(Affix Label Here)

Participant ID: _____

Participant Name Code: _____

Date Form Initiatied (e.g., 10JUN2005):

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d   d   m   m   m   y   y   y   y

Date Form Completed (e.g., 10JUN2005):

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
d   d   m   m   m   y   y   y   y

Interviewer Code: ☐ ☐ ☐

Please Circle Field Center Location:
BU   CU   DK   UP

LLFS Family Longevity Score (FLoSS) Instrument
Control Subjects (FLSI-c)
[UP & BU Pilot Only]

Interviewer Script: *Now I would like to ask you some questions about family. Please feel free to tell me if you don't know the answer to a question, but please try to answer to the best of your knowledge. I am going to ask about* your *brothers and sisters, your biological parents, your biological grand parents. We are using the word "biological"* to mean individuals that are related to you by birth, that is, they share a blood relationship with you. *Please note that none of the study investigators will attempt to identify or contact specific family members based on the relationship information you provide.*

1a.   How many full-brothers and sisters do *[you/he or she]* have? Include those that are living and those that are deceased. Remember, please answer for blood relationships only.

     _____ Full-Brothers   _____ Full-Sisters

1b.   How many half-brothers and sisters do *[you/he or she]* have? Include those that are living and those that are deceased. Remember, please answer for blood relationships only.

     _____ Half-Brothers   _____ Half-Sisters

Interviewer Script: *First, I'm going to ask you some questions about each of your biological brothers and sisters. I'm going to ask you the questions in order of oldest to youngest. Let's begin.*

2a.   Is your <u>oldest</u> sibling a full- or half-brother or sister?

     ☐¹ ....Full Brother   ☐³ ....Half Brother
     ☐² ....Full Sister   ☐⁴ ....Half Sister

2b.   Is this *[brother/sister]* still living?

     ☐¹ ....Yes
     ☐⁰ ....No   **Go to Q2d**
     ☐ᴰ ....Don't Know   **Go to Q3a**

2c.   What is *[his/her]* current age in years? ____ ____ ____ years   i**f Don't Know, enter 999**

*Interviewer Note***:** *If brother or sister is deceased:*

2d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

2e.   What was *[his/her]* year of birth? ____ ____ ____ ____

2f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

   ☐¹.................................Yes
   ☐⁰.................................No
   ☐ᴰ.................................Don't Know
   ☐ᴿ.................................Refused

3a.   Is your <u>second oldest</u> sibling a full- or half-brother or sister?

   ☐¹.................................Full Brother   ☐³.................................Half Brother
   ☐².................................Full Sister   ☐⁴.................................Half Sister

3b.   Is this *[brother/sister]* still living?

   ☐¹.................................Yes
   ☐⁰.................................No   **Go to Q3d**
   ☐ᴰ.................................Don't Know   **Go to Q4a**

3c.   What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

3d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

3e.   What was *[his/her]* year of birth? ____ ____ ____ ____

3f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

   ☐¹.................................Yes
   ☐⁰.................................No
   ☐ᴰ.................................Don't Know
   ☐ᴿ.................................Refused

4a.   Is your <u>third oldest</u> sibling a full- or half-brother or sister?

☐¹...............................Full Brother   ☐³...............................Half Brother
☐²...............................Full Sister   ☐⁴...............................Half Sister

4b.   Is this *[brother/sister]* still living?

☐¹...............................Yes
☐⁰...............................No   **Go to Q4d**
☐ᴰ...............................Don't Know   **Go to Q5a**

4c.   What is *[his/her]* current age in years? ____ ____ ____ years if **Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

4d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

4e.   What was *[his/her]* year of birth? ____ ____ ____ ____

4f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹...............................Yes
☐⁰...............................No
☐ᴰ...............................Don't Know
☐ᴿ...............................Refused

5a.   Is your <u>fourth oldest</u> sibling a full- or half-brother or sister?

