The upper age limit was not fixed, however, and depending on the speed of progress in the field and on the participation rate, certain waves were extended beyond the initial deadline, i.e. some interviews were conducted when the children were older than 5 years 10 months.<sup>8</sup>

The successive waves overlapped:

- Wave 1: 6 January to 19 April 2017: 2,157 children
- Wave 2: 1 February to 3 July 2017: 3,528 children
- Wave 3: 25 February to 4 September 2017: 3,995 children
- Wave 4: 1 April to 4 September 2017: 4,287 children

### **3. Protocol for contacting the parents**

#### **3.1 Implementation**

The Elfe team's data management pole sent the contact details of all families (phone number, email and postal addresses of parents and contact persons) to the service provider, updated in some cases at the time of previous surveys or following other contacts with the families (sending of greetings cards, birthday cards, etc.). As in previous surveys, the database of addresses and telephone numbers was matched for accuracy against the universal directory of La Poste.

At each wave, in the months preceding the survey:

- an initial letter (notification validated by the 'Comité du Label de la Statistique Publique') announcing the survey, worded according to the families' participation "assiduity",<sup>9</sup> was sent to the families by the project team and,
- in the week preceding the survey, all families with an email address received a message from the service provider 1) reminding them that they should have received a letter announcing the survey and, above all 2) giving all the necessary information to make an appointment for the telephone interview on the service provider's website.

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<sup>8</sup>As some families in wave 4 were interviewed after the summer holidays, contrary to what was initially intended, certain questions on the schooling modules were reworded for the children concerned.

<sup>9</sup>Three categories of families were created to personalize the notifications sent by the Elfe team and the emails sent by the service provider:

- Group 1: "loyal" assiduous families who had taken part in all telephone survey waves (2 months, 1 year, 2 years and 3.5 years),
- Group 2: active but "uncertain" families who had taken part in the survey at 3.5 years but not the previous ones,
- Group 3: "difficult" families who had not taken part in the survey at 3.5 years.

The website was developed specifically for the survey by the service provider to optimize participation by enabling families to choose the interview time and, in the event of unavailability at the appointed date/time, to modify the appointment, whatever the method used to arrange it.<sup>10</sup>

The service provider also set up a hotline that the parents could contact by email or by phone. Its main purpose was to provide a personalized response to the questions that families might ask and to make it easy to reschedule an appointment made online or by phone.

During the survey wave, in cases where the father, mother or contact person could not be reached, the service provider implemented specific procedures to recover addresses or telephone numbers via manual searches, follow-up email messages and letters.

### **3.2 Optimizing initial contact**

The list of telephone contacts was first “cleaned” – and hence substantially shortened – by the service provider to remove all wrong numbers.

The numbers that a parent could be contacted on were then called in succession until someone answered. For example, if the father was to be called first, as the reference parent in the survey at 3.5 years, the call was made on his number judged to be most reliable by the Elfe team. If he did not answer on this number, the less reliable numbers were called in succession. Then, if he still did not answer, the numbers of the mother and then of any designated contact persons were called.

For each telephone number, a message was left on the answerphone after the first unsuccessful call. The message was left only on the numbers of the person to be called first (no messages on the numbers of the other parent or contact persons).

The uncontacted parent was called up to 15 times if no contact had been made, and 40 times if contact had been made least once.

After the reference parent had replied, an email was sent to the other parent to arrange an appointment via the website.

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<sup>10</sup>i.e. appointment made directly on the website or following a phone call with the interviewer.

## 4. Types of parents, types of questionnaires

### 4.1 Definitions

As in the previous telephone surveys, there are three categories of parents, and of questionnaires:

- The REFERENCE parent: he/she lives all the time or part of the time with the child.

For the survey at 5.5 years, the reference parent of the survey at 3.5 years is considered, in principle, to be the reference parent.

In cases of alternating custody, each parent is a reference parent and both complete a reference parent questionnaire. If both take part in the survey, the reference parent in the survey at 3.5 years is reference parent 1. The other is reference parent 2. If only one parent takes part, he/she is necessarily reference parent 1.

The reference parent questionnaire is the most detailed (and includes the questions on the child's health, development and diet).

- The COHABITING parent: he/she lives with the reference parent at the same address as the child. In cases of same-sex parents,<sup>11</sup> the mother's partner can answer a cohabiting parent questionnaire.

