# SECTION E

Now I have some questions about events that happen to everyone at some time. I'd like to know if any of the ie events happened to you or to anyone close to you, like your husband, parents, brothers or sisters, a child, ir a close friend, during the period from three months before the pregnancy began through the first three month of the pregnancy, that is, from (ENTER DATES) _____/_____ to _____/_____.

E-1.   Did anyone with whom you were very close die during this period?

<div align="right">

Yes. . . . . . . . . . . . . . . . . 1 (E-2)
No . . . . . . . . . . . . . . . . . 2 (E-3)
Don't know . . . . . . . . . . . . . 8 (E-3)

</div>

E-2.   Who was it that died during that time period?  (CIRCLE ALL THAT APPLY.)

<div align="right">

Husband. . . . . . . . . . . . . . . 1
Parent . . . . . . . . . . . . . . . 1
Brother/Sister . . . . . . . . . . . 1
Child. . . . . . . . . . . . . . . . 1
Grandparent. . . . . . . . . . . . . 1
Close friend . . . . . . . . . . . . 1
Other (SPECIFY) _____ 1

</div>

E-3.   Were you or was anyone close to you either separated or divorced during that period?

<div align="right">

Yes. . . . . . . . . . . . . . . . . 1 (E-4)
No . . . . . . . . . . . . . . . . . 2 (E-5)
Don't know . . . . . . . . . . . . . 8 (E-5)

</div>

E-4.   Who was it that was separated or divorced during that period?  (CIRCLE ALL THAT APPLY.)

<div align="right">

Respondent . . . . . . . . . . . . . 1
Parent . . . . . . . . . . . . . . . 1
Brother/Sister . . . . . . . . . . . 1
Child. . . . . . . . . . . . . . . . 1
Close friend . . . . . . . . . . . . 1
Other (SPECIFY) _____ 1

</div>

E-5.   Did you or anyone close to you lose a job during that time?

<div align="right">

Yes. . . . . . . . . . . . . . . . . 1 (E-6)
No . . . . . . . . . . . . . . . . . 2 (SECTION ?)
Don't know . . . . . . . . . . . . . 8 (SECTION ?)

</div>

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E-6.   Who lost a job at that time?  (CIRCLE ALL THAT APPLY.)

Respondent . . . . . . . . . . . . . . . 1
Husband. . . . . . . . . . . . . . . . 1
Parent . . . . . . . . . . . . . . . . 1
Brother/Sister . . . . . . . . . . . . . 1
Child. . . . . . . . . . . . . . . . . 1
Close friend . . . . . . . . . . . . . 1
Other (SPECIFY) _____ 1

_____

# SECTION F

Now I have some questions about your family.


F-1.    Do you have, or did you ever have any full brothers or sisters?

                                            Yes. . . . . . . . . . . . . . . . . . 1 (F-2)
                                            No . . . . . . . . . . . . . . . . . . 2 (F-3)
                                            Don't know . . . . . . . . . . . . . . 8 (F-9)


F-2.    How many full brothers and sisters have you had?

                                            _____
                                               # OF SIBLINGS


F-3.    Did you have any full brothers or sisters who died before the age of one year old that you (may
        have forgotten/forgot to include in the [NUMBER FROM F-2] that you mentioned)?

                                            Yes. . . . . . . . . . . . . . . . . . 1 (F-4)
                                            No . . . . . . . . . . . . . . . . . . 2 (BOX 3)
                                            Don't know . . . . . . . . . . . . . . 8 (BOX 3)


F-4.    How many full brothers or sisters did you forget to mention?

                                            _____
                                               # OF SIBLINGS


        ┌─────────────────────────────────────────────────┐
        │  BOX 3.   IF R HAS NO SIBLINGS, GO TO F-9.       │
        │           IF R HAS SIBLINGS, CONTINUE.           │
        └─────────────────────────────────────────────────┘


F-5.    Did (your brother or sister/either of your brothers or sisters/any of your [TOTAL NUMBER FROM F-2
        AND F-4] brothers or sisters) have a health problem at birth or a birth defect that was diagnosed
        during the first year of life?

                                            Yes. . . . . . . . . . . . . . . . . . 1 (F-6)
                                            No . . . . . . . . . . . . . . . . . . 2 (F-9)
                                            Don't know . . . . . . . . . . . . . . 8 (F-9)


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(ASK F-6 THROUGH F-8,
AS APPROPRIATE FOR EACH
SIBLING LISTED IN F-2
AND/OR F-4.)

| | | SIBLING #1 | SIBLING #2 | SIBLING #3 |
|---|---|---|---|---|
| F-6. | Did your (1st/2nd/ etc.) brother or sister have a health problem at birth or a birth defect that was diagnosed during the first year of life? | Yes. . . . . . 1 (F-7) <br> No . . . . . . 2 (NEXT <br> Don't know . . 8 SIBLING <br> OR F-9) | Yes. . . . . . 1 (F-7) <br> No . . . . . . 2 (NEXT <br> Don't know . . 8 SIBLING <br> OR F-9) | Yes. . . . . . 1 (F-7) <br> No . . . . . . 2 (NEXT <br> Don't know . . 8 SIBLING <br> OR F-9) |
| F-7. | What was the problem? (RECORD VERBATIM.) | _____ <br> _____ <br> Stillborn. . . 96 (NEXT <br> SIBLING <br> OR F-9) | _____ <br> _____ <br> Stillborn. . . 96 (NEXT <br> SIBLING <br> OR F-9) | _____ <br> _____ <br> Stillborn. . . 96 (NEXT <br> SIBLING <br> OR F-9) |
| F-8. | Did your brother or sister die from that problem? | Yes. . . . . . 1 <br> No . . . . . . 2 <br> Don't know . . 8 | Yes. . . . . . 1 <br> No . . . . . . 2 <br> Don't know . . 8 | Yes. . . . . . 1 <br> No . . . . . . 2 <br> Don't know . . 8 |

F-9.    Did your mother have a health problem at birth or a birth defect that was diagnosed during the
        first year of life?

                                    Yes. . . . . . . . . . . . . . . . . 1 (F-10)
                                    No . . . . . . . . . . . . . . . . . 2 (F-11)
                                    Don't know . . . . . . . . . . . . . 8 (F-11)

F-10.   What type of problem did she have?   (RECORD VERBATIM.)

        _____

                                    Don't know . . . . . . . . . . . . . 98

F-11.   Did your father have a health problem at birth or a birth defect that was diagnosed during the first
        year of life?

                                    Yes. . . . . . . . . . . . . . . . . 1 (F-12)
                                    No . . . . . . . . . . . . . . . . . 2 (INTRO. TO F-13)
                                    Don't know . . . . . . . . . . . . . 8 (INTRO. TO F-13)

F-12.   What type of problem did he have?   (RECORD VERBATIM.)

        _____

                                    Don't know . . . . . . . . . . . . . 98

Now I have some questions about the father of the pregnancy that ended in (DOIB) and about his family.

F-13. First, when was he born?

                /        /             (F-14)

          MONTH       DAY       YEAR

Don't know . . . . . . . . . . . 989898 (F-13a)

    F-13a. How old was he at the time your pregnancy ended in (DOIB)?

                                 AGE

F-14. Did the father of the pregnancy have a health problem at birth or a birth defect that was diagnosed during the first year of life?

Yes. . . . . . . . . . . . . . . . . . 1 (F-15)
No . . . . . . . . . . . . . . . . . . 2 (F-16)
Don't know . . . . . . . . . . . . . . 8 (F-16)

F-15. What type of problem did he have?  (RECORD VERBATIM.)

Don't know . . . . . . . . . . . . . . 98

F-16. Does he have, or did he ever have any full brothers or sisters?

Yes. . . . . . . . . . . . . . . . . . 1 (F-17)
No . . . . . . . . . . . . . . . . . . 2 (F-18)
Don't know . . . . . . . . . . . . . . 8 (F-24)

F-17. How many full brothers or sisters has he had?

                    # OF SIBLINGS

Don't know. . . . . . . . 98

F-18. Did he have any full brothers or sisters who died before the age of one year old that you (may have forgotten/forgot to include in the [NUMBER FROM F-17] that you mentioned)?

Yes. . . . . . . . . . . . . . . . . . 1 (F-19)
No . . . . . . . . . . . . . . . . . . 2 (BOX 4)
Don't know . . . . . . . . . . . . . . 8 (BOX 4)

F-19. How many full brothers or sisters did you forget to mention?

                    # OF SIBLINGS

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┌─────────────────────────────────────────────────────────────┐
│ BOX 4.  IF FATHER HAS NO SIBLINGS, GO TO F-24.               │
│         IF FATHER HAS SIBLINGS, CONTINUE.                    │
└─────────────────────────────────────────────────────────────┘
```

F-20.  Did (his brother or sister/either of his brothers or sisters/any of his [TOTAL NUMBER FROM F-17 AND
       F-19] brothers or sisters) have a health problem at birth or a birth defect that was diagnosed during
       the first year of life?

                                                Yes. . . . . . . . . . . . . . . . . . 1 (F-21)
                                                No . . . . . . . . . . . . . . . . . . 2 (F-24)
                                                Don't know . . . . . . . . . . . . . . 8 (F-24)

(ASK F-21 THROUGH F-23,
AS APPROPRIATE, FOR EACH
SIBLING LISTED IN F-17

| AND/OR F-19.) | SIBLING #1 | SIBLING #2 | SIBLING #3 |
|---|---|---|---|
| F-21. Did his (1st/2nd/ etc.) brother or sister have a health problem at birth or a birth defect that was diagnosed during the first year of life? | Yes. . . . . . 1 (F-22)<br>No . . . . . . 2 ⌐(NEXT<br>Don't know . . 8 ⌐SIBLING<br>　　　　　　　　　OR F-24) | Yes. . . . . . 1 (F-22)<br>No . . . . . . 2 ⌐(NEXT<br>Don't know . . 8 ⌐SIBLING<br>　　　　　　　　　OR F-24) | Yes. . . . . . 1 (F-22)<br>No . . . . . . 2 ⌐(NEXT<br>Don't know . . 8 ⌐SIBLING<br>　　　　　　　　　OR F-24) |
| F-22. What was the problem? (RECORD VERBATIM.) | _____<br>_____<br>_____<br>Stillborn. . . 96 (NEXT<br>　　　　　　　　　SIBLING<br>　　　　　　　　　OR F-24) | _____<br>_____<br>_____<br>Stillborn. . . 96 (NEXT<br>　　　　　　　　　SIBLING<br>　　　　　　　　　OR F-24) | _____<br>_____<br>_____<br>Stillborn. . . 96 (NEXT<br>　　　　　　　　　SIBLING<br>　　　　　　　　　OR F-24 |
| F-23. Did his brother or sister die from that problem? | Yes. . . . . . 1<br>No . . . . . . 2<br>Don't know . . 8 | Yes. . . . . . 1<br>No . . . . . . 2<br>Don't know . . 8 | Yes. . . . . . 1<br>No . . . . . . 2<br>Don't know . . 8 |

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F-24. Did his mother have a health problem at birth or a birth defect that was diagnosed during the first
year of life?

                              Yes. . . . . . . . . . . . . . . . . . . 1 (F-25)
                              No . . . . . . . . . . . . . . . . . . . 2 (F-26)
                              Don't know . . . . . . . . . . . . . . . 8 (F-26)


F-25. What type of problem did she have?  (RECORD VERBATIM.)

        _____

                              Don't know . . . . . . . . . . . . . . . 98


F-26. Did his father have a health problem at birth or a birth defect that was diagnosed during the first
year of life?

                              Yes. . . . . . . . . . . . . . . . . . . 1 (F-27)
                              No . . . . . . . . . . . . . . . . . . . 2 (SECTION ;)
                              Don't know . . . . . . . . . . . . . . . 8 (SECTION ;)


F-27. What type of problem did he have?  (RECORD VERBATIM.)

        _____

                              Don't know . . . . . . . . . . . . . . . 98


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## SECTION G

Now, thinking about the two years just before (DOIB), that is, from (DOIB) back to (ENTER DATE)
_____/_____, . . . I'd like to get a complete history of the jobs that the father of the
pregnancy that ended in (DOIB) held in those two years, if any, and the times when he was not
working, such as, when he was a student or was looking for work.

| (ASK G-1 THROUGH G-5, AS APPROPRIATE, FOR EACH TIME PERIOD.) | FIRST TIME PERIOD |
|---|---|
| G-1. (At the time your pregnancy ended in [DOIB],/and before that,) was the father of the pregnancy working in a job for at least ten hours a week, or was he looking for work, a student, or something else? (CIRCLE ALL THAT APPLY. FOLLOW SKIP FOR LOWEST CODE CIRCLED.) | Job. . . . . . . . . . . 1 (G-2) <br> Looking for work . . . . 2 (G-5) <br> Student. . . . . . . . . 3 (G-5) <br> Homemaking . . . . . . . 4 (G-5) <br> Something else (SPECIFY) 5 (G-5) <br> _____ <br> _____ |
| G-2. What was his occupation then, that is, what was his job called? | _____ <br> _____ |
| G-3. What were his most important activities or duties? | _____ <br> _____ <br> _____ <br> _____ |
| G-4. What kind of place was he working for, that is, what did they make or do? (IF ARMY, NAVY, ETC., PROBE FOR WHETHER MEMBER OF ARMED FORCES, CIVIL SERVANT, OR CONTRACTOR AND RECORD.) | _____ <br> _____ <br> _____ <br> _____ |
| G-5. In what month and year did he start (working there/looking for work/being a student/etc.) that time? | _____/_____ <br> MONTH    YEAR |

```
BOX 5.  ● IF DATE IN G-5 is LATER THAN (DOIB -- 2 YEARS), RETURN TO G-1 FOR NEXT TIME PERIOD.