☐¹...............................Full Brother   ☐³...............................Half Brother
☐²...............................Full Sister   ☐⁴...............................Half Sister

5b.   Is this *[brother/sister]* still living?

☐¹...............................Yes
☐⁰...............................No   **Go to Q5d**
☐ᴰ...............................Don't Know   **Go to Q6a**

5c.   What is *[his/her]* current age in years? ____ ____ ____ years if **Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

5d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

5e.   What was *[his/her]* year of birth? ____ ____ ____ ____

5f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐¹ ....Yes
    ☐⁰ ....No
    ☐ᴰ ....Don't Know
    ☐ᴿ ....Refused

6a.   Is your <u>fifth oldest</u> sibling a full- or half-brother or sister?

    ☐¹ ....Full Brother   ☐³ ....Half Brother
    ☐² ....Full Sister   ☐⁴ ....Half Sister

6b.   Is this *[brother/sister]* still living?

    ☐¹ ....Yes
    ☐⁰ ....No   **Go to Q6d**
    ☐ᴰ ....Don't Know   **Go to Q7a**

6c.   What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

6d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

6e.   What was *[his/her]* year of birth? ____ ____ ____ ____

6f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐¹ ....Yes
    ☐⁰ ....No
    ☐ᴰ ....Don't Know
    ☐ᴿ ....Refused

7a.   Is your <u>sixth oldest</u> sibling a full- or half-brother or sister?

    ☐¹ ....Full Brother   ☐³ ....Half Brother
    ☐² ....Full Sister   ☐⁴ ....Half Sister

7b.   Is this *[brother/sister]* still living?

    ☐¹ ....Yes
    ☐⁰ ....No   **Go to Q7d**
    ☐ᴰ ....Don't Know   **Go to Q8a**

7c.   What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

7d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

7e.   What was *[his/her]* year of birth? ____ ____ ____ ____

7f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

8a.   Is your <u>seventh oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

8b.   Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q8d**
☐ᴰ ....Don't Know **Go to Q9a**

8c.   What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

8d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

8e.   What was *[his/her]* year of birth? ____ ____ ____ ____

8f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

9a.   Is your <u>eighth oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

9b.   Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q9d**
☐ D ....Don't Know   **Go to Q10a**

9c.   What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

9d.   What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

9e.   What was *[his/her]* year of birth?   ____ ____ ____ ____

9f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

10a. Is your <u>ninth oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

10b. Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q10d**
☐ D ....Don't Know   **Go to Q11a**

10c. What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

10d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

10e. What was *[his/her]* year of birth?   ____ ____ ____ ____

10f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

11a. Is your <u>tenth oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

11b. Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q11d**
☐ D ....Don't Know   **Go to Q12a**

11c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If brother or sister is deceased:

11d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

11e. What was *[his/her]* year of birth? ____ ____ ____ ____

11f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

Interviewer: If the Screenee has more than 10 biological siblings, please use additional forms to record the information for these brothers and sisters.

Interviewer Script: Now, I'm going to ask you some questions about your biological mother, your biological mother's brothers and sisters, and your biological father's parents (your maternal grandparents).

12a. Has your biological mother (the woman that gave birth you) passed away?

☐ 1 ....Yes
☐ 0 ....No   **If still living, please Go to Q12e**
☐ D ....Don't Know   **Go to Q13a**

12b.   What was her age at time of death?   ____ ____ ____ years   **If Don't Know, enter 999**

12c.   What was her year of death?   ____ ____ ____ ____

12d.   Did she die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

   □ 1 ....Yes
   □ 0 ....No
   □ D ....Don't Know
   □ R ....Refused

Interviewer: If biological mother is still living:

12e.   What is her current age in years?   ____ ____ ____ years   **If Don't Know, enter 999**

12f.   What was her year of birth?   ____ ____ ____ ____

Interviewer Script: Now, I'd like to ask you about your biological mother's brothers and sisters, that is, your maternal aunts and uncles. Remember: Please feel free to tell me if you don't know the answer to a question, but please try to give your best guess.

