

Final report for granted project

Submission Date	2017-05-02 01:36:40
Date of sending out the form:	10-03-2017
Contact person/applicant:	Dita Baumanė-Auza
Country	Latvia
E-mail	dita@auzaart.lv
Title of the granted project	Obtaining information about contraception among Latvian women at the age from 18-40.
Amount granted by the ESC (in euro)	7350
Project number:	P-2015-B-02
Allocated mentor:	T. Bombas
Date project actually started:	01-04-2016
Date of completion:	30-04-2017

Please provide a report of your findings and data.

Project: Obtaining Information about Contraception among Latvian Women at the Age from 18-40

FINAL REPORT

The study was carried out in three stages. 1. Initially a theoretical basis and structure of the survey, including survey items in the Latvian and Russian languages, were elaborated. 2. Double testing of survey items was carried out in empiric pilot studies: self-validity and content validity were determined; psychometric analysis of survey items was carried out; the first and the second decision regarding inclusion/ exclusion of certain items in the survey were made. 3. Implementation of the study: testing the Latvian and Russian-speaking respondents; randomized stratified sample (residents of urban and rural areas); psychometric analysis of items: testing reliability; determining statistical characteristics; determining statistically significant differences of inter-group results; and determining statistically significant correlations of various criteria. The survey was carried out in presence of trained health-care specialists.

Elaboration of the survey was started in April 2016. Initially basic factors, which influence formation of how contraception, including the hormonal one, is being perceived, were defined.

Five basic factors were defined:

1. Awareness of hormonal contraception obtained from the doctor;
2. Obtaining information about contraception at school;
3. Obtaining information about contraception in the Internet;
4. Assessment of contraception price;
5. 60 articles were elaborated allowing to define respondents' notion of side effects from using hormonal contraception found out from a doctor, the Internet, in conversations with friends and also from the personal experience.

The survey articles was chosen to be in an affirmation form, which allows applying united Likert assessment scale with differentiated values for all the articles:

- 3 – agree;
- 2 – agree partially;
- 1 – disagree partially;
- 0 – disagree.

As the next step, from 30 May 2016 till 31 June 2016, the first version of the survey with 152 articles in Latvian and Russian languages was elaborated.

The survey included an informative chapter where the following information about respondents was included:

1. age;
2. gender;
3. place of living;
4. education;
5. profession;
6. religious affiliation;
7. family status;
8. questions related to information what kind of contraception is familiar to respondents and which one they use.

Testing self-validity was carried out by interviewing 4 representatives of a target audience – 2 women from the Latvian target audience and 2 women from the Russian-speaking target audience. As a result of those interviews 7 articles were excluded from the survey as problematic for comprehension. Also reaction index of the articles was determined and it resulted in exclusion of 11 more articles.

For content validity testing 2 contraception experts were involved: Dr. Dita Baumane-Auza and Dr. Ingūna Kārklīņa, who recognized 131 article as valid and 3 articles as improper. As a result of self-validity and content validity testing 131 articles remained in the survey.

During the first testing, 36 Latvian-speaking and 32 Russian-speaking respondents were surveyed. Testing was carried out according to psychometric principles (testing reliability with calculation of Kronbach–Alpha coefficient; defining compliance to the normal distribution according to Kolmogorov– Smirnov Z criterion; calculation of descriptive statistics). In July 2016, after summarizing results of the survey testing, additional 27 articles were excluded, and the first decision about the survey with 104 articles was accepted.

From 6 September till 3 October 2016, the second survey with 126 Latvian-speaking and 101 Russian-speaking respondents was carried out.

From 10 October till 17 November 2016, results of the second survey were summarized, and the secondary survey testing according to psychometric principles (testing reliability with calculation of Kronbach–Alpha coefficient; defining compliance to the normal distribution according to Kolmogorov– Smirnov Z criterion; calculation of descriptive statistics) was carried out.

After the secondary testing of the survey results according to psychometric principles, additional 19 articles were excluded, and the second decision about the survey with 85 articles was accepted.

From 21 November 2016 till 10 January 2017, the final survey was carried out.

In total 2052 respondents from Riga district and 4 main cities of Latvia – Daugavpils, Liepaja, Valmiera and Riga, were surveyed.

199 questionnaires were invalidated as they were filled in inadequately or incompletely. Thus 1853 questionnaires – 987 – in the Latvian language and 866 – in the Russian language, remained for the processing results.

Data input of the final survey took place from 12 January 2017 till 27 February 2017. Data processing and analysis lasted from 1 March till 20 April 2017.

The survey was carried out by:

Dita Baumane-Auza, Dr.
Marija Vāciete, PhD
Ingūna Kārklīņa, Dr.
Irina Simoņenkova, PhD
Oļena Fjodorova, PhD
Anna Dobičina, Dr.
Anna Gogele

The main results of the survey are related to conclusions regarding the following blocks of questions:

1. Statistically significant indicators prove that recommendations of health care specialists (doctors) play a great role in the choice of contraception.
2. Statistically significant indicators prove that the more information about hormonal contraception is provided by a doctor, the better is perception of contraception price.
3. Statistically significant indicators prove that the notion about contraception is being formed out of information obtained from the Internet.
4. Statistically significant indicators prove that doctors' recommendations about hormonal contraception are lesser followed in big cities than in small towns.
5. Statistically significant indicators prove that thanks to education at schools, perception of contraception is more favourable. More attention is being paid to doctors' viewpoint, and information about contraception is being searched in the Internet less.
6. Statistically significant indicators prove that information about contraception is received at schools more in big cities than in small towns.
7. Statistically significant indicators prove that contraception price is better perceived at the age between 17 and 28 than at the age between 29 and 40.
8. Statistically significant indicators prove that contraception side effects are being actualized at the age between 17 and 28 more than at the age between 29 and 40.
9. There are no statistically significant differences in viewpoints regarding contraception, including the hormonal one, and side effects of the hormonal contraception between the Latvian-speaking and Russian-speaking samples.