        ● IF FATHER HAS BEEN A STUDENT FOR ENTIRE TIME PERIOD, PROBE BY ASKING:
          Did he ever have a job for at least ten hours a week during the period from
          (DOIB) to (DOIB - 2 YEARS)?

              - IF "YES," RECORD IN SECOND TIME PERIOD.

              - IF "NO," CONTINUE WITH BOX 6.

        ● IF JOB HISTORY IS COMPLETE FOR TWO YEARS PRECEDING DOIB, CONTINUE WITH BOX 6.
```

| SECOND TIME PERIOD | THIRD TIME PERIOD | FOURTH TIME PERIOD |
|---|---|---|
| Job. . . . . . . . . . . 1 (G-2)<br>Looking for work . . . . 2 (G-5)<br>Student. . . . . . . . . 3 (G-5)<br>Homemaking . . . . . . . 4 (G-5)<br>Something else (SPECIFY) 5 (G-5) | Job. . . . . . . . . . . 1 (G-2)<br>Looking for work . . . . 2 (G-5)<br>Student. . . . . . . . . 3 (G-5)<br>Homemaking . . . . . . . 4 (G-5)<br>Something else (SPECIFY) 5 (G-5) | Job. . . . . . . . . . . 1 (G-2)<br>Looking for work . . . . 2 (G-5)<br>Student. . . . . . . . . 3 (G-5)<br>Homemaking . . . . . . . 4 (G-5)<br>Something else (SPECIFY) 5 (G-5) |
| _____/_____<br>MONTH    YEAR | _____/_____<br>MONTH    YEAR | _____/_____<br>MONTH    YEAR |

IF FATHER WAS STUDENT FOR ENTIRE
PERIOD, ASK:

And in what month and year did
he stop working there?

_____/_____
MONTH    YEAR

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BOX 6.  IF R MENTIONED THAT FATHER OF DOIB PREGNANCY WAS IN MILITARY, GO TO
        INTRODUCTION BEFORE G-7.  OTHERWISE, CONTINUE.
```

G-6.   Did the father of the (DOIB) pregnancy ever serve in the military, like in the army, navy, marines,
       air force, coast guard, national guard or one of the reserves?

                                             Yes. . . . . . . . . . . . . . . . . 1 (INTRO. TO G-7)
                                             No . . . . . . . . . . . . . . . . . 2 (G-23)
                                             Don't know . . . . . . . . . . . . . 8 (G-23)


(You mentioned that the father of the pregnancy that ended in [DOIB] served in the military.)  I am interested
now in getting some information about all the times he served in the military.

G-7.   When he first entered military service, did he volunteer or was he drafted?

                                             Volunteered. . . . . . . . . . . . . 1 (G-8)
                                             Drafted. . . . . . . . . . . . . . . 2 (G-8)
                                             ROTC . . . . . . . . . . . . . . . . 3 (G-7a)
                                             Don't know . . . . . . . . . . . . . 8 (G-8)


G-7a.  Did he ever serve in the military other than when he was in ROTC?

                                             Yes. . . . . . . . . . . . . . . . . 1 (G-7b)
                                             No . . . . . . . . . . . . . . . . . 2 (G-23)
                                             Don't know . . . . . . . . . . . . . 8 (G-23)


G-7b.  When he entered military service, other than when he was in ROTC, did he volunteer or was he
       drafted?

                                             Volunteered. . . . . . . . . . . . . 1
                                             Drafted. . . . . . . . . . . . . . . 2
                                             Don't know . . . . . . . . . . . . . 8


G-8.   For how many different continuous periods of time did he serve in the military?

                                         _____    (G-9)
                                                   # OF TIMES

                                             Don't know . . . . . . . . . . . . . 98 (G-9)
```


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(ASK G-9 THROUGH G-11 FOR EACH PERIOD OF SERVICE.)

| | FIRST PERIOD | SECOND PERIOD | THIRD PERIOD |
|---|---|---|---|
| G-9. In what month and year did he start his (first/second/etc.) period of service? | _____/_____ <br> MONTH    YEAR <br> Don't know . . . . . 9898 | _____/_____ <br> MONTH    YEAR <br> Don't know . . . . . 9898 | _____/_____ <br> MONTH    YEA! <br> Don't know . . . . 9898 |
| G-10. In which branch did he serve that time? Was it the . . . | Army, . . . . . . . . . 01 <br> Army Reserves, . . . . 02 <br> Navy, . . . . . . . . . 03 <br> Navy Reserves, . . . . 04 <br> Air Force, . . . . . . 05 <br> Air Force Reserves, . . 06 <br> Marines, . . . . . . . 07 <br> Marine Reserves, . . . 08 <br> Coast Guard, . . . . . 09 <br> Or, National Guard? . . 10 <br><br> Don't know . . . . . . 98 | Army, . . . . . . . . . 01 <br> Army Reserves, . . . . 02 <br> Navy, . . . . . . . . . 03 <br> Navy Reserves, . . . . 04 <br> Air Force, . . . . . . 05 <br> Air Force Reserves, . . 06 <br> Marines, . . . . . . . 07 <br> Marine Reserves, . . . 08 <br> Coast Guard, . . . . . 09 <br> Or, National Guard? . . 10 <br><br> Don't know . . . . . . 98 | Army, . . . . . . . . . 01 <br> Army Reserves, . . . . 02 <br> Navy, . . . . . . . . . 03 <br> Navy Reserves, . . . . 04 <br> Air Force, . . . . . . 05 <br> Air Force Reserves, . . 06 <br> Marines, . . . . . . . 07 <br> Marine Reserves, . . . 08 <br> Coast Guard, . . . . . 09 <br> Or, National Guard? . . 10 <br><br> Don't know . . . . . . 98 |
| G-11. In what month and year did that period of service end? | _____/_____ <br> MONTH    YEAR <br> Don't know . . . . . 9898 | _____/_____ <br> MONTH    YEAR <br> Don't know . . . . . 9898 | _____/_____ <br> MONTH    YEA! <br> Don't know . . . . 9898 |

G-12. Was he ever in Southeast Asia when he was in the military?

```
                                        Yes. . . . . . . . . . . . . . . . . 1 (G-13)
                                        No . . . . . . . . . . . . . . . . . 2 (G-23)
                                        Don't know . . . . . . . . . . . . . 8 (G-23)
```

G-13. Was that in Vietnam, Thailand, or some other place? (CIRCLE ALL THAT APPLY. FOLLOW SKIP FOR LOWEST CODE CIRCLED.)

```
                                        Vietnam. . . . . . . . . . . . . . . 1 (G-13a)
                                        Thailand . . . . . . . . . . . . . . 2 (G-23)
                                        Some other place (SPECIFY) . . . . . 3 (G-23)
```

_____

_____

```
                                        Don't know . . . . . . . . . . . . . 8 (G-23)
```

G-13a. Was he stationed in Vietnam?

```
                                        Yes. . . . . . . . . . . . . . . . . 1 (G-14)
                                        No . . . . . . . . . . . . . . . . . 2 (G-13b)
                                        Don't know . . . . . . . . . . . . . 8 (G-14)
```

G-13b. What did he do in Vietnam? (RECORD VERBATIM.)

```
    _____

    _____ (G-22)

    _____
```

G-14. Did he volunteer to serve in Vietnam?

```
                                        Yes. . . . . . . . . . . . . . . . . 1
                                        No . . . . . . . . . . . . . . . . . 2
                                        Don't know . . . . . . . . . . . . . 8
```

G-15. How many different tours of duty did he spend in Vietnam?