13a.   Is your mother's <u>oldest</u> sibling a full- or half-brother or sister?

   □ 1 ....Full Brother   □ 3 ....Half Brother
   □ 2 ....Full Sister   □ 4 ....Half Sister

13b.   Is this *[brother/sister]* still living?

   □ 1 ....Yes
   □ 0 ....No   **Go to Q13d**
   □ D ....Don't Know   **Go to Q14a**

13c.   What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer Note: If mother's brother or sister is deceased:

13d.   What was *[his/her]* age at time of death?   ____ ____ ____ years   **If Don't Know, enter 999**

13e.   What was *[his/her]* year of birth?   ____ ____ ____ ____

13f.   Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

   □ 1 ....Yes
   □ 0 ....No
   □ D ....Don't Know
   □ R ....Refused

14a. Is your mother's <u>second oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

14b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q14d**
☐ᴰ ....Don't Know   **Go to Q15a**

14c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

14d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

14e. What was *[his/her]* year of birth? ____ ____ ____ ____

14f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

15a. Is your mother's <u>third oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

15b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q15d**
☐ᴰ ....Don't Know   **Go to Q16a**

15c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

15d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

15e. What was *[his/her]* year of birth? ____ ____ ____ ____

15f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

16a. Is your mother's <u>fourth oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

16b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q16d**
☐ᴰ ....Don't Know   **Go to Q17a**

16c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

16d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

16e. What was *[his/her]* year of birth? ____ ____ ____ ____

16f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

17a. Is your mother's <u>fifth oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

17b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q17d**
☐ᴰ ....Don't Know   **Go to Q18a**

17c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Participant ID: _____   **Participant Name Code:** _____

Interviewer: If mother's brother or sister is deceased:

17d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

17e. What was *[his/her]* year of birth?   ____ ____ ____ ____

17f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

18a. Is your mother's <u>sixth oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

18b. Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q18d**
☐ D ....Don't Know   **Go to Q19a**

18c. What is *[his/her]* current age in years?   ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

18d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

18e. What was *[his/her]* year of birth?   ____ ____ ____ ____

18f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

19a. Is your mother's <u>seventh oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

19b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q19d**
☐ᴰ ....Don't Know   **Go to Q20a**

19c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

19d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

19e. What was *[his/her]* year of birth? ____ ____ ____ ____

19f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

20a. Is your mother's <u>eighth oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

20b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q20d**
☐ᴰ ....Don't Know   **Go to Q21a**

20c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

20d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

20e. What was *[his/her]* year of birth? ____ ____ ____ ____

20f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐1 ....Yes
☐0 ....No
☐D ....Don't Know
☐R ....Refused

21a. Is your mother's <u>ninth oldest</u> sibling a full- or half-brother or sister?

☐1 ....Full Brother   ☐3 ....Half Brother
☐2 ....Full Sister   ☐4 ....Half Sister

21b. Is this *[brother/sister]* still living?

☐1 ....Yes
☐0 ....No   **Go to Q21d**
☐D ....Don't Know   **Go to Q22a**

21c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

21d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

21e. What was *[his/her]* year of birth? ____ ____ ____ ____

21f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐1 ....Yes
☐0 ....No
☐D ....Don't Know
☐R ....Refused

22a. Is your mother's <u>tenth oldest</u> sibling a full- or half-brother or sister?

☐1 ....Full Brother   ☐3 ....Half Brother
☐2 ....Full Sister   ☐4 ....Half Sister

22b. Is this *[brother/sister]* still living?