The cohabiting parent questionnaire enables this parent to enter the variables that concern him or her specifically, to complete certain question modules only partly completed by the reference parent and to document certain modules concerning the entire household. If the cohabiting parent did not take part, despite being expected to do so, the questions he/she should have answered and which did not concern him/her directly (on housing or the household's living conditions, for example) could be answered by the reference parent.<sup>12</sup>

When both parents took part,

- The following modules had to include the cohabiting parent's answers in order to be fully completed:

EDUCATION (complementary to reference parent's questionnaire)

NURSERY SCHOOL (complementary to reference parent's questionnaire)

CHILD'S/PARENTS' OWNERSHIP OF CULTURAL GOODS, GAMES AND ACTIVITIES (complementary to reference parent's questionnaire)

UV (complementary to reference parent's questionnaire)

MAIN LABOUR MARKET SITUATION (complementary to reference parent's questionnaire)

LIVING CONDITIONS (cohabiting parent only, but two opinion questions are completed by each parent)

HOUSING (cohabiting parent only)

PESTICIDES (cohabiting parent only)

NEIGHBOURHOOD (cohabiting parent only)

SLEEP (complementary to reference parent's questionnaire)

- The following modules were completed in full by both parents, with no complementarity:

PARENT'S HEALTH

EXTENDED FAMILY

TEMPERAMENT

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<sup>11</sup> Providing that no father was available to be interviewed

<sup>12</sup> Providing that the reference parent agreed to do so.

- The following modules were completed mainly by the reference parent, but certain questions were also asked to the cohabiting parent, without complementarity:

CHILD'S SOCIAL LIFE

CHILD REARING PRACTICES

BODILY AWARENESS

•The NON-COHABITING parent: this is the parent of the Elfe child who does not live at the same address as the child and the reference parent when the child is not in alternating custody.

The structure of the non-cohabiting parent questionnaire is quite similar to that of the reference questionnaire and includes the household composition table, but is different in one key respect: it does not include any of the questions about the child which can only be adequately answered by someone who lives with the child. For example, no questions about the child's health and diet were asked to the non-cohabiting parent.

#### 4.2 Summary of situations

The table below describes the various situations encountered and the questionnaires administered in each case:

Situations:	The questionnaire of the first contacted parent is:	The questionnaire of the other parent will (or would) be:
<i>Both parents live together with the child: the first parent contacted is the reference parent and states that the other parent will take part</i>	1 REF	5 COH
<i>Both parents live together with the child: the first parent contacted is the reference parent and states that the other parent will not take part</i>	2 REF	No questionnaire
<i>The child lives solely with the contacted parent, who is the reference parent, and sees the other parent at least twice a year</i>	3 REF	6 NCOH
<i>The child lives solely with the contacted parent, who is the reference parent, and sees the other parent less than twice a year</i>	3 REF	No questionnaire
<i>The child lives solely with the other parent; the contacted parent is non-cohabiting, and sees the child at least twice a year</i>	6 NCOH	3 REF
<i>The child lives solely with the other parent; the contacted parent is non-cohabiting, and sees the child less than twice a year</i>	No questionnaire	3 REF
<i>The child is in alternating custody: the contacted parent and other parent are reference parents</i>	4 REF	4 REF
<i>The child is in care and both parents see him/her or only the mother sees him/her and we are online with her or only the father sees him/her and we are online with him</i>	7 REF	No questionnaire
<i>The child is in care and neither parent sees him/her</i>	No questionnaire	No questionnaire

<i>The child is in care: only the mother sees him/her and we are online with the father or only the father sees him/her and we are online with the mother</i>	No questionnaire	7 REF
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**5. Data dissemination**

All the variables of the survey at 5.5 years that can be made available are listed in an Excel document organized into several tabs:

- Tab 1 includes all variables relative to the “reference parent” questionnaires (all variables with prefixes A05R and A05R2).  
As the questionnaires are identical, the variables with prefixes A05R and A05R2 are presented on the same line and choosing one automatically implies choosing the other.
- Tab 2 includes all variables relative to the “cohabiting parent” questionnaires (all variables with prefixes A05C).
- Tab 3 includes all variables relative to the “non-cohabiting parent” questionnaires (all variables with prefixes A05N).
- Tab 4 includes all “participation” variables (prefix A05X).
- Tab 5 gives the formats of all variables/dictionary of codes.