```
                                        _____
                                                # OF TOURS

                                        Don't know. . . . . . . 98
```

(ASK G-16 THROUGH G-21 FOR
EACH TOUR OF DUTY.)

| | FIRST TOUR OF DUTY | SECOND TOUR OF DUTY | THIRD TOUR OF DUTY |
|---|---|---|---|
| G-16. In what month and year did he begin his (first/second/etc.) tour of duty in Vietnam? | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 |
| G-17. What was the name of the unit in which he served during that tour of duty? That is, which corps, battalion, company, platoon, wing, . . .? (RECORD VERBATIM.) | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 |
| G-17a. What kind of unit was that, for instance, infantry, artillery, signal battalion, intelligence unit, or what? (RECORD VERBATIM.) | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 |
| G-18. On that tour of duty was he located in the cities, the large bases in the country-side, the jungle, or somewhere else? (CIRCLE ALL THAT APPLY.) | Cities . . . . . . . . 1<br>Bases in country . . . 1<br>Jungle . . . . . . . . 1<br>Other (SPECIFY). . . . 1<br>_____<br>_____<br>_____<br>Don't know . . . . . . 8 | Cities . . . . . . . . 1<br>Bases in country . . . 1<br>Jungle . . . . . . . . 1<br>Other (SPECIFY). . . . 1<br>_____<br>_____<br>_____<br>Don't know . . . . . . 8 | Cities . . . . . . . .<br>Bases in country . . .<br>Jungle . . . . . . . .<br>Other (SPECIFY). . . .<br>_____<br>_____<br>_____<br>Don't know . . . . . . |
| G-19. Where in Vietnam was he located on that tour of duty, for instance, in what section of the country was he, or what were the names of places or areas near where he served? (RECORD VERBATIM.) | _____<br>_____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 98 | _____<br>_____<br>_____<br>_____<br>_____<br>Don't know . . . . . . 8 |
| G-20. What was his job on that tour of duty, that is, what did he do there? (RECORD VERBATIM.) | _____<br>_____<br>_____<br>Don't know . . . . . 998 | _____<br>_____<br>_____<br>Don't know . . . . . 998 | _____<br>_____<br>_____<br>Don't know . . . . . 998 |
| G-21. In what month and year did his (first/second/etc.) tour of duty end? | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 | ___/___<br>MONTH    YEAR<br>Don't know . . . . . 9898 |

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G-22.  Did he ever come in contact with Agent Orange while he was in Vietnam?

                                              Yes. . . . . . . . . . . . . . . . . . 1
                                              No . . . . . . . . . . . . . . . . . . 2
                                              Don't know . . . . . . . . . . . . . . 8


G-23.  Was the father of that pregnancy ever in Vietnam for some reason other than military service?

                                              Yes. . . . . . . . . . . . . . . . . . 1 (G-24)
                                              No . . . . . . . . . . . . . . . . . . 2 (G-29)
                                              Don't know . . . . . . . . . . . . . . 8 (G-29)


G-24.  What did he do in Vietnam (when he was there for something other than military service)?
       (RECORD VERBATIM.)

       _____

                                              Don't know . . . . . . . . . . . . . . 998


G-25.  Was he located in the cities, the large bases in the countryside, the jungle, or somewhere else
       (that time)?  (CIRCLE ALL THAT APPLY.)

                                              Cities . . . . . . . . . . . . . . . . 1
                                              Bases in country . . . . . . . . . . . 1
                                              Jungle . . . . . . . . . . . . . . . . 1
                                              Other (SPECIFY). . . . . . . . . . . . 1

                                              _____

                                              _____

                                              Don't know . . . . . . . . . . . . . . 8


G-26.  In what month and year did he go to Vietnam (that time)?

                                              _____/_____
                                               MONTH      YEAR

                                              Don't know. . . . . . . 9898


G-27.  In what month and year did he leave Vietnam (that time)?

                                              _____/_____
                                               MONTH      YEAR

                                              Don't know. . . . . . . 9898


G-28.  Did he ever come in contact with Agent Orange while he was in Vietnam (that time)?

                                              Yes. . . . . . . . . . . . . . . . . . 1
                                              No . . . . . . . . . . . . . . . . . . 2
                                              Don't know . . . . . . . . . . . . . . 8

G-29.  Were you ever in Vietnam?

                                        Yes. . . . . . . . . . . . . . . . . . 1 (G-30)
                                        No . . . . . . . . . . . . . . . . . . 2 (SECTION H)


G-30.  What did you do in Vietnam, that is, were you in the military, the Red Cross, AID, the USO, or what?

                                        Military . . . . . . . . . . . . . . . 1 (G-31)
                                        Red Cross. . . . . . . . . . . . . . . 2 (G-33)
                                        AID. . . . . . . . . . . . . . . . . . 3 (G-33)
                                        USO. . . . . . . . . . . . . . . . . . 4 (G-33)
                                        Other (SPECIFY) _____ 5 (G-33)

                                        _____


G-31.  In which branch of the military did you serve in Vietnam?  Was it the Army, Navy, Air Force, or what?

                                        _____
                                                    BRANCH


G-32.  What was the name of the unit in which you served while you were there?  That is, which corps,
       battalion, company, platoon, wing, . . . ?

                                        _____
                                                     UNIT

                                        Don't know. . . . . . . . 98


G-33.  Were you located in the cities, large bases in the countryside, the jungle or somewhere else?
       (CIRCLE ALL THAT APPLY.)

                                        Cities . . . . . . . . . . . . . . . . 1
                                        Bases in country . . . . . . . . . . . 1
                                        Jungle . . . . . . . . . . . . . . . . 1
                                        Other (SPECIFY) _____ 1

                                        _____

                                        Don't know . . . . . . . . . . . . . . 8


G-34.  In what month and year did you first go to Vietnam?

                                        _____/_____
                                        MONTH     YEAR


G-35.  In what month and year did you leave Vietnam?

                                        _____/_____
                                        MONTH     YEAR

# SECTION H

Now I have some questions about long lasting illnesses that the father of the pregnancy may have had.

| (ASK H-1 THROUGH H-5, AS APPROPRIATE, FOR EACH ILLNESS) | Underactive thyroid (Hypothyroidism) | | |
|---|---|---|---|
| H-1. At any time before (DOIB), was he ever diagnosed as having (ILLNESS)? | Yes. . . . . . . . 1 (H-2)<br>No . . . . . . . . 2 (NEXT ILLNESS)<br>Don't know . . . . 8 (NEXT ILLNESS) | | |
| H-2. How old was he when (ILLNESS) was first diagnosed by a doctor? (RECORD VERBATIM.) | AGE: _____<br><br>At birth . . . . . 96<br>Don't know . . . . 98 | | |
| H-3. Did he take any medicines that a doctor prescribed for (ILLNESS)? | Yes. . . . . . . . 1 (H-4)<br>No . . . . . . . . 2 (NEXT ILLNESS)<br>Don't know . . . . 8 (NEXT ILLNESS) | | |
| | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
| H-4. What were the names of the medicines that he took for (ILLNESS)? (RECORD EACH MEDICATION IN A SEPARATE COLUMN.) | DK..... 98 | DK..... 98 | DK.... 98 |
| (ASK H-5 FOR EACH MEDICATION.)<br>H-5. For how long did he take (MEDICATION)? (RECORD VERBATIM.) | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 |

| Overactive thyroid (Hyperthyroidism) | | | Diabetes Mellitus or Sugar Diabetes | | | High blood pressure | | |
|---|---|---|---|---|---|---|---|---|
| Yes. . . . . . . . 1 (H-2) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-2) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-2) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | |
| AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | | AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | | AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | |
| Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | |
| MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
| DK..... 98 | DK..... 98 | DK.... 98 | DK..... 98 | DK..... 98 | DK.... 98 | DK..... 98 | DK..... 98 | DK..... 93 |
| Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 95 <br> DK.... 93 |

| (ASK H-1 THROUGH H-5, AS APPROPRIATE, FOR EACH ILLNESS) | Rheumatic heart disease | | |
|---|---|---|---|
| H-1. At any time before (DOIB), was he ever diagnosed as having (ILLNESS)? | Yes. . . . . . . . 1 (H-2)<br>No . . . . . . . . 2 (NEXT ILLNES:<br>Don't know . . . . 8 (NEXT ILLNES: | | |
| H-2. How old was he when (ILLNESS) was first diagnosed by a doctor? (RECORD VERBATIM.) | AGE: _____<br>At birth . . . . . 96.<br>Don't know . . . . 98 | | |
| H-3. Did he take any medicines that a doctor prescribed for (ILLNESS)? | Yes. . . . . . . . 1 (H-4)<br>No . . . . . . . . 2 (NEXT ILLNES :<br>Don't know . . . . 8 (NEXT ILLNES : | | |
| H-4. What were the names of the medicines that he took for (ILLNESS)? (RECORD EACH MEDICATION IN A SEPARATE COLUMN.) | MEDICINE #1 | MEDICINE #2 | MEDICIN #3 |
| | DK..... 98 | DK..... 98 | DK.... ¹ |
| (ASK H-5 FOR EACH MEDICATION.)<br>H-5. For how long did he take (MEDICATION)? (RECORD VERBATIM.) | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using ¹<br>DK.... ¹ |

| Any heart disease, like holes in the heart, that is, VSD or ASD or any other heart disease | | | Epilepsy or seizures | | | Asthma | | |
|---|---|---|---|---|---|---|---|---|
| Yes. . . . . . . 1 (H-2) <br> No . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . 1 (H-2) <br> No . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . 1 (H-2) <br> No . . . . . . . 2 (H-6) <br> Don't know . . . 8 (H-6) | | |
| AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | | AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | | AGE: _____ <br> At birth . . . . . 96 <br> Don't know . . . . 98 | | |
| Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (NEXT ILLNESS) <br> Don't know . . . . 8 (NEXT ILLNESS) | | | Yes. . . . . . . . 1 (H-4) <br> No . . . . . . . . 2 (H-6) <br> Don't know . . . . 8 (H-6) | | |
| MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
| DK..... 98 | DK..... 98 | DK.... 98 | DK..... 98 | DK..... 98 | DK.... 98 | DK..... 98 | DK..... 98 | DK.... 98 |
| Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 |

H-6.   At any time before (DOIB), was he ever          Yes. . . . . . . . . . . . . . . . . . 1 (H-7)
       diagnoosed as having cancer?                    No . . . . . . . . . . . . . . . . . . 2 (H-14)
                                                       Don't know . . . . . . . . . . . . . . 8 (H-14)


H-7.   How old was he when his cancer was first
       diagnosed by a doctor?  (RECORD VERBATIM.)      _____
                                                                     AGE

                                                       At birth. . . . . . . . . 96
                                                       Don't know. . . . . . . . 98


H-8.   Did he take any medicines that a doctor         Yes. . . . . . . . . . . . . . . . . . 1 (H-9)
       prescribed for cancer?                          No . . . . . . . . . . . . . . . . . . 2 (H-11)
                                                       Don't know . . . . . . . . . . . . . . 8 (H-11)


|                                                                              | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
|------------------------------------------------------------------------------|-------------|-------------|-------------|
| H-9.  What were the names of the medicines that he took for cancer?  (RECORD EACH MEDICATION IN A SEPARATE COLUMN.) | DK..... 98 | DK..... 98 | DK.... 98 |
| H-10. For how long did he take (MEDICATION)?  (RECORD VERBATIM.)              | Rest of life. 95 Still using 96 DK.... 98 | Rest of life. 95 Still using 96 DK.... 98 | Rest of life. 95 Still using 96 DK.... 98 |


H-11.  Did he receive any other kind of               Yes. . . . . . . . . . . . . . . . . . 1 (H-12)
       treatment for cancer?                           No . . . . . . . . . . . . . . . . . . 2 (H-14)
                                                       Don't know . . . . . . . . . . . . . . 8 (H-14)


H-12.  What kind of treatment was this?               X-ray or radiation treatment . . . . . . 1 (H-13)
       (CIRCLE ALL THAT APPLY.  FOLLOW                 Surgery. . . . . . . . . . . . . . . . . 2 (H-14)
       SKIP FOR LOWEST CODE CIRCLED.)                  Special diet . . . . . . . . . . . . . . 3 (H-14)
                                                       Other treatment (SPECIFY). . . . . . . . 4 (H-14)

                                                       _____

                                                       Don't know . . . . . . . . . . . . . . 8 (H-14)