☐1 ....Yes
☐0 ....No   **Go to Q22d**
☐D ....Don't Know   **Go to Q23a**

22c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If mother's brother or sister is deceased:

22d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

22e. What was *[his/her]* year of birth? ____ ____ ____ ____

22f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐ 1 ....Yes
    ☐ 0 ....No
    ☐ D ....Don't Know
    ☐ R ....Refused

Interviewer: If the participant's mother has more than 10 biological siblings, please use additional forms to record the information for these brothers and sisters.

Interviewer Script: Now, I'd like to ask you about your biological mother's parents, that is, your maternal grandmother and grandfather. Remember: Please feel free to tell me if you don't know the answer to a question, but please try to give your best guess.

23a. Has your biological maternal grandmother (your mother's natural mother) passed away?

    ☐ 1 ....Yes
    ☐ 0 ....No   **If still living, please Go to Q23e**
    ☐ D ....Don't Know **Go to Q24a**

23b. What was her age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

23c. What was her year of death? ____ ____ ____ ____

23d. Did she die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐ 1 ....Yes
    ☐ 0 ....No
    ☐ D ....Don't Know
    ☐ R ....Refused

Interviewer: If biological maternal grandmother is still living:

23e. What is her current age in years? ____ ____ ____ years   **If Don't Know, enter 999**

23f. What was her year of birth? ____ ____ ____ ____

24a. Has your biological maternal grandfather (your mother's natural father) passed away?

<div style="margin-left:2em;">

☐¹ ....Yes

☐⁰ ....No   **If still living, please Go to Q24e**

☐ᴰ ....Don't Know   **Go to Q25a**

</div>

24b. What was his age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

24c. What was his year of death? ____ ____ ____ ____

24d. Did he die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

<div style="margin-left:2em;">

☐¹ ....Yes

☐⁰ ....No

☐ᴰ ....Don't Know

☐ᴿ ....Refused

</div>

Interviewer: If biological maternal grandfather is still living:

24e. What is his current age in years? ____ ____ ____ years   **If Don't Know, enter 999**

24f. What was his year of birth? ____ ____ ____ ____

Interviewer Script: Finally, I'm going to ask you some questions about your biological father, your biological father's brothers and sisters and your biological father's parents (your paternal grandparents).

25a. Has your biological father passed away? Remember, please answer for blood relationships only, not a stepfather.

<div style="margin-left:2em;">

☐¹ ....Yes

☐⁰ ....No   **If still living, please Go to Q25e**

☐ᴰ ....Don't Know   **Go to Q26a**

</div>

25b. What was his age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

25c. What was his year of death? ____ ____ ____ ____

25d. Did he die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes".]*

<div style="margin-left:2em;">

☐¹ ....Yes

☐⁰ ....No

☐ᴰ ....Don't Know

☐ᴿ ....Refused

</div>

Participant ID: _____   **Participant Name Code:** _____

Interviewer: If biological father is still living:

25e. What is his current age in years? ____ ____ ____ years   **If Don't Know, enter 999**

25f. What was his year of birth? ____ ____ ____ ____

Interviewer Script: Now, I'd like to ask you about your biological father's brothers and sisters, that is, your paternal aunts and uncles. Remember: Please feel free to tell me if you don't know the answer to a question, but please try to give your best guess.

26a. Is your father's <u>oldest</u> sibling a full- or half-brother or sister?

☐¹...................................Full Brother   ☐³...................................Half Brother
☐²...................................Full Sister   ☐⁴...................................Half Sister

26b. Is this *[brother/sister]* still living?

☐¹...................................Yes
☐⁰...................................No   **Go to Q26d**
☐ᴰ...................................Don't Know   **Go to Q27a**

26c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer Note: If father's brother or sister is deceased:

26d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

26e. What was *[his/her]* year of birth? ____ ____ ____ ____

26f. Did *[he/she]* die as a result of an accident, injury or war? *[**Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]***

☐¹...................................Yes
☐⁰...................................No
☐ᴰ...................................Don't Know
☐ᴿ...................................Refused

27a. Is your father's <u>second oldest</u> sibling a full- or half-brother or sister?