These variables will be integrated at a later date into the online data platform, using the same categorization.

One variable, TYPQST, characterizes each type of questionnaire:

**TYPQST**

- 1 Reference parent with other cohabiting participating parent
- 2 Reference parent with other cohabiting parent who, according to the reference parent, will not participate
- 3 Reference parent without other cohabiting parent and no alternating custody
- 4 Reference parent: alternating custody
- 5 Cohabiting parent
- 6 Non-cohabiting parent
- 7 Reference parent child in care

In the database of responses to the “reference parent” questionnaires, TYPQST is called A05R\_TYPQST and takes the values 1, 2, 3, 4 and 7.

In the database of responses to the “cohabiting parent” questionnaires, TYPQST is called A05C\_TYPQST and takes the value 5.

In the database of responses to the “non-cohabiting parent” questionnaires, TYPQST is called A05N\_TYPQST and takes the value 5.



Note that when the reference parent reported that the cohabiting parent would take part at a later date, the questionnaire administered to the reference parent was filtered to avoid asking the questions intended for the cohabiting parent:<sup>13</sup> The full set of data for cohabiting households necessarily comprises all the variables entered in the “reference parent 1” (prefix A05R) and “cohabiting parent” (prefix A05C) questionnaires.

When the cohabiting parent did participate, to fully reconstitute these modules, the empty A05R\_ variables should be filled in with the information given for the same A05C\_ variables that are not empty.

When the cohabiting parent did not participate even though expected to do so, if the reference parent consented, he/she was asked to answer some of the questions or modules that should have been completed by the cohabiting parent. When this was the case, the variables concerned were entered in the reference parent questionnaire.

The variables A05R\_Q\_COHAB et A05C\_Q\_COHAB provide information on who answered the cohabiting parent questions in the questionnaire.

## **6. Participation report**

The appendix tables present the participation rates for the survey at 5.5 years by type of questionnaire and family situation, overall and by wave.

Participation rates can be considered satisfactory, since in 80% of families, the reference parent at least, were interviewed. The rate is very similar (79%) for the participation of cohabiting parents. For non-cohabiting parents it is much lower, but nonetheless higher than in previous surveys (61%).

Note that for all types of questionnaire, participation declined steadily, although slowly, for successive waves: the participation rate fell from 81.1% in wave 1 to 78.5% in wave 4.

## **II. PROTOCOL OF THE "MINIMAL DATA COLLECTION" SURVEY**

In order to continue following children whose parents were unable to take part in the telephone survey because they were living outside metropolitan France at the time of the survey, or because they could not be reached, or said they were unavailable but did not wish to drop out, the families were asked to complete a short questionnaire.

Respondents were asked to confirm their phone number and address and to answer around 20 questions.

For the families concerned:

- those living abroad and those living in metropolitan France who had an email address were invited to complete an online questionnaire,

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<sup>13</sup>If the cohabiting parent did not participate (A05R\_TYPQST=2), these questions and modules were not filtered in the reference parent questionnaire and that parent answered all questions.

- this same questionnaire, in paper form, was sent to those without an email address living in metropolitan France but for whom we had a postal address.

From mid-May 2017, a questionnaire was sent to non-respondents at Wave 1, then in early October 2017 for non-respondents to Waves 2 to 4. For all waves, this concerned 2,900 people.

Participation results: 200 online responses and 187 paper responses.

### III. SOURCES AND REFERENCES OF QUESTIONS RELATING TO THE VARIOUS MODULES

To identify the questions concerning the standardized questionnaires, use the “search by theme” function of the data access platform.