H-13.  About how many times altogether did he
       have (x-ray/radiation) treatments for           _____
       cancer?                                                    # OF TIMES

                                                       Don't know. . . . . . . . 98


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H-14. At any time before (DOIB), was he ever diagnosed as having any other long lasting illness?

Yes. . . . . . . . . . . . . . . . . . 1 (H-15)
No . . . . . . . . . . . . . . . . . . 2 (INTRO. TC H-20)
Don't know . . . . . . . . . . . . . . 8 (INTRO. TC H-20)

| | ILLNESS #1 | | |
|---|---|---|---|
| H-15. What illness was that? (RECORD EACH LONG LASTING ILLNESS IN IN A SEPARATE COLUMN.) | | | |
| (ASK H-16 THROUGH H-19, AS APPROPRIATE, FOR EACH ILLNESS.) <br> H-16. How old was he when (ILLNESS) was first diagnosed by a doctor? (RECORD VERBATIM.) | AGE <br> At birth . . . . . 96 | | |
| H-17. Did he take any medicines that a doctor prescribed for (ILLNESS)? | Yes. . . . . . . 1 (H-18) <br> No . . . . . . . . 2 (NEXT ILLNESS OR <br> Don't know . . . 8 INTRO. TO H-20) | | |
| | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
| H-18. What were the names of the medicines that he took for (ILLNESS)? (RECORD EACH MEDICATION IN A SEPARATE COLUMN.) | DK..... 98 | DK..... 98 | DK.... 98 |
| (ASK H-19 FOR EACH MEDICATION.) <br> H-19. For how long did he take (MEDICATION)? (RECORD VERBATIM.) | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 | Still using 96 <br> DK.... 98 |

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| ILLNESS #2 | | | ILLNESS #3 | | | ILLNESS #4 | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| AGE | | | AGE | | | AGE | | |
| At birth . . . . . 96 | | | At birth . . . . . 96 | | | At birth . . . . . 96 | | |
| Yes. . . . . . . 1 (H-18)<br>No . . . . . . . 2 (NEXT ILLNESS OR<br>Don't know . . . 8 INTRO. TO H-20) | | | Yes. . . . . . . 1 (H-18)<br>No . . . . . . . 2 (NEXT ILLNESS OR<br>Don't know . . . 8 INTRO. TO H-20) | | | Yes. . . . . . . 1 (H-18)<br>No . . . . . . . 2 (NEXT ILLNESS OR<br>Don't know . . . 8 INTRO. TO H-20) | | |
| MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 | MEDICINE #1 | MEDICINE #2 | MEDICINE #3 |
| DK..... 98 | DK..... 98 | DK.... 98 | DK..... 98 | DK.... 98 | DK.... 98 | DK..... 98 | DK..... 98 | DK.... 98 |
| Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 | Still<br>using 96<br>DK.... 98 |

Now I have some more questions about the father of the pregnancy that ended in (DOIB) and about what he did right around the time that the pregnancy started.


H-20.   During the period from three months before the pregnancy started through the first three months of th: pregnancy, did the father of the pregnancy smoke cigarettes?

                                         Yes. . . . . . . . . . . . . . . . . . 1 (H-21)
                                         No . . . . . . . . . . . . . . . . . . 2 (INTRO. TO 1-25)
                                         Don't know . . . . . . . . . . . . . . 8 (INTRO. TO 1-25)


H-21.   In which months during this period did he smoke cigarettes?   (CIRCLE ALL THAT APPLY.)

                                         3rd month before pregnancy began . . . . 1
                                         2nd month before pregnancy began . . . . 1
                                         1st month before pregnancy began . . . . 1
                                         1st month of pregnancy . . . . . . . . . 1
                                         2nd month of pregnancy . . . . . . . . . 1
                                         3rd month of pregnancy . . . . . . . . . 1

                                         Don't know . . . . . . . . . . . . . . 8


H-22.   Did he usually smoke low-tar cigarettes, another type of filtered cigarette or unfiltered cigarettes?

                                         Low-tar cigarettes . . . . . . . . . . . 1
                                         Other filtered cigarettes. . . . . . . . 2
                                         Unfiltered cigarettes. . . . . . . . . . 3
                                         Don't know . . . . . . . . . . . . . . 8


H-23.   (When he smoked) during this period, about how many cigarettes did he smoke in a day?

                                         Less than one a day. . . . . . . . . . . 01
                                         About one a day. . . . . . . . . . . . . 02
                                         Just a few (2-4) . . . . . . . . . . . . 03
                                         About half a pack (5-14) . . . . . . . . 04
                                         About a pack (15-24) . . . . . . . . . . 05
                                         About a pack and a half (25-34). . . . . 06
                                         About 2 packs (35-44). . . . . . . . . . 07
                                         More than 2 packs (45+). . . . . . . . . 08
                                         Don't know . . . . . . . . . . . . . . . 98


H-24.   Did he usually inhale?

                                         Yes. . . . . . . . . . . . . . . . . . 1
                                         No . . . . . . . . . . . . . . . . . . 2
                                         Don't know . . . . . . . . . . . . . . 8


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The next questions are about alcoholic beverages.

H-25. During the period from three months before the pregnancy began through the first three months of the
      pregnancy, did the father ever drink beer, wine, or hard liquor?

                                        Yes. . . . . . . . . . . . . . . . . . 1 (H-26)
                                        No . . . . . . . . . . . . . . . . . . 2 (INTRO. TO H-3ı)
                                        Don't know . . . . . . . . . . . . . . 8 (INTRO. TO H-3ı)

H-26. In which months during this period did he drink beer, wine, or hard liquor?  (CIRCLE ALL THAT APPLY.)

                                        3rd month before pregnancy began . . . . 1
                                        2nd month before pregnancy began . . . . 1
                                        1st month before pregnancy began . . . . 1
                                        1st month of pregnancy . . . . . . . . . 1
                                        2nd month of pregnancy . . . . . . . . . 1
                                        3rd month of pregnancy . . . . . . . . . 1

                                        Don't know . . . . . . . . . . . . . . 8

H-27. During that time, about how often did he drink beer, wine, or hard liquor?  Would you say it was . . .

                                        Less than 1 day a week,. . . . . . . . . 1
                                        1 or 2 days a week,. . . . . . . . . . . 2
                                        Every other day, . . . . . . . . . . . . 3
                                        Or, every day? . . . . . . . . . . . . . 4

                                        Don't know . . . . . . . . . . . . . . 8

H-28. On the days that he drank beer, wine, or hard liquor, about how many drinks did he have in a day?

                                        _____
                                               # OF DRINKS

                                        Don't know. . . . . . . . 98

H-29. During that time, about how often did he have five or more drinks of beer, wine, or hard liquor at one
      particular time?  Would you say it was . . .

                                        Every day, . . . . . . . . . . . . . . . 1
                                        Every other day, . . . . . . . . . . . . 2
                                        Once or twice a week,. . . . . . . . . . 3
                                        Once every couple of weeks,. . . . . . . 4
                                        Or, once a month or less often?. . . . . 5

                                        Never. . . . . . . . . . . . . . . . . . 6
                                        Don't know . . . . . . . . . . . . . . . 8

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Now I have some questions about drugs you or the father may have used during the time from three months before the pregnancy began through the first three months of the pregnancy. As I go through these questions, feel free to tell me if you don't want to answer.

| (ASK H-30 FOR EACH DRUG. THEN GO BACK AND ASK H-31 AND H-32 FOR EACH DRUG USED IN H-30.) | Marijuana | Hashish |
|---|---|---|
| H-30. During that time did the father ever try (DRUG)? | Yes. . . . . . . 1 }(NEXT<br>No . . . . . . . 2 }DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1 }(NEXT<br>No . . . . . . . 2 }DRUG)<br>Don't know . . . 8 |
| H-31. In which months during this period did he use (DRUG)? (CIRCLE ALL THAT APPLY.) | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 |
| H-32. How often did he use (DRUG) during this period? Was it . . . | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 |

| Hallucinogenics, like LSD, acid, or mescaline | Cocaine | Heroin | Methadone |
|---|---|---|---|
| Yes. . . . . . . 1<br>No . . . . . . . 2 }(NEXT DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1<br>No . . . . . . . 2 }(NEXT DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1<br>No . . . . . . . 2 }(NEXT DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1<br>No . . . . . . . 2 }(BO<br>Don't know . . . 8 9 |
| 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . .<br>2nd month before<br>  pregnancy began. . .<br>1st month before<br>  pregnancy began. . .<br>1st month of<br>  pregnancy. . . . . .<br>2nd month of<br>  pregnancy. . . . . .<br>3rd month of<br>  pregnancy. . . . . .<br><br>Don't know . . . . . . 1 |
| Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . .<br>1 or 2 days a week,. .<br>Every other day, . . .<br>Or, every day? . . . .<br><br>Don't know . . . . . . |

BOX 7.  IF "YES" FOR ANY DRUG IN H-30, ASK H-31 AND H-32 FOR EACH DRUG USED.
OTHERWISE CONTINUE.

| (ASK H-33 FOR EACH DRUG.  THEN GO BACK AND ASK H-34 AND H-35 FOR EACH DRUG USED IN H-33.) | Marijuana | Hashish |
|---|---|---|
| H-33.  During that time, did you ever try (DRUG)? | Yes. . . . . . . 1 (NEXT No . . . . . . . 2 DRUG) Don't know . . . 8 | Yes. . . . . . . 1 (NEXT No . . . . . . . 2 DRUG) Don't know . . . 8 |
| H-34.  In which months during this period did you use (DRUG)?  (CIRCLE ALL THAT APPLY.) | 3rd month before pregnancy began. . . 1 2nd month before pregnancy began. . . 1 1st month before pregnancy began. . . 1 1st month of pregnancy. . . . . . 1 2nd month of pregnancy. . . . . . 1 3rd month of pregnancy. . . . . 1 Don't know . . . . . . 8 | 3rd month before pregnancy began. . . 1 2nd month before pregnancy began. . . 1 1st month before pregnancy began. . . 1 1st month of pregnancy. . . . . . 1 2nd month of pregnancy. . . . . . 1 3rd month of pregnancy. . . . . 1 Don't know . . . . . . 8 |
| H-35.  How often did you use (DRUG) during this period?  Was it . . . | Less than 1 day a week,. . . . . 1 (NEXT DRUG 1 or 2 days a week,. . . . . 2 USED OR Every other day, 3 SEC. Or, every day? . 4 I) Pattern changed. 5 (H-35a) Don't know . . . 8 (NEXT DRUG USED OR SECT. I) | Less than 1 day a week,. . . . . 1 (NEXT DRUG 1 or 2 days a week,. . . . . 2 USED OR Every other day, 3 SEC. Or, every day? . 4 I) Pattern changed. 5 (H-35a) Don't know . . . 8 (NEXT DRUG USED OR SECT. I) |
| H-35a. How often did you use (DRUG) before the pattern changed? | Less than 1 day a week,. . . . . . . 1 1 or 2 days a week,. . 2 Every other day, . . . 3 Or, every day? . . . . 4 Don't know . . . . . . 8 | Less than 1 day a week,. . . . . . . 1 1 or 2 days a week,. . 2 Every other day, . . . 3 Or, every day? . . . . 4 Don't know . . . . . . 8 |
| H-35b. How often did you use (DRUG) after the pattern changed? | Less than 1 day/wk,. . 1 1 or 2 days a week,. . 2 Every other day, . . . 3 Or, every day? . . . . 4 Don't know . . . . . . 8 | Less than 1 day/wk,. . 1 1 or 2 days a week,. . 2 Every other day, . . . 3 Or, every day? . . . . 4 Don't know . . . . . . 8 |
| H-35c. Were you pregnant at the time you changed your pattern of (DRUG) usage? | Yes. . . . . . . 1 (NEXT No . . . . . . . 2 DRUG Don't know . . . 8 USED OR SECTION 1) | Yes. . . . . . . 1 (NEXT No . . . . . . . 2 DRUG Don't know . . . 8 USED OR SECTION 1) |
| H-35d. How many weeks pregnant were you at the time you changed your pattern of (DRUG) usage? | NUMBER OF WEEKS Don't know . . . . . . 98 | NUMBER OF WEEKS Don't know . . . . . . 98 |

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| Hallucinogenics, like LSD, acid, or mescaline | Cocaine | Heroin | Methadone |
|---|---|---|---|
| Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG)<br>Don't know . . . 8 | Yes. . . . . . . 1 (NUX<br>No . . . . . . . 2 II)<br>Don't know . . . 8 |
| 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . . 1<br>2nd month before<br>  pregnancy began. . . 1<br>1st month before<br>  pregnancy began. . . 1<br>1st month of<br>  pregnancy. . . . . . 1<br>2nd month of<br>  pregnancy. . . . . . 1<br>3rd month of<br>  pregnancy. . . . . . 1<br><br>Don't know . . . . . . 8 | 3rd month before<br>  pregnancy began. . 1<br>2nd month before<br>  pregnancy began. . 1<br>1st month before<br>  pregnancy began. . 1<br>1st month of<br>  pregnancy. . . . 1<br>2nd month of<br>  pregnancy. . . . 1<br>3rd month of<br>  pregnancy. . . . 1<br><br>Don't know . . . . . 8 |