☐¹...................................Full Brother   ☐³...................................Half Brother
☐²...................................Full Sister   ☐⁴...................................Half Sister

27b. Is this *[brother/sister]* still living?

☐¹...................................Yes
☐⁰...................................No   **Go to Q27d**
☐ᴰ...................................Don't Know   **Go to Q28a**

27c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

27d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

27e. What was *[his/her]* year of birth? ____ ____ ____ ____

27f. Did *[he/she]* die as a result of an accident, injury or war? *[**Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]**

    ☐1 ....Yes
    ☐0 ....No
    ☐D ....Don't Know
    ☐R ....Refused

28a. Is your father's <u>third oldest</u> sibling a full- or half-brother or sister?

    ☐1 ....Full Brother   ☐3 ....Half Brother
    ☐2 ....Full Sister   ☐4 ....Half Sister

28b. Is this *[brother/sister]* still living?

    ☐1 ....Yes
    ☐0 ....No   **Go to Q28d**
    ☐D ....Don't Know   **Go to Q29a**

28c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

28d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

28e. What was *[his/her]* year of birth? ____ ____ ____ ____

28f. Did *[he/she]* die as a result of an accident, injury or war? *[**Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]**

    ☐1 ....Yes
    ☐0 ....No
    ☐D ....Don't Know
    ☐R ....Refused

29a. Is your father's <u>fourth oldest</u> sibling a full- or half-brother or sister?

    ☐1 ....Full Brother   ☐3 ....Half Brother
    ☐2 ....Full Sister   ☐4 ....Half Sister

29b. Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q29d**
☐ D ....Don't Know   **Go to Q30a**

29c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: **If father's brother or sister is deceased:**

29d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

29e. What was *[his/her]* year of birth? ____ ____ ____ ____

29f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer:* **If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]**

☐ 1 ....Yes
☐ 0 ....No
☐ D ....Don't Know
☐ R ....Refused

30a. Is your father's <u>fifth oldest</u> sibling a full- or half-brother or sister?

☐ 1 ....Full Brother   ☐ 3 ....Half Brother
☐ 2 ....Full Sister   ☐ 4 ....Half Sister

30b. Is this *[brother/sister]* still living?

☐ 1 ....Yes
☐ 0 ....No   **Go to Q30d**
☐ D ....Don't Know   **Go to Q31a**

30c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: **If father's brother or sister is deceased:**

30d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

30e. What was *[his/her]* year of birth? ____ ____ ____ ____

30f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

31a. Is your father's <u>sixth oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

31b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q31d**
☐ᴰ ....Don't Know   **Go to Q32a**

31c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

<u>Interviewer: If father's brother or sister is deceased:</u>

31d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

31e. What was *[his/her]* year of birth? ____ ____ ____ ____

31f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

☐¹ ....Yes
☐⁰ ....No
☐ᴰ ....Don't Know
☐ᴿ ....Refused

32a. Is your father's <u>seventh oldest</u> sibling a full- or half-brother or sister?

☐¹ ....Full Brother   ☐³ ....Half Brother
☐² ....Full Sister   ☐⁴ ....Half Sister

32b. Is this *[brother/sister]* still living?

☐¹ ....Yes
☐⁰ ....No   **Go to Q32d**
☐ᴰ ....Don't Know   **Go to Q33a**

32c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

32d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

32e. What was *[his/her]* year of birth? ____ ____ ____ ____

32f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐¹...............................Yes
    ☐⁰...............................No
    ☐ᴰ...............................Don't Know
    ☐ᴿ...............................Refused

33a. Is your father's <u>eighth oldest</u> sibling a full- or half-brother or sister?

    ☐¹...............................Full Brother   ☐³...............................Half Brother
    ☐²...............................Full Sister   ☐⁴...............................Half Sister

33b. Is this *[brother/sister]* still living?