It is planned to present the results of the survey at the ESC Congress in Budapest, in 2018, and also in the Latvian Doctors Congress.

Please provide a final detailed budget on how much you have spent. Was any money not spent? Receipts may be requested

request.

Latvian Psychosomatic and Reproductive Health development foundation, research project "Obtaining information about contraception among Latvian woman at the age from 18-40
Registration number: 40008199036
Financial report 24. 03.2016.-30.04.2017.
Nr Data Document number Amount Currency Recipient Komentārs
1 2016.03.24 59 370,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for developing structure and questionnaire's articles for the research
2 2016.03.25 60 370,00 EUR Vācietė Marija Invoice Nr. PA-1 payment for developing structure and questionnaire's articles for the research
3 2016.03.31 62 110,52 EUR Valsts kase Personal income tax
4 2016.04.21 64 375,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for developing questionnaire's articles and verification the questionnaire's articles for the research
5 2016.04.21 63 375,00 EUR Vācietė Marija Invoice Nr. PA-2 payment for developing structure and questionnaire's articles for the research
6 2016.04.25 65 90,75 EUR PREISA UN PURIŅA SIA Accounting services
7 2016.05.01 66 110,52 EUR State Treasury Personal income tax
8 2016.05.01 68 370,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for verification the 1st. stage of research
9 2016.05.01 67 370,00 EUR Vācietė Marija Invoice Nr. PA-3 payment in accordance with the agreement for verification the 1st. stage of research
10 2016.05.01 69 112,01 EUR State Treasury Personal income tax
11 2016.06.17 71 370,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for providing survey according to psychometry principles 1st. stage
12 2016.06.17 70 370,00 EUR Vācietė Marija Invoice Nr. PA-4 payment for providing survey according to psychometry principles 1st. stage
13 2016.06.17 72 110,52 EUR State Treasury Personal income tax
14 2016.07.29 74 370,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for collecting results according to psychometry principles 1st. stage
15 2016.07.29 73 370,00 EUR Vācietė Marija Invoice Nr. PA-5 payment for collecting results according to psychometry principles 1st. stage
16 2016.07.29 75 110,52 EUR State Treasury Personal income tax
17 2016.10.01 77 370,00 EUR Baumanė-Auza Dita Author's fee payment in accordance with the agreement for developing structure and questionnaire's articles for the research 2st.stage
18 2016.10.01 76 370,00 EUR Vācietė Marija Invoice Nr. PA-6 for developing structure and questionnaire's articles for the research 2st.stage
19 2016.10.01 78 110,52 EUR State Treasury Personal income tax
20 2017.01.12. 79 280,00 EUR Vagnere Antra Author's fee payment in accordance with the agreement for providing the research
21 2017.01.12. 80 83,64 EUR State Treasury Personal income tax
22 2017.01.09. 81 264,00 EUR Vācietė Marija Invoice Nr. PA-7 for data input and processing the results according to psychometry principles
23 2017.02.10. 82 264,75 EUR Vācietė Marija Invoice Nr. PA-8 for data input and introduction and processing the results according to psychometry principles
24 2017.03.11. 83 369,50 EUR Vācietė Marija Invoice Nr. PA-9 for data input and processing the results according to psychometry principles
25 2017.04.04. 84 150,00 EUR Šnėbaha Alise Data input for the research
26 2017.04.05. 85 370,25 EUR Vācietė Marija Invoice Nr. PA-10 for processing the results according to psychometry principles
27 2017.04.29. 86 362,50 EUR Vācietė Marija Invoice Nr. PA-11 for processing the results of survey
Total 7350,00

SELF-FINANCING

1 547,43 Publishing House UADŅET SIA- advertising for research
2 65,00 FORMULA SIA-paper costs, cartridges for printer
3 31,82 Swedbank AS- banking services
4 90,75 PREISA UN PURIŅA SIA- accounting services

Total 735,00

How will your findings be presented?	Publication in journal Presentation Latvian Doctors congress and Latvian Society of Gynecologists and Obstetricians
Was your paper published? Indicate journal and acceptance date	Not yet.
Presentation – note meeting organisation and date	Not yet known. ESC Congress in Budapest Latvian Doctors congress Latvian Society of Gynecologists and Obstetricians
Add any other information you feel we should have	Thank you very much for supporting this research project, which is very important for Latvia to understand why population still now do not use safe contraception. It will help in discussions with state authorities to introduce at schools more knowledges about safe contraception and to talk in professional level with health care specialists how to improve the level of knowledges.
Full Name	Dita Baumanė-Auza
Date	02-05-2017
	info@escrh.eu