| Less than 1 day (NEXT<br>  a week,. . . . 1 DRUG<br>1 or 2 days USED<br>  a week,. . . . 2 OR<br>Every other day, 3 SEC.<br>Or, every day? . 4 I)<br><br>Pattern changed. 5 (H-35a)<br>Don't know . . . 8 (NEXT<br>DRUG USED OR SECT. I) | Less than 1 day (NEXT<br>  a week,. . . . 1 DRUG<br>1 or 2 days USED<br>  a week,. . . . 2 OR<br>Every other day, 3 SEC.<br>Or, every day? . 4 I)<br><br>Pattern changed. 5 (H-35a)<br>Don't know . . . 8 (NEXT<br>DRUG USED OR SECT. I) | Less than 1 day (NEXT<br>  a week,. . . . 1 DRUG<br>1 or 2 days USED<br>  a week,. . . . 2 OR<br>Every other day, 3 SEC.<br>Or, every day? . 4 I)<br><br>Pattern changed. 5 (H-35a)<br>Don't know . . . 8 (NEXT<br>DRUG USED OR SECT. I) | Less than 1 day (IEXT<br>  a week,. . . . 1 IFUG<br>1 or 2 days ISED<br>  a week,. . . . 2 (R<br>Every other day, 3 IEC.<br>Or, every day? . 4 .)<br><br>Pattern changed. 5 (I-35a)<br>Don't know . . . 8 (IEXT<br>DRUG USED OR SECT. :) |
| Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day<br>  a week,. . . . . . . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 |
| Less than 1 day/wk,. . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day/wk,. . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day/wk,. . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 | Less than 1 day/wk,. . 1<br>1 or 2 days a week,. . 2<br>Every other day, . . . 3<br>Or, every day? . . . . 4<br><br>Don't know . . . . . . 8 |
| Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG<br>Don't know . . . 8 USED OR<br>SECTION I) | Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG<br>Don't know . . . 8 USED OR<br>SECTION I) | Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG<br>Don't know . . . 8 USED OR<br>SECTION I) | Yes. . . . . . . 1 (NEXT<br>No . . . . . . . 2 DRUG<br>Don't know . . . 8 USED OR<br>SECTION I) |
| NUMBER OF WEEKS<br>Don't know . . . . . . 98 | NUMBER OF WEEKS<br>Don't know . . . . . . 98 | NUMBER OF WEEKS<br>Don't know . . . . . . 98 | NUMBER OF WEEKS<br>Don't know . . . . . . 98 |

BOX 8.  IF "YES" FOR ANY DRUG IN H-33, ASK H-34 AND H-35 FOR EACH DRUG USED.  OTHERWISE CONTINUE.

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# SECTION I

Now, I have just a few questions about your background and about the background of the father of the pregnancy that ended in (DDIB).

I-1.   What is your racial background?  Are you black, white, Asian or Pacific Islander or American Indian or Alaskan native?  (CIRCLE ALL THAT APPLY.)

                            Black. . . . . . . . . . . . . . . . . 1
                            White. . . . . . . . . . . . . . . . . 1
                            Asian or Pacific Islander. . . . . . . 1
                            American Indian or Alaskan native. . . . 1

I-2.   Most people in this country have ancestors who came here from other parts of the world.  What nation-
       ality or ethnicity were your ancestors, for instance, Puerto Rican, English, Jewish, Afro-American,
       Chinese, . . . ?  (CIRCLE ALL THAT APPLY.)

                            Afro-American. . . . . . . . . . . . . 01
                            American Indian. . . . . . . . . . . . 02
                            Chinese. . . . . . . . . . . . . . . . 03
                            Cuban. . . . . . . . . . . . . . . . . 04
                            English, Scot, Welsh . . . . . . . . . 05
                            French . . . . . . . . . . . . . . . . 06
                            German . . . . . . . . . . . . . . . . 07
                            Indian (Eastern) . . . . . . . . . . . 08
                            Irish. . . . . . . . . . . . . . . . . 09
                            Italian. . . . . . . . . . . . . . . . 10
                            Japanese . . . . . . . . . . . . . . . 11
                            Jewish . . . . . . . . . . . . . . . . 12
                            Mexican American (Mexican, Mexicano
                               Chicano) . . . . . . . . . . . . . 13
                            Pakistani. . . . . . . . . . . . . . . 14
                            Polish . . . . . . . . . . . . . . . . 15
                            Puerto Rican . . . . . . . . . . . . . 16
                            Russian. . . . . . . . . . . . . . . . 17
                            Other Asian or Pacific Islander such
                               as Korean, Filipino or Samoan. . . . 18
                            Other Spanish or Latin American. . . . . 19
                            Other (SPECIFY) _____ 20

                            _____

                            American . . . . . . . . . . . . . . . 21

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I-3.    What is the father's race?  Is he black, white, Asian or Pacific Islander, or American Indian or
        Alaskan native?  (CIRCLE ALL THAT APPLY.)

                                                    Black. . . . . . . . . . . . . . . . . 1
                                                    White. . . . . . . . . . . . . . . . . 1
                                                    Asian or Pacific Islander. . . . . . . . 1
                                                    American Indian or Alaskan native. . . . 1


I-4.    What nationality or ethnicity were the father's ancestors?  (CIRCLE ALL THAT APPLY.)

                                                    Afro-American. . . . . . . . . . . . . 01
                                                    American Indian. . . . . . . . . . . . 02
                                                    Chinese. . . . . . . . . . . . . . . . 03
                                                    Cuban. . . . . . . . . . . . . . . . . 04
                                                    English, Scot, Welsh . . . . . . . . . 05
                                                    French . . . . . . . . . . . . . . . . 06
                                                    German . . . . . . . . . . . . . . . . 07
                                                    Indian (Eastern) . . . . . . . . . . . 08
                                                    Irish. . . . . . . . . . . . . . . . . 09
                                                    Italian. . . . . . . . . . . . . . . . 10
                                                    Japanese . . . . . . . . . . . . . . . 11
                                                    Jewish . . . . . . . . . . . . . . . . 12
                                                    Mexican American (Mexican, Mexicano
                                                       Chicano) . . . . . . . . . . . . . 13
                                                    Pakistani. . . . . . . . . . . . . . . 14
                                                    Polish . . . . . . . . . . . . . . . . 15
                                                    Puerto Rican . . . . . . . . . . . . . 16
                                                    Russian. . . . . . . . . . . . . . . . 17
                                                    Other Asian or Pacific Islander such
                                                       as Korean, Filipino or Samoan. . . . 18
                                                    Other Spanish or Latin American. . . . . 19
                                                    Other (SPECIFY) _____ 20


                                                    _____

                                                    American . . . . . . . . . . . . . . . 21

                                                    Don't know . . . . . . . . . . . . . . 98


I-5.    What is the highest grade or year of regular school or college that you have completed?

                                                    No formal schooling. . . . . . . . . . 01
                                                    1-6 years. . . . . . . . . . . . . . . 02
                                                    7-9 years. . . . . . . . . . . . . . . 03
                                                    10-11 years. . . . . . . . . . . . . . 04
                                                    12 years, completed high school. . . . . 05
                                                    1-3 years of college . . . . . . . . . 06
                                                    4 years of college, bachelor's
                                                       degree . . . . . . . . . . . . . . 07
                                                    5 or more years of college, post-
                                                       graduate work. . . . . . . . . . . 08


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I-6.   What is the highest grade or year of regular school or college that the father has completed?

                                          No formal schooling. . . . . . . . . . 01
                                          1-6 years. . . . . . . . . . . . . . . 02
                                          7-9 years. . . . . . . . . . . . . . . 03
                                          10-11 years. . . . . . . . . . . . . . 04
                                          12 years, completed high school. . . . . 05
                                          1-3 years of college . . . . . . . . . . 06
                                          4 years of college, bachelor's
                                             degree . . . . . . . . . . . . . . . 07
                                          5 or more years of college, post-
                                             graduate work. . . . . . . . . . . . 08

                                          Don't know . . . . . . . . . . . . . . 98


I-7.   Which of the following groups best describes your total family income before taxes in (YEAR OF INDEX
       BIRTH)?  Was it . . .

                                          Less than $5,000,. . . . . . . . . . . . 1
                                          $ 5,000 to $ 9,999,. . . . . . . . . . . 2
                                          $10,000 to $14,999,. . . . . . . . . . . 3
                                          $15,000 to $24,999,. . . . . . . . . . . 4
                                          $25,000 to $34,999,. . . . . . . . . . . 5
                                          Or, $35,000 or more? . . . . . . . . . . 6

                                          Don't know . . . . . . . . . . . . . . 8


I-8.   We would like to mail a short questionnaire to your mother and to the father's mother.  The ques-
       tionnaire will ask some questions about their families.  Is this alright with you?

       MOTHER's MOTHER                                    FATHER's MOTHER

       Alright to mail. . . . 1 (ASK I-9)                 Alright to mail. . . . 1 (ASK I-10)
       Not alright to mail. . 2 }                         Not alright to mail. . 2 }
       Mother deceased. . . . 3 }  (FATHER's MOTHER)      Mother deceased. . . . 3 }  (I-11)


I-9.   What is your mother's name, current        I-10.   And what is the name, current mailing
       mailing address, and phone number?                 address, and phone number of the father's
                                                          mother?

       NAME: _____                 NAME: _____

       STREET: _____                 STREET: _____

       CITY: _____                 CITY: _____

       STATE & ZIP: _____                 STATE & ZIP: _____

       PHONE #: (_____) _____            PHONE #: (_____) _____
                Area code                                         Area code

       Don't know . . . . . . . . 98                     Don't know . . . . . . . . 98

I-11.  We would like to know if you have any ideas about what causes birth defects.  Some causes of birth defects have been discovered because mothers have told doctors about their ideas.  (RECORD VERBATIM.)

_____ .

_____ .

_____ .


I-12.  In case we want to get in touch with you in the future, would you please give me the names, addresses and phone numbers of two close relatives or friends who would be likely to know where you can be reached?  (CHECK BOX(ES) BELOW IF RESPONDENT LISTS HER MOTHER OR FATHER'S MOTHER.  YOU DO NOT HAVE TO REWRITE NAME, ADDRESS OR PHONE NUMBER.)

NAME: _____          _____ .

STREET: _____          _____ .

CITY/STATE/ZIP: _____          _____

PHONE #: (_____)_____      (_____)_____
        Area code                              Area code
MOTHER'S MOTHER |___|                         FATHER'S MOTHER |___|

                                               Time Ended: _____ .


Thank you very much for your help.  The information that you have given will be used to understand birth defects better in the future.  We have asked you a number of questions about many different things.  These things do not necessarily cause birth defects.  We just want to make sure that things that are commonly done by many people do not cause birth defects.


INTERVIEWER:  DID MOTHER CONSULT WITH FATHER FOR ANSWERS TO QUESTIONS?

                                   YES. . . . . . . . . . . . . . . . . .1
                                   NO . . . . . . . . . . . . . . . . . .2


+------------------------------------------------------------+
| BOX 9.  IF FATHER HAS BEEN INTERVIEWED, GO TO CLOSING STATEMENT |
|         ON NEXT PAGE.  OTHERWISE, CONTINUE.                 |
+------------------------------------------------------------+


I-13.  We would like to ask some questions of the father of the pregnancy that ended in (DOIB).  Does he live with you?

                                   Yes. . . . . . . . . . . . . . . . . .1 (BOX 10)
                                   No . . . . . . . . . . . . . . . . . .2 (I-14)