1. List and civil status of dwelling occupants: survey on resources and living conditions (Enquêtes sur les ressources et conditions de vie, SRCV), INSEE
2. Family situation: survey on resources and living conditions (Enquêtes sur les ressources et conditions de vie, SRCV), INSEE
3. Child in care: questions specially designed for the Elfe survey
4. Separation and relationship with other parent: questions specially designed for the Elfe survey
5. Visiting and living arrangements: questions specially designed for the Elfe survey
6. Education: Labour Force survey (Enquête Emploi en Continu, EEC), INSEE
7. Nursery school: questions specially designed for the Elfe survey
8. Use of communication appliances and games: questions specially designed for the Elfe survey
9. Equipment in cultural goods, child’s games and child’s activities: questions specially designed for the Elfe survey
- 10.
11. UV and Holidays: and questions specially designed for the Elfe survey
12. Child’s health: Respiratory problems: - adaptation of the ISAAC questionnaire; - Accidents: adaptation of the INVS questionnaires on domestic accidents; - + questions specially designed for the Elfe survey
13. Parent’s health: questions specially designed for the Elfe survey and the K6 psychological distress scale (already used in the survey at 2 years).  
Reference:  
Kessler, R. C., Barker, P. R., Colpe, L. J., Epstein, J. F., Gfroerer, J. C., Hiripi, E., Zaslavsky, A. M. (2003). Screening for Serious Mental Illness in the General Population. *Archives of General Psychiatry*, 60 (2), 184-189)
14. Main labour market situation: Labour Force survey (Enquête Emploi en Continu, EEC), INSEE

15. Household income: survey on resources and living conditions (Enquêtes sur les ressources et conditions de vie, SRCV), INSEE
16. Living conditions: survey on resources and living conditions (Enquêtes sur les ressources et conditions de vie, SRCV), INSEE
17. Child sociability: questions specially designed for the Elfe survey
18. Diet: Questions already asked in survey at 2 years, based on Children's Eating Difficulties (CED)  
Reference:  
Rigal, N., Chabanet, C., Issanchou, S., & Monnery-Patris, S. (2012). Links between Maternal Feeding Practices and Children's Eating Difficulties. Validation of French Tools. *Appetite*, 58, 629–637.
19. Child rearing practices: questions specially designed for the Elfe survey
20. CDI: Child Development Inventories (CDI), French version (IDE Inventaire Du Développement de l'Enfant : Duyme M et al. Devenir, 2010. 22:13-26.)
21. SDQ: International Strengths and Difficulties Questionnaire validated in French  
Reference:  
Shojaei T, Wazana A, Pitrou I, Kovess V. The Strengths and Difficulties Questionnaire: Validation Study in French School-Aged Children and Cross-Cultural Comparisons. *Social Psychiatry and Psychiatric Epidemiology*. 2009;44(9):740-747.
22. Extended family: questions specially designed for the Elfe survey
23. Relationship between parents and division of domestic tasks: adapted from the National survey on violence against women (Enquête nationale sur les violences envers les femmes, Université Paris 1) and French version of the Generations and Gender Study (Étude des relations familiales et intergénérationnelles, INED).
24. Housing: INSEE Housing Survey (Enquête logement) and questions specially designed for the Elfe survey
25. Pesticides: questions based on questionnaires used in the Pélagie cohort
26. Neighbourhood: questions specially designed for the Elfe survey
27. Bodily awareness: questions specially designed for the Elfe survey
28. Sleep: six questions are taken from a certified questionnaire for screening of sleep disordered breathing (Spruyt, Karen & Gozal, David. (2012). Screening of Pediatric Sleep Disordered Breathing: A Proposed Unbiased Discriminative Set of Questions Using Clinical Severity Scales. *Chest*. 142. 10.1378/chest.11-3164.)
29. Temperament: questions specially designed for the Elfe survey

#### IV. APPENDIX. PARTICIPATION REPORT

##### The 4 waves:

13,967 households to contact: N1

Reference parent participation rate (N2+N4)/N1 79.8%

Number of reference questionnaires completed/number of households to contact

Cohabiting parent participation rate N3/N2 78.9%

Number of cohabiting parent questionnaires completed/number of households where cohabiting parents are reported

Non-cohabiting parent participation rate N5/N4 51%

Number of non-cohabiting parent questionnaires completed/number of households where a non-cohabiting parent is reported

Reference parent cohabits with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	Absence of contact	14	0.1%
Incomplete	Absence of contact	146	1.5%
<b>Completed</b>	Will not participate	1 670	16.8%
<b>Completed</b>	Not applicable (1)	2	0.0%
<b>Completed</b>	Not completed	162	1.6%
<b>Completed (by other parent) (2)</b>	Not completed	107	1.1%
<b>Completed</b>	Incomplete	2	0.0%
<b>Completed</b>	<b>Completed</b>	<b>7 853</b>	<b>78.9%</b>
Total		9 956	100.0%
Total reference parent completed:		9 796	98.4%
Total "other parent" completed N3 when contacted		7 853	96.7%