    ☐¹...............................Yes
    ☐⁰...............................No   **Go to Q33d**
    ☐ᴰ...............................Don't Know   **Go to Q34a**

33c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

33d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

33e. What was *[his/her]* year of birth? ____ ____ ____ ____

33f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

    ☐¹...............................Yes
    ☐⁰...............................No
    ☐ᴰ...............................Don't Know
    ☐ᴿ...............................Refused

34a. Is your father's <u>ninth oldest</u> sibling a full- or half-brother or sister?

    ☐¹...............................Full Brother   ☐³...............................Half Brother
    ☐²...............................Full Sister   ☐⁴...............................Half Sister

34b. Is this *[brother/sister]* still living?

  ☐ 1 ....Yes
  ☐ 0 ....No   **Go to Q34d**
  ☐ D ....Don't Know   **Go to Q35a**

34c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

34d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

34e. What was *[his/her]* year of birth? ____ ____ ____ ____

34f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

  ☐ 1 ....Yes
  ☐ 0 ....No
  ☐ D ....Don't Know
  ☐ R ....Refused

35a. Is your father's <u>tenth oldest</u> sibling a full- or half-brother or sister?

  ☐ 1 ....Full Brother   ☐ 3 ....Half Brother
  ☐ 2 ....Full Sister   ☐ 4 ....Half Sister

35b. Is this *[brother/sister]* still living?

  ☐ 1 ....Yes
  ☐ 0 ....No   **Go to Q35d**
  ☐ D ....Don't Know   **Go to Q36a**

35c. What is *[his/her]* current age in years? ____ ____ ____ years i**f Don't Know, enter 999**

Interviewer: If father's brother or sister is deceased:

35d. What was *[his/her]* age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

35e. What was *[his/her]* year of birth? ____ ____ ____ ____

35f. Did *[he/she]* die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

  ☐ 1 ....Yes
  ☐ 0 ....No
  ☐ D ....Don't Know
  ☐ R ....Refused

Participant ID: _____ **Participant Name Code:** _____

Interviewer: If the participant's father has more than 10 biological siblings, please use additional forms to record the information for these brothers and sisters.

Interviewer Script: Now, I'd like to ask you about your biological father's parents, that is, your paternal grandmother and grandfather. Remember: Please feel free to tell me if you don't know the answer to a question, but please try to give your best guess.

36a. Has your biological paternal grandmother (your father's natural mother) passed away?

      ☐¹ ....Yes
      ☐⁰ ....No   **If still living, please Go to Q36e**
      ☐ᴰ ....Don't Know   **Go to Q37a**

36b. What was her age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

36c. What was her year of birth? ____ ____ ____ ____

36d. Did she die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

      ☐¹ ....Yes
      ☐⁰ ....No
      ☐ᴰ ....Don't Know
      ☐ᴿ ....Refused

Interviewer: If biological paternal grandmother is still living:

36e. What is her current age in years? ____ ____ ____ years   **If Don't Know, enter 999**

36f. What was her year of birth? ____ ____ ____ ____

37a. Has your biological paternal grandfather (your father's natural father) passed away?

      ☐¹ ....Yes
      ☐⁰ ....No   **If still living, please Go to Q37e**
      ☐ᴰ ....Don't Know   **End Interview**

37b. What was his age at time of death? ____ ____ ____ years   **If Don't Know, enter 999**

37c. What was his year of birth? ____ ____ ____ ____

37d. Did he die as a result of an accident, injury or war? *[Interviewer: If death is result of murder or suicide, answer "Yes"; if death occurred during childbirth, answer "No".]*

      ☐¹ ....Yes
      ☐⁰ ....No
      ☐ᴰ ....Don't Know
      ☐ᴿ ....Refused

Interviewer: If biological paternal grandfather is still living:

37e. What is his current age in years? ____ ____ ____ years   **If Don't Know, enter 999**

37f. What was his year of birth? ____ ____ ____ ____