```
BOX 10.  ● IF FATHER OF (DDIB) IS LISTED AS UNKNOWN, YET LIVES WITH MOTHER, OBTAIN
            HIS FULL NAME BEFORE ATTEMPTING TO INTERVIEW HIM.

         ● IF FATHER AVAILABLE NOW, GO TO STATEMENT BELOW CLOSING.

         ● IF UNABLE TO INTERVIEW FATHER NOW, GET INFORMATION ABOUT BEST TIME TO CALL
            HIM, RECORD INFORMATION ON CALL RECORD, AND THEN GO TO CLOSING STATEMENT.
```

I-14.  What is his full name and his current address and phone number?  (PROBE FOR ZIP CODE.)

NAME: _____

STREET: _____

CITY, STATE, ZIP: _____

PHONE #:  (_____) _____
                   AREA CODE

Don't know . . . . . . . . . . . . . . . 98

CLOSING STATEMENT:  Thank you again.  My supervisor may be calling you to confirm some of the answers I have
                    recorded.

(IF FATHER TO BE INTERVIEWED NOW SAY)  In order to maintain the confidentiality of the information you just
gave to me, another interviewer will conduct his interview.  She will come to the phone right now.

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# 9. APPENDIX B

## 1. Logistic Regression Models Used for the Basic and Primary Adjusted Analyses

The models used for tests of hypotheses in the Basic analyses are outlined in Appendix B, Table 1, and the models used for the Primary Adjusted analyses are presented in Appendix B, Table 2 (see Methods and Results sections for descriptions of hypotheses; see also Tables 52 and 53). The Basic analyses required 16 specific models, 6 to calculate the main effects of exposure variables and 10 to determine interaction on race and period of birth with respect to the exposure variable. The Primary Adjusted analyses required 11 models, 6 to calculate the main effects and 5 to examine interactions. Each line in the two tables represents an independent variate or covariate in one of the models. Each model used to estimate a main effect is flagged with an asterisk. In all models, the dependent variable represented the presence or absence of the defect in question and was coded 1 or 0, respectively. Likewise, in all models, cases and controls were matched by two categories of race, three categories of period of birth, and 20 hospitals, forming 120 strata in all. The specific variables in each model and the manner in which they were coded can also be found in Appendix B, Tables 1 and 2.

### Calculation of Confidence Intervals and Tests of Significance

For dichotomous exposure variables (Basic and Primary Adjusted models 1, 2, 5, and 6), the magnitude of the effect was expressed in terms of odds ratios. The 95% confidence interval was calculated as follows (where SE is standard error):

$$\text{LOWER } 95 = \exp(\beta - 1.96 \text{ SE } (\beta))$$
$$\text{UPPER } 95 = \exp(\beta + 1.96 \text{ SE } (\beta))$$

and the odds ratio was determined to be significant if the 95% confidence interval did not include 1. This determination of statistical significance through the computation of confidence intervals implies the use of 2-tailed tests. The rationale for using this approach is outlined in Section 2 of this Appendix.

For the continuous exposure variables (Basic and Primary Adjusted models 3 and 4), the magnitude of the effect was expressed by the (unexponentiated) betas. The 95% confidence limits were calculated as follows:

$$\text{LOWER } 95 = \beta - 1.96 \text{ SE } (\beta)$$
$$\text{UPPER } 95 = \beta + 1.96 \text{ SE } (\beta)$$

The regression coefficient (i.e., the slope) was determined to be significant if the confidence interval did not include 0.

### Interaction in the Basic Analyses

As Appendix B, Table 1, shows, for each Basic analysis the "A" model is equivalent to a separation of the effect of the exposure variable for the two race groups, and the "B" model is equivalent to a separation of the periods of birth.

The interaction terms between exposure and race and exposure and period of birth were actually computed by using the regression coefficients from the "A" and "B" models, respectively. In the 2A Model, for instance, there were two independent variables, one contrasting White race Vietnam veterans with everyone else, and one contrasting Vietnam veterans of Other races with everyone else. But because there was matching on race, White race Vietnam veterans were compared only with White race non-Vietnam veterans, and likewise Other races were compared only with each other. Therefore, the beta for the White race $(\beta_w)$ represents the risk for Whites alone and the beta for Other races $(\beta_o)$ represents the risk for Other

races alone. Then, a beta representing the magnitude of the desired interaction could be pro-
duced simply by calculating the absolute difference between the White race beta and the
Other races beta:

$$\beta = \beta_w - \beta_o$$

The standard error of this term can be shown to be

$$SE(\beta) = [Var\ (\beta_w) + Var\ (\beta_o) - 2\ Covar\ (\beta_w, \beta_o)]^{-\frac{1}{2}}$$

where Covar $(\beta_w, \beta_o) = 0$ because the two betas are independent as a result of the race
matching. When $\beta/SE(\beta) > 1.96$, then interaction between race groups with respect to the
exposure variable at the 95% confidence level was said to be present.

Interaction with respect to the exposure variable was examined individually between each
of the periods of birth with the "B" models in a manner analogous to the examination of inter-
action between the race groups. In addition, the log likelihood functions of the main effect
model and the "B" model were compared by means of a chi-square test with two degrees of
freedom. This was done to assess overall interaction as indicated by a significant increase in
the log likelihood when periods were examined separately (Schlesselman, 1982, chap. 8).

### Interaction in Primary Adjusted Analyses

Appendix B, Table 2, shows that the "A" model in Primary Adjusted analyses 2 thru 6
directly utilizes as covariates the product of the exposure variable and each of the "essential"
variables (other than primary relative). Tests of significance were performed individually for
each of these interaction variables, with $\beta/SE(\beta) > 1.96$ indicating significant interaction.

### 2. Rationale for Use of 2-Tailed Tests of Significance

In this study 2-tailed rather than l-tailed significance tests were used for two reasons:

(1) Although this study was done primarily in response to concern that Vietnam veterans
may have an increased risk of fathering babies with birth defects, there was no empirical
evidence to suggest that an increased risk was more likely than a decreased risk. The level
of knowledge of the possible effects that Vietnam service or particular exposure among
Vietnam veterans might have on the risk of birth defects was such that one could not
ignore the possibility of a decreased risk. Hypothesis testing in situations where the possi-
bility of a decrease as well as an increase in risk must be entertained calls for a 2-tailed
test. Alternately stated, in performing a 2-tailed significance test, one is simply recognizing
that large "protective" effects (in addition to "harmful" effects) indicated by the data will
be acknowledged (Armitage, 1971).

(2) In this analysis, hypothesis testing was done for a large number of defect categories.
Results of some tests were expected to be statistically significant solely because of
chance fluctuation. The number and types of defect categories that are significantly in-
creased compared with those that are significantly decreased might provide a valuable
perspective in making an overall assessment of study results. This assessment would not
be possible with 1-tailed tests.

Significance testing for this study was done with alpha error, the probability of rejecting
the null hypothesis when it is true, set at 0.05. This choice of alpha abounds in the epide-
miologic literature, and may be viewed as striking a balance between the desire not to
falsely reject the null hypothesis too often, while at the same time not unduly sacrificing
statistical power to detect true departures from the null. Choosing a particular alpha value
entails individual judgment, and others may have made a different choice. The data pre-
sented for this study will (in almost every instance) allow one to pick a different alpha level

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and determine whether or not the results of the statistical testing are changed. This exer-
cise is, however, not without peril—the most apparent pitfall is that the choice of alpha
may be influenced by the data results. This could occur if one peruses the data before
choosing a particular alpha level. Clearly, this situation presents an opportunity to change
"almost significant" results to "significant" ones (or vice versa) by choosing a slightly dif-
ferent alpha level. The choice must be made before the data results are known, and the
choice must be irrevocable and not retained merely because the investigator is pleased
with the results of the statistical tests.

This discussion may convey an inappropriate perception of the intended role of signifi-
cance testing in the context of this study, and additional comment is in order. Tests of sig-
nificance are clearly useful as a summary device and in analytic processes where a dichoto-
my of outcome in a previous step determines the course of analysis in subsequent steps.
Indeed, significance testing has played these roles in the present study. The "bottom line"
conclusions from an epidemiologic study, however, can rarely, if ever, be appropriately
drawn solely from whether or not particular comparisons have been labeled "significant"
A host of other factors must be considered as well. For example, the size of the point esti-
mate, the alpha level, statistical power, biologic plausibility, and various caveats brought
about by the limitations of study design or data collection are all important factors to con-
sider in arriving at an overall synthesis of study results.

# APPENDIX B, TABLE 1
## Model Components and Independent Variable Coding
## Specifications for the Basic Analyses

| HYPOTHESIS/MODEL | VARIABLE NAME | CODED VALUES OF INDEPENDENT VARIABLES |
|---|---|---|
| **Veteran Status** | | |
| Model 1* | VET | 1=veterans(Vietnam veterans excl'd); 0=nonvet |
| **Vietnam Veteran Status** | | |
| Model 2* | VNVET | 1=Vietnam veteran; 0=other |
| Model 2A | WHVNVET | 1=White Vietnam veteran; 0=other |
| 2A | NWHVNVET | 1=Other Vietnam veteran; 0=other |
| Model 2B | PER1VVET | 1=birth period 1 Vietnam veteran; 0=other |
| 2B | PER2VVET | 1=birth period 2 Vietnam veteran; 0=other |
| 2B | PER3VVET | 1=birth period 3 Vietnam veteran; 0=other |
| **AO Exposure Opportunity Index 1** | | |
| Model 3* | DOD | 1-5=Vietnam veteran; 0=other |
| Model 3A | WHDOD | 1-5=White Vietnam veteran; 0=other |
| 3A | NWHDOD | 1-5=Other Vietnam veteran; 0=other |
| Model 3B | PER1DOD | 1-5=birth period 1 Vietnam veteran; 0=other |
| 3B | PER2DOD | 1-5=birth period 2 Vietnam veteran; 0=other |
| 3B | PER3DOD | 1-5=birth period 3 Vietnam veteran; 0=other |
| **AO Exposure Opportunity Index 2** | | |
| Model 4* | SLF | 1-5=Vietnam veteran; 0=other |
| Model 4A | WHSLF | 1-5=White Vietnam veteran; 0=other |
| 4A | NWHSLF | 1-5=Other Vietnam veteran; 0=other |
| Model 4B | PER1SLF | 1-5=birth period 1 Vietnam veteran; 0=other |
| 4B | PER2SLF | 1-5=birth period 2 Vietnam veteran; 0=other |
| 4B | PER3SLF | 1-5=birth period 3 Vietnam veteran; 0=other |
| **Self-Report AO Exposure 1\*\*** | | |
| Model 5* | AOEXP | 1=yes; 0=other |