(1) Not applicable: outside protocol (child in alternating custody)

(2) Part of the cohabiting parent questionnaire completed by the reference parent

Reference parent does not cohabit with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	Absence of contact	6	0.4%
Not completed	Not completed	1	0.1%
Not completed	Incomplete	1	0.1%
Not completed	<b>Completed</b>	35	2.4%
Incomplete	Absence of contact	45	3.1%
<b>Completed</b>	Not applicable (1)	165	11.5%
<b>Completed</b>	Not completed	424	29.5%
<b>Completed</b>	Incomplete	19	1.3%
<b>Completed</b>	<b>Completed</b>	<b>740</b>	<b>51.5%</b>
Total		1 436	100%
Total reference parent completed: N4		1 348	94%
Total "other parent" completed when contacted: N5		740	65.5%

(1) Not applicable: No other parent to survey

**Wave 1:** 2,157 households to contact:

Reference parent participation rate 81.1%

Number of reference questionnaires completed/number of households to contact

Cohabiting parent participation rate 80.0%

Number of cohabiting parent questionnaires completed/number of households where parents are known to cohabit

Non-cohabiting parent participation rate 61.0%

Number of non-cohabiting parent questionnaires completed/number of households where a non-cohabiting parent is known to exist

Reference parent cohabits with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	Absence of contact	1	0.1%
Incomplete	Absence of contact	27	1.7%
<b>Completed</b>	Will not participate	235	15.0%
<b>Completed</b>	Not applicable (1)	-	
<b>Completed</b>	Not completed	12	0.8%
<b>Completed (by other parent) (2)</b>	Not completed	39	2.5%
<b>Completed</b>	Incomplete	-	
<b>Completed</b>	<b>Completed</b>	<b>1,257</b>	<b>80.0%</b>
Total		1,571	100.0%
Total reference parent completed			98.2%
Total "other parent" completed when contacted		1,257	96.1%

(1) Not applicable: outside protocol (child in alternating custody)

(2) Part of the cohabiting parent questionnaire completed by the reference parent

<b>Reference parent does not cohabit with other parent</b>			
Participation of reference parent	Participation of other parent	N	%
Not completed	Absence of contact	2	0.9%
Not completed	Not completed	1	0.5%
Not completed	Incomplete	-	
Not completed	<b>Completed</b>	4	1.8%
Incomplete	No contact		2.3%
<b>Completed</b>	Not applicable (1)	31	14.2%
<b>Completed</b>	Not completed	61	28.0%
<b>Completed</b>	Incomplete	4	1.8%
<b>Completed</b>	<b>Completed</b>	<b>110</b>	<b>50.5%</b>
Total		218	100%
Total reference parent completed		206	94%
Total "other parent" completed when contacted		110	65.1%

(1) Not applicable: No other parent to survey

**Wave 2:** **3,528** households to contact:

Reference parent participation rate 81.3%  
 Number of reference questionnaires completed/number of households to contact

Cohabiting parent participation rate 81.1%  
 Number of cohabiting parent questionnaires completed/number of households where parents are known to cohabit

Non-cohabiting parent participation rate 64.0%  
 Number of non-cohabiting parent questionnaires completed/number of households where a non-cohabiting parent is known to exist

<b>Reference parent cohabits with other parent</b>			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	2	0.1%
Incomplete	No contact	32	1.3%
<b>Completed</b>	Will not participate	379	14.9%
<b>Completed</b>	Not applicable (1)	-	
<b>Completed</b>	Not completed	41	1.6%
<b>Completed (by other parent) (2)</b>	Not completed	25	1.0%
<b>Completed</b>	Incomplete	-	
<b>Completed</b>	<b>Completed</b>	<b>2,062</b>	<b>81.1%</b>
Total		2,541	100.0%
Total reference parent completed		2,507	98.7%
Total "other parent" completed		2,062	96.9%

when contacted		
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(1) Not applicable: outside protocol (child in alternating custody)

(2) Part of the cohabiting parent questionnaire completed by the reference parent