| Model 5A | WHAOEXP | 1=yes & White; 0=other |
| 5A | NWHAOEXP | 1=yes & Other; 0=other |
| Model 5B | PER1AOXP | 1=yes & birth period 1; 0=other |
| 5B | PER2AOXP | 1=yes & birth period 2; 0=other |
| 5B | PER3AOXP | 1=yes & birth period 3; 0=other |
| **Self-Report AO Exposure 2** | | |
| Model 6* | AOEXP | 1=yes + don't know; 0=other |
| Model 6A | WHAOEXP | 1=yes + don't know & White; 0=other |
| 6A | NWHAOEXP | 1=yes + don't know & Other; 0=other |
| Model 6B | PER1AOXP | 1=yes + don't know & birth period 1; 0=other |
| 6B | PER2AOXP | 1=yes + don't know & birth period 2; 0=other |
| 6B | PER3AOXP | 1=yes + don't know & birth period 3; 0=other |

Note: *model used to estimate main effect.
  \*\*Vietnam veterans responding "don't know" excluded from analysis.

## APPENDIX B, TABLE 2
### Model Components and Independent Variable Coding
### Specifications for the Primary Adjusted Analyses

| HYPOTHESIS/MODEL | VARIABLE NAME | CODED VALUES OF INDEPENDENT VARIA LES |
|---|---|---|
| **Veteran Status** | | |
| Model 1* | VET | 1=veterans (Vietnam veterans excl'd); 0=nor et |
| 1 | MATAGE | continuous in years of age at birth |
| 1 | MATED1 | 1=12-15 years school; 0=other |
| 1 | MATED2 | 1=16+ years school; 0=other |
| 1 | MATALC | continuous in drinks per week |
| **Vietnam Veteran Status** | | |
| Model 2* | VNVET | 1=Vietnam veteran; 0=other |
| 2 | MATAGE | continuous in years of age at birth |
| 2 | MATED1 | 1=12-15 years school; 0=other |
| 2 | MATED2 | 1=16+ years school; 0=other |
| 2 | MATALC | continuous in drinks per week |
| Model 2A | VNVET | 1=Vietnam veteran; 0=other |
| 2A | MATAGE | continuous in years of age at birth |
| 2A | MATED1 | 1=12-15 years school; 0=other |
| 2A | MATED2 | 1=16+ years school; 0=other |
| 2A | MATALC | continuous in drinks per week |
| 2A | VNVXAGE | VNVET*MATAGE |
| 2A | VNVXED1 | VNVET*MATED1 |
| 2A | VNVXED2 | VNVET*MATED2 |
| 2A | VNVXALC | VNVET*MATALC |
| **AO Exposure Opportunity Index 1** | | |
| Model 3* | DOD | 1-5=Vietnam veteran; 0=other |
| 3 | MATAGE | continuous in years of age at birth |
| 3 | MATED1 | 1=12-15 years school; 0=other |
| 3 | MATED2 | 1=16+ years school; 0=other |
| 3 | MATALC | continuous in drinks per week |
| Model 3A | DOD | 1-5=Vietnam veteran; 0=other |
| 3A | MATAGE | continuous in years of age at birth |
| 3A | MATED1 | 1=12-15 years school; 0=other |
| 3A | MATED2 | 1=16+ years school; 0=other |
| 3A | MATALC | continuous in drinks per week |
| 3A | DXAGE | DOD*MATAGE |
| 3A | DXED1 | DOD*MATED1 |
| 3A | DXED2 | DOD*MATED2 |
| 3A | DXALC | DOD*MATALC |
| **AO Exposure Opportunity Index 2** | | |
| Model 4* | SLF | 1-5=Vietnam veteran; 0=other |
| 4 | MATAGE | continuous in years of age at birth |
| 4 | MATED1 | 1=12-15 years school; 0=other |
| 4 | MATED2 | 1=16+ years school; 0=other |
| 4 | MATALC | continuous in drinks per week |
| Model 4A | SLF | 1-5=Vietnam veteran; 0=other |
| 4A | MATAGE | continuous in years of age at birth |
| 4A | MATED1 | 1=12-15 years school; 0=other |
| 4A | MATED2 | 1=16+ years school; 0=other |
| 4A | MATALC | continuous in drinks per week |
| 4A | SXAGE | SLF*MATAGE |
| 4A | SXED1 | SLF*MATED1 |
| 4A | SXED2 | SLF*MATED2 |
| 4A | SXALC | SLF*MATALC |

Note: *model used to estimate main effect.
**Vietnam veterans responding "don't know" excluded from analysis.

## APPENDIX B, TABLE 2 — *Continued*
### Model Components and Independent Variable Coding
### Specifications for the Primary Adjusted Analyses

| HYPOTHESIS/MODEL | VARIABLE NAME | CODED VALUES OF INDEPENDENT VARIABLES |
|---|---|---|
| **Self-Report of AO Exposure 1**\*\* | | |
| Model 5\* | AOEXP | 1=yes; 0=other |
| 5 | MATAGE | continuous in years of age at birth |
| 5 | MATED1 | 1=12-15 years school; 0=other |
| 5 | MATED2 | 1=16+ years school; 0=other |
| 5 | MATALC | continuous in drinks per week |
| Model 5A | AOEXP | 1=yes; 0=other |
| 5A | MATAGE | continuous in years of age at birth |
| 5A | MATED1 | 1=12-15 years school; 0=other |
| 5A | MATED2 | 1=16+ years school; 0=other |
| 5A | MATALC | continuous in drinks per week |
| 5A | AXAGE | AOEXP\*MATAGE |
| 5A | AXED1 | AOEXP\*MATED1 |
| 5A | AXED2 | AOEXP\*MATED2 |
| 5A | AXALC | AOEXP\*MATALC |
| **Self-Report of AO Exposure 2** | | |
| Model 6\* | AOEXP | 1=yes + don't know; 0=other |
| 6 | MATAGE | continuous in years of age at birth |
| 6 | MATED1 | 1=12-15 years school; 0=other |
| 6 | MATED2 | 1=16+ years school; 0=other |
| 6 | MATALC | continuous in drinks per week |
| Model 6A | AOEXP | 1=yes + don't know; 0=other |
| 6A | MATAGE | continuous in years of age at birth |
| 6A | MATED1 | 1=12-15 years school; 0=other |
| 6A | MATED2 | 1=16+ years school; 0=other |
| 6A | MATALC | continuous in drinks per week |
| 6A | AXAGE | AOEXP\*MATAGE |
| 6A | AXED1 | AOEXP\*MATED1 |
| 6A | AXED2 | AOEXP\*MATED2 |
| 6A | AXALC | AOEXP\*MATALC |

# 10. APPENDIX C

## Appendix C
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **ALL CASE BABIES** | | | | | | | |
| Index 1[b] | Cases | 3605 | 121 | 60 | 54 | 40 | 44 |
| | Controls | 2200 | 73 | 31 | 34 | 18 | 23 |
| Index 2[c] | Cases | 3605 | 118 | 70 | 79 | 53 | 26 |
| | Controls | 2200 | 78 | 46 | 41 | 23 | 14 |
| **MULTIPLE DEFECTS** | | | | | | | |
| Index 1 | Cases | 797 | 33 | 13 | 12 | 8 | 9 |
| | Controls | 2166 | 71 | 30 | 33 | 18 | 23 |
| Index 2 | Cases | 797 | 22 | 22 | 18 | 12 | 5 |
| | Controls | 2166 | 75 | 46 | 41 | 21 | 14 |
| **TOTAL NERVOUS SYSTEM DEFECTS** | | | | | | | |
| Index 1 | Cases | 480 | 18 | 7 | 11 | 6 | 6 |
| | Controls | 2157 | 73 | 30 | 33 | 18 | 23 |
| Index 2 | Cases | 480 | 14 | 6 | 12 | 12 | 3 |
| | Controls | 2157 | 76 | 46 | 40 | 22 | 14 |
| **TOTAL EYE DEFECTS** | | | | | | | |
| Index 1 | Cases | 84 | 3 | 1 | 1 | 0 | 2 |
| | Controls | 1708 | 57 | 28 | 27 | 15 | 19 |
| Index 2 | Cases | 84 | 0 | 2 | 3 | 0 | 1 |
| | Controls | 1708 | 62 | 35 | 34 | 16 | 11 |
| **TOTAL CARDIOVASCULAR DEFECTS** | | | | | | | |
| Index 1 | Cases | 726 | 26 | 14 | 8 | 8 | 8 |
| | Controls | 2159 | 72 | 30 | 34 | 17 | 23 |
| Index 2 | Cases | 726 | 22 | 18 | 21 | 7 | 2 |
| | Controls | 2157 | 76 | 44 | 40 | 22 | 14 |
| **COMPLEX CARDIOVASCULAR DEFECTS** | | | | | | | |
| Index 1 | Cases | 326 | 9 | 4 | 3 | 3 | 3 |
| | Controls | 2040 | 68 | 29 | 32 | 15 | 22 |
| Index 2 | Cases | 326 | 6 | 6 | 8 | 2 | 0 |
| | Controls | 2038 | 73 | 43 | 37 | 19 | 13 |
| **TOTAL RESPIRATORY DEFECTS** | | | | | | | |
| Index 1 | Cases | 29 | 1 | 1 | 0 | 0 | 0 |
| | Controls | 1144 | 47 | 21 | 13 | 11 | 16 |
| Index 2 | Cases | 29 | 2 | 0 | 2 | 0 | 0 |
| | Controls | 1179 | 54 | 24 | 27 | 11 | 9 |
| **TOTAL GASTROINTESTINAL DEFECTS** | | | | | | | |
| Index 1 | Cases | 798 | 16 | 16 | 13 | 11 | 9 |
| | Controls | 2152 | 71 | 31 | 33 | 18 | 23 |
| Index 2 | Cases | 798 | 25 | 15 | 12 | 16 | 10 |
| | Controls | 2152 | 75 | 46 | 41 | 22 | 14 |

[a]See section 2.7 for explanation.
[b]Index 1 — index scores based on information contained in military records.
[c]Index 2 — index scores based on information obtained during interviews.

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **TOTAL SEX ORGANS DEFECTS** | | | | | | | |
| Index 1 | Cases | 191 | 20 | 4 | 5 | 5 | 9 |
| | Controls | 852 | 68 | 30 | 28 | 15 | 22 |
| Index 2 | Cases | 191 | 16 | 7 | 7 | 3 | 6 |
| | Controls | 852 | 72 | 40 | 37 | 20 | 4 |
| **TOTAL URINARY TRACT DEFECTS** | | | | | | | |
| Index 1 | Cases | 162 | 5 | 3 | 2 | 1 | 1 |
| | Controls | 2026 | 67 | 29 | 30 | 17 | 21 |
| Index 2 | Cases | 162 | 4 | 3 | 2 | 3 | 0 |
| | Controls | 2026 | 72 | 42 | 36 | 20 | 3 |
| **TOTAL MUSCULOSKELETAL DEFECTS** | | | | | | | |
| Index 1 | Cases | 762 | 31 | 13 | 5 | 9 | 7 |
| | Controls | 2168 | 72 | 30 | 32 | 17 | 23 |
| Index 2 | Cases | 762 | 27 | 14 | 18 | 6 | 4 |
| | Controls | 2170 | 75 | 44 | 39 | 23 | 4 |
| **TOTAL ENDOCRINE DEFECTS** | | | | | | | |
| Index 1 | Cases | 30 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 1224 | 46 | 20 | 16 | 10 | 5 |
| Index 2 | Cases | 30 | 1 | 1 | 0 | 1 | 0 |
| | Controls | 1224 | 49 | 29 | 22 | 11 | 8 |
| **AUTOSOMAL CHROMOSOME DEFECTS** | | | | | | | |
| Index 1 | Cases | 207 | 8 | 2 | 3 | 0 | 2 |
| | Controls | 2089 | 71 | 29 | 34 | 17 | 13 |
| Index 2 | Cases | 207 | 9 | 3 | 2 | 2 | 0 |
| | Controls | 2089 | 74 | 44 | 38 | 22 | 4 |
| **DOMINANT MUTATIONS** | | | | | | | |
| Index 1 | Cases | 11 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 756 | 24 | 15 | 15 | 7 | 10 |
| Index 2 | Cases | 11 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 756 | 24 | 14 | 15 | 5 | 6 |
| **ANENCEPHALUS AND SPINA BIFIDA** | | | | | | | |
| Index 1 | Cases | 272 | 8 | 5 | 8 | 5 | 2 |
| | Controls | 2013 | 71 | 30 | 32 | 17 | 23 |
| Index 2 | Cases | 272 | 5 | 3 | 8 | 9 | 1 |
| | Controls | 2013 | 74 | 45 | 39 | 20 | 14 |
| **ANENCEPHALUS** | | | | | | | |
| Index 1 | Cases | 116 | 3 | 1 | 2 | 2 | 0 |
| | Controls | 1877 | 67 | 30 | 32 | 15 | 12 |
| Index 2 | Cases | 116 | 2 | 1 | 2 | 2 | 0 |
| | Controls | 1877 | 71 | 43 | 38 | 19 | 14 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **SPINA BIFIDA** | | | | | | | |
| Index 1 | Cases | 156 | 5 | 4 | 6 | 3 | 2 |
| | Controls | 1965 | 70 | 29 | 31 | 17 | 22 |
| Index 2 | Cases | 156 | 3 | 2 | 6 | 7 | 1 |
| | Controls | 1965 | 72 | 44 | 37 | 19 | 14 |
| **HYDROCEPHALUS** | | | | | | | |
| Index 1 | Cases | 52 | 5 | 1 | 2 | 1 | 2 |
| | Controls | 784 | 63 | 27 | 26 | 14 | 21 |
| Index 2 | Cases | 52 | 4 | 1 | 2 | 2 | 2 |
| | Controls | 784 | 63 | 32 | 34 | 20 | 13 |
| **ENCEPHALOCELE** | | | | | | | |
| Index 1 | Cases | 27 | 2 | 0 | 0 | 0 | 2 |
| | Controls | 1139 | 50 | 22 | 19 | 8 | 15 |
| Index 2 | Cases | 27 | 2 | 0 | 0 | 1 | 1 |
| | Controls | 1139 | 51 | 29 | 24 | 10 | 12 |
| **MICROCEPHALUS** | | | | | | | |
| Index 1 | Cases | 51 | 3 | 1 | 2 | 0 | 1 |
| | Controls | 1573 | 53 | 25 | 23 | 12 | 16 |
| Index 2 | Cases | 51 | 3 | 2 | 3 | 0 | 0 |
| | Controls | 1573 | 58 | 31 | 33 | 14 | 8 |
| **NEUROFIBROMATOSIS** | | | | | | | |
| Index 1 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 353 | 9 | 7 | 4 | 1 | 2 |
| Index 2 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 353 | 11 | 8 | 4 | 5 | 2 |
| **ANOPHTHALMOS** | | | | | | | |
| Index 1 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 58 | 0 | 0 | 2 | 3 | 0 |
| Index 2 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 58 | 2 | 3 | 2 | 0 | 0 |
| **MICROPHTHALMOS** | | | | | | | |
| Index 1 | Cases | 30 | 2 | 0 | 0 | 0 | 0 |
| | Controls | 1062 | 42 | 22 | 17 | 6 | 13 |
| Index 2 | Cases | 30 | 0 | 1 | 1 | 0 | 0 |
| | Controls | 1062 | 43 | 26 | 22 | 8 | 5 |
| **BUPHTHALMOS** | | | | | | | |
| Index 1 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 155 | 4 | 3 | 4 | 1 | 1 |
| Index 2 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 155 | 5 | 5 | 3 | 2 | 1 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| CONGENITAL CATARACT | | | | | | | |
| Index 1 | Cases | 29 | 2 | 0 | 0 | 0 | 1 |
| | Controls | 1212 | 40 | 20 | 18 | 9 | 13 |
| Index 2 | Cases | 29 | 0 | 2 | 0 | 0 | 0 |
| | Controls | 1091 | 35 | 16 | 24 | 9 | 8 |
| COLOBOMA | | | | | | | |
| Index 1 | Cases | 11 | 1 | 1 | 0 | 0 | 1 |
| | Controls | 845 | 24 | 17 | 16 | 7 | 1 |
| Index 2 | Cases | 11 | 0 | 0 | 2 | 0 | 1 |
| | Controls | 845 | 29 | 18 | 16 | 9 | 6 |
| ANIRIDIA | | | | | | | |
| Index 1 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 270 | 5 | 6 | 4 | 3 | 4 |
| Index 2 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 270 | 9 | 7 | 4 | 2 | 1 |
| ANOM EAR WITH IMPAIRED HEARING | | | | | | | |