Reference parent does not cohabit with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	-	
Not completed	Not completed	-	
Not completed	Incomplete	-	
Not completed	<b>Completed</b>	<b>7</b>	1.9%
Incomplete	No contact	8	2.1%
<b>Completed</b>	Not applicable (1)	39	10.4%
<b>Completed</b>	Not completed	108	28.8%
<b>Completed</b>	Incomplete	5	1.3%
<b>Completed</b>	<b>Completed</b>	<b>208</b>	55.5%
Total		375	100%
Total reference parent completed		360	96%
Total "other parent" completed when contacted		208	67.0%

(1) Not applicable: No other parent to survey

**Wave 3:** 3,995 households to contact:

Reference parent participation rate 79.2%

Number of reference questionnaires completed/number of households to contact

Cohabiting parent participation rate 78.2%

Number of cohabiting parent questionnaires completed/number of households where parents are known to cohabit

Non-cohabiting parent participation rate 61.5%

Number of non-cohabiting parent questionnaires completed/number of households where a non-cohabiting parent is known to exist

Reference parent cohabits with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	3	0.1%
Incomplete	No contact	39	1.4%
<b>Completed</b>	Will not participate	509	18.0%
<b>Completed</b>	Not applicable (1)	1	0.0%
<b>Completed</b>	Not completed	41	1.5%
<b>Completed (by other parent) (2)</b>	Not completed	23	0.8%
<b>Completed</b>	Incomplete	-	
<b>Completed</b>	<b>Completed</b>	<b>2,211</b>	78.2%
Total		2,827	100.0%
Total reference parent completed		2,785	98.5%

Total "other parent" completed when contacted	2,211	97.2%
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(1) Not applicable: outside protocol (child in alternating custody)

(2) Part of the cohabiting parent questionnaire completed by the reference parent

Reference parent does not cohabit with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	3	0.7%
Not completed	Not completed		
Not completed	Incomplete		
Not completed	<b>Completed</b>	12	2.9%
Incomplete	No contact	17	4.1%
<b>Completed</b>	Not applicable (1)	40	9.7%
<b>Completed</b>	Not completed	120	29.2%
<b>Completed</b>	Incomplete	3	0.7%
<b>Completed</b>	<b>Completed</b>	<b>216</b>	<b>52.6%</b>
Total		411	100%
Total reference parent completed		379	92%
Total "other parent" completed when contacted		216	67.3%

(1) Not applicable: No other parent to survey

#### Wave 4:

**4,287** households to contact:

Reference parent participation rate 78.5%

Number of reference questionnaires completed/number of households to contact

Cohabiting parent participation rate 77.0%

Number of cohabiting parent questionnaires completed/number of households where parents are known to cohabit

Non-cohabiting parent participation rate 57.8%

Number of non-cohabiting parent questionnaires completed/number of households where a non-cohabiting parent is known to exist

Reference parent cohabits with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	8	0.3%
Incomplete	No contact	48	1.6%
<b>Completed</b>	Will not participate	547	18.1%
<b>Completed</b>	Not applicable (1)	1	0.0%
<b>Completed</b>	Not completed	68	2.3%
<b>Completed (by other parent) (2)</b>	Not completed	20	0.7%
<b>Completed</b>	Incomplete	2	0.1%
<b>Completed</b>	<b>Completed</b>	<b>2,323</b>	<b>77.0%</b>
Total		3,017	100.0%



Total reference parent completed	2,961	98.1%
Total "other parent" completed when contacted	2,323	96.3%

(1) Not applicable: outside protocol (child in alternating custody)

(2) Part of the cohabiting parent questionnaire completed by the reference parent

Reference parent does not cohabit with other parent			
Participation of reference parent	Participation of other parent	N	%
Not completed	No contact	1	0.2%
Not completed	Not completed		0.0%
Not completed	Incomplete	1	0.2%
Not completed	<b>Completed</b>	12	2.8%
Incomplete	No contact	15	3.5%
<b>Completed</b>	Not applicable (1)	55	12.7%
<b>Completed</b>	Not completed	135	31.3%
<b>Completed</b>	Incomplete	7	1.6%
<b>Completed</b>	<b>Completed</b>	<b>206</b>	<b>47.7%</b>
Total		432	100%
Total reference parent completed		403	93%
Total "other parent" completed when contacted		206	62.6%