| Index 1 | Cases | 24 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 874 | 33 | 9 | 18 | 6 | 11 |
| Index 2 | Cases | 24 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 874 | 36 | 20 | 16 | 12 | 7 |
| CONUS ARTERIOSUS DEFECTS | | | | | | | |
| Index 1 | Cases | 116 | 1 | 3 | 1 | 2 | 0 |
| | Controls | 1835 | 63 | 29 | 31 | 15 | 19 |
| Index 2 | Cases | 116 | 2 | 4 | 2 | 2 | 0 |
| | Controls | 1835 | 69 | 40 | 33 | 19 | 2 |
| COMMON TRUNCUS | | | | | | | |
| Index 1 | Cases | 14 | 0 | 2 | 0 | 0 | 0 |
| | Controls | 808 | 27 | 17 | 13 | 6 | 3 |
| Index 2 | Cases | 14 | 1 | 2 | 0 | 0 | 0 |
| | Controls | 808 | 32 | 18 | 14 | 4 | 3 |
| TRANSPOSITION GREAT VESSELS | | | | | | | |
| Index 1 | Cases | 68 | 0 | 1 | 1 | 0 | 0 |
| | Controls | 1523 | 55 | 28 | 24 | 12 | 17 |
| Index 2 | Cases | 68 | 0 | 2 | 2 | 2 | 0 |
| | Controls | 1560 | 61 | 30 | 30 | 15 | 12 |
| TETRALOGY OF FALLOT | | | | | | | |
| Index 1 | Cases | 45 | 1 | 0 | 0 | 2 | 0 |
| | Controls | 1447 | 49 | 25 | 26 | 9 | 15 |
| Index 2 | Cases | 45 | 1 | 0 | 0 | 0 | 1 |
| | Controls | 1447 | 51 | 31 | 29 | 14 | 5 |

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## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| VENTRICULAR SEPTAL DEFECT (VSD) | | | | | | | |
| Index 1 | Cases | 282 | 12 | 7 | 3 | 2 | 5 |
| | Controls | 2123 | 72 | 29 | 32 | 16 | 23 |
| Index 2 | Cases | 282 | 12 | 7 | 5 | 4 | 2 |
| | Controls | 2121 | 75 | 43 | 39 | 22 | 14 |
| SELECTED VSD | | | | | | | |
| Index 1 | Cases | 227 | 10 | 3 | 3 | 1 | 4 |
| | Controls | 2104 | 71 | 29 | 32 | 16 | 23 |
| Index 2 | Cases | 227 | 8 | 5 | 4 | 1 | 1 |
| | Controls | 2102 | 74 | 43 | 39 | 22 | 13 |
| ATRIAL SEPTAL DEFECT | | | | | | | |
| Index 1 | Cases | 132 | 3 | 2 | 2 | 0 | 3 |
| | Controls | 1696 | 57 | 27 | 23 | 11 | 18 |
| Index 2 | Cases | 132 | 2 | 3 | 6 | 1 | 0 |
| | Controls | 1716 | 61 | 34 | 30 | 15 | 11 |
| OSTIUM ATRIOVENTRIC COMMUNE | | | | | | | |
| Index 1 | Cases | 31 | 0 | 0 | 2 | 0 | 0 |
| | Controls | 1127 | 46 | 24 | 13 | 11 | 14 |
| Index 2 | Cases | 31 | 0 | 0 | 2 | 0 | 0 |
| | Controls | 1127 | 47 | 20 | 24 | 8 | 7 |
| ANOMALIES OF HEART VALVES | | | | | | | |
| Index 1 | Cases | 120 | 4 | 2 | 2 | 2 | 3 |
| | Controls | 1870 | 61 | 26 | 33 | 15 | 20 |
| Index 2 | Cases | 120 | 2 | 4 | 6 | 1 | 0 |
| | Controls | 1868 | 66 | 40 | 35 | 19 | 2 |
| FIBROELASTOSIS CORDIS | | | | | | | |
| Index 1 | Cases | 8 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 603 | 23 | 13 | 15 | 5 | 8 |
| Index 2 | Cases | 8 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 603 | 22 | 12 | 17 | 4 | 6 |
| PATENT DUCTUS ARTERIOSUS (PDA) | | | | | | | |
| Index 1 | Cases | 271 | 9 | 1 | 3 | 3 | 1 |
| | Controls | 1977 | 68 | 29 | 29 | 15 | 22 |
| Index 2 | Cases | 271 | 6 | 3 | 6 | 2 | 0 |
| | Controls | 1977 | 74 | 36 | 38 | 20 | 4 |
| SELECTED PDA | | | | | | | |
| Index 1 | Cases | 245 | 7 | 1 | 3 | 2 | 1 |
| | Controls | 1972 | 68 | 29 | 29 | 15 | 22 |
| Index 2 | Cases | 245 | 5 | 3 | 5 | 2 | 0 |
| | Controls | 1972 | 74 | 36 | 38 | 20 | 4 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **COARCTATION OF AORTA** | | | | | | | |
| Index 1 | Cases | 52 | 2 | 1 | 0 | 2 | 0 |
| | Controls | 1436 | 44 | 26 | 24 | 10 | 16 |
| Index 2 | Cases | 52 | 2 | 1 | 3 | 0 | 0 |
| | Controls | 1379 | 49 | 29 | 24 | 12 | 10 |
| **OTHER ANOMALIES OF AORTA** | | | | | | | |
| Index 1 | Cases | 50 | 1 | 0 | 1 | 0 | 1 |
| | Controls | 1299 | 53 | 26 | 24 | 10 | 17 |
| Index 2 | Cases | 50 | 0 | 1 | 3 | 0 | 0 |
| | Controls | 1299 | 53 | 32 | 30 | 16 | 10 |
| **STEN ATRES PULMONARY ART** | | | | | | | |
| Index 1 | Cases | 57 | 2 | 1 | 0 | 0 | 1 |
| | Controls | 1615 | 55 | 26 | 28 | 14 | 21 |
| Index 2 | Cases | 57 | 1 | 2 | 2 | 0 | 0 |
| | Controls | 1615 | 61 | 31 | 36 | 18 | 12 |
| **ANOM GREAT VEINS** | | | | | | | |
| Index 1 | Cases | 30 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 1267 | 46 | 25 | 18 | 7 | 14 |
| Index 2 | Cases | 30 | 0 | 3 | 1 | 0 | 0 |
| | Controls | 1339 | 52 | 25 | 29 | 11 | 10 |
| **CHOANAL ATRESIA** | | | | | | | |
| Index 1 | Cases | 20 | 0 | 1 | 0 | 0 | 0 |
| | Controls | 897 | 39 | 17 | 11 | 10 | 14 |
| Index 2 | Cases | 20 | 1 | 0 | 2 | 0 | 0 |
| | Controls | 932 | 46 | 22 | 23 | 9 | 7 |
| **CONGENITAL CYSTIC LUNG** | | | | | | | |
| Index 1 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 216 | 9 | 5 | 4 | 1 | 3 |
| Index 2 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 216 | 6 | 4 | 8 | 0 | 2 |
| **AGENESIS OF LUNG** | | | | | | | |
| Index 1 | Cases | 6 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 377 | 13 | 7 | 6 | 3 | 6 |
| Index 2 | Cases | 6 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 377 | 14 | 4 | 9 | 2 | 4 |
| **CLEFT PALATE** | | | | | | | |
| Index 1 | Cases | 98 | 2 | 0 | 1 | 0 | 0 |
| | Controls | 1875 | 62 | 30 | 28 | 15 | 22 |
| Index 2 | Cases | 98 | 1 | 0 | 2 | 1 | 1 |
| | Controls | 1875 | 70 | 38 | 36 | 20 | 13 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **CLEFT LIP W/WOUT CLEFT PALATE** | | | | | | | |
| Index 1 | Cases | 91 | 7 | 5 | 6 | 2 | 1 |
| | Controls | 801 | 61 | 29 | 28 | 16 | 19 |
| Index 2 | Cases | 91 | 8 | 7 | 1 | 4 | 5 |
| | Controls | 801 | 66 | 40 | 32 | 17 | 13 |
| **PYLORIC STENOSIS** | | | | | | | |
| Index 1 | Cases | 271 | 6 | 4 | 5 | 2 | 4 |
| | Controls | 1954 | 66 | 28 | 28 | 15 | 22 |
| Index 2 | Cases | 271 | 10 | 3 | 5 | 6 | 1 |
| | Controls | 1954 | 70 | 39 | 34 | 20 | 14 |
| **TRACHED-ESOPH FIST ATRES** | | | | | | | |
| Index 1 | Cases | 38 | 0 | 3 | 0 | 1 | 1 |
| | Controls | 1422 | 48 | 22 | 25 | 15 | 19 |
| Index 2 | Cases | 38 | 1 | 2 | 1 | 1 | 2 |
| | Controls | 1422 | 52 | 26 | 32 | 16 | 10 |
| **ATRES STEN SMALL INTEST** | | | | | | | |
| Index 1 | Cases | 57 | 0 | 1 | 0 | 0 | 0 |
| | Controls | 1606 | 53 | 26 | 23 | 12 | 17 |
| Index 2 | Cases | 57 | 1 | 2 | 0 | 0 | 0 |
| | Controls | 1606 | 54 | 25 | 32 | 14 | 9 |
| **ATRES STEN RECT ANUS** | | | | | | | |
| Index 1 | Cases | 68 | 1 | 2 | 0 | 2 | 0 |
| | Controls | 1639 | 56 | 28 | 25 | 16 | 19 |
| Index 2 | Cases | 68 | 3 | 0 | 2 | 1 | 0 |
| | Controls | 1639 | 60 | 38 | 30 | 16 | 10 |
| **HIRSCHSPRUNGS DISEASE** | | | | | | | |
| Index 1 | Cases | 33 | 0 | 0 | 0 | 1 | 1 |
| | Controls | 1407 | 43 | 23 | 20 | 11 | 18 |
| Index 2 | Cases | 33 | 0 | 0 | 0 | 0 | 1 |
| | Controls | 1407 | 49 | 27 | 25 | 14 | 9 |
| **ANOM INTEST FIXATION** | | | | | | | |
| Index 1 | Cases | 33 | 0 | 0 | 1 | 0 | 2 |
| | Controls | 1329 | 51 | 22 | 20 | 9 | 16 |
| Index 2 | Cases | 33 | 0 | 0 | 1 | 3 | 0 |
| | Controls | 1383 | 57 | 30 | 25 | 10 | 9 |
| **ANOM GALL-BLAD, BILE, LIVER** | | | | | | | |
| Index 1 | Cases | 15 | 0 | 1 | 0 | 3 | 0 |
| | Controls | 360 | 43 | 16 | 17 | 7 | 11 |
| Index 2 | Cases | 15 | 1 | 2 | 0 | 0 | 0 |
| | Controls | 360 | 41 | 22 | 24 | 9 | 7 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **ANOM PANCREAS** | | | | | | | |
| Index 1 | Cases | 8 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 601 | 23 | 11 | 9 | 4 | 8 |
| Index 2 | Cases | 8 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 601 | 23 | 11 | 16 | 3 | 4 |
| **INDETERMINATE SEX** | | | | | | | |
| Index 1 | Cases | 5 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 465 | 18 | 16 | 7 | 3 | 7 |
| Index 2 | Cases | 5 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 465 | 22 | 13 | 11 | 3 | 4 |
| **HYPOSPADIAS** | | | | | | | |
| Index 1 | Cases | 440 | 16 | 3 | 4 | 4 | 9 |
| | Controls | 2122 | 70 | 31 | 31 | 17 | 23 |
| Index 2 | Cases | 440 | 14 | 3 | 6 | 3 | 6 |
| | Controls | 2122 | 76 | 42 | 40 | 21 | 14 |
| **EPISPADIAS** | | | | | | | |
| Index 1 | Cases | 11 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 511 | 20 | 6 | 11 | 3 | 8 |
| Index 2 | Cases | 11 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 511 | 19 | 10 | 14 | 6 | 4 |
| **ANOM OVARY, FALLOP, UTERUS** | | | | | | | |
| Index 1 | Cases | 13 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 855 | 34 | 19 | 20 | 8 | 13 |
| Index 2 | Cases | 13 | 0 | 2 | 0 | 0 | 0 |
| | Controls | 855 | 39 | 22 | 22 | 11 | 10 |
| **ANOM VAGINA, EXT FEM GENIT** | | | | | | | |
| Index 1 | Cases | 29 | 2 | 0 | 1 | 1 | 0 |
| | Controls | 1425 | 51 | 23 | 23 | 12 | 20 |
| Index 2 | Cases | 29 | 2 | 2 | 0 | 0 | 0 |
| | Controls | 1425 | 57 | 31 | 28 | 16 | 11 |
| **PSEUDOHERMAPHRODITISM** | | | | | | | |
| Index 1 | Cases | 20 | 1 | 1 | 0 | 0 | 0 |
| | Controls | 961 | 37 | 20 | 10 | 7 | 13 |
| Index 2 | Cases | 20 | 0 | 1 | 1 | 0 | 0 |
| | Controls | 961 | 41 | 18 | 20 | 9 | 5 |
| **RENAL AGENESIS** | | | | | | | |
| Index 1 | Cases | 45 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 1328 | 43 | 18 | 22 | 9 | 17 |
| Index 2 | Cases | 45 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 1328 | 44 | 25 | 26 | 13 | 8 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **CYSTIC KIDNEY DISEASE** | | | | | | | |
| Index 1 | Cases | 37 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 1249 | 42 | 22 | 20 | 6 | 14 |
| Index 2 | Cases | 37 | 0 | 1 | 0 | 0 | 0 |
| | Controls | 1249 | 45 | 28 | 23 | 14 | 6 |
| **OBSTRUCT DEF URIN TRACT** | | | | | | | |
| Index 1 | Cases | 65 | 2 | 2 | 2 | 0 | 1 |
| | Controls | 1489 | 52 | 26 | 25 | 14 | 17 |
| Index 2 | Cases | 65 | 2 | 2 | 1 | 1 | 0 |
| | Controls | 1489 | 54 | 37 | 31 | 17 | 10 |
| **EXSTROPHY URIN BLADDER** | | | | | | | |
| Index 1 | Cases | 9 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 491 | 14 | 5 | 12 | 3 | 7 |
| Index 2 | Cases | 9 | 0 | 0 | 0 | 1 | 0 |
| | Controls | 491 | 16 | 7 | 12 | 6 | 3 |
| **ATRES STEN URETHRA, BLAD** | | | | | | | |
| Index 1 | Cases | 39 | 1 | 1 | 0 | 1 | 0 |
| | Controls | 1418 | 44 | 23 | 26 | 11 | 15 |
| Index 2 | Cases | 39 | 2 | 0 | 1 | 1 | 0 |
| | Controls | 1539 | 56 | 34 | 31 | 15 | 9 |
| **CLUBFOOT** | | | | | | | |
| Index 1 | Cases | 641 | 27 | 11 | 3 | 7 | 6 |
| | Controls | 2166 | 72 | 30 | 31 | 17 | 23 |
| Index 2 | Cases | 641 | 20 | 11 | 15 | 6 | 4 |
| | Controls | 2168 | 75 | 44 | 39 | 23 | 14 |
| **SELECTED CLUBFOOT** | | | | | | | |
| Index 1 | Cases | 417 | 16 | 7 | 3 | 5 | 2 |
| | Controls | 2151 | 71 | 30 | 31 | 17 | 23 |
| Index 2 | Cases | 417 | 12 | 6 | 9 | 4 | 3 |
| | Controls | 2153 | 75 | 44 | 39 | 23 | 14 |
| **REDUCTION DEFORMITY** | | | | | | | |
| Index 1 | Cases | 113 | 4 | 2 | 2 | 3 | 1 |
| | Controls | 1904 | 66 | 29 | 30 | 15 | 21 |
| Index 2 | Cases | 113 | 6 | 4 | 2 | 2 | 0 |
| | Controls | 1906 | 68 | 39 | 37 | 20 | 12 |
| **GEN FLEXION CONTRACTURE** | | | | | | | |
| Index 1 | Cases | 14 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 887 | 36 | 12 | 16 | 6 | 12 |
| Index 2 | Cases | 14 | 1 | 0 | 1 | 1 | 0 |
| | Controls | 904 | 37 | 18 | 19 | 9 | 8 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **CHONDRODYSTROPHY** | | | | | | | |
| Index 1 | Cases | 9 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 607 | 21 | 15 | 10 | 6 | 4 |
| Index 2 | Cases | 9 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 607 | 21 | 17 | 12 | 4 | 4 |
| **OSTEOGENESIS IMPERFECTA** | | | | | | | |
| Index 1 | Cases | 7 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 492 | 15 | 9 | 11 | 3 | 5 |
| Index 2 | Cases | 7 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 492 | 11 | 8 | 12 | 5 | 3 |
| **HEREDITARY OEDEMA OF LEGS** | | | | | | | |
| Index 1 | Cases | 1 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 92 | 8 | 1 | 0 | 1 | 2 |
| Index 2 | Cases | 1 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 92 | 6 | 1 | 4 | 1 | 0 |
| **SPEC ANOM HAIR** | | | | | | | |
| Index 1 | Cases | 7 | 0 | 0 | 0 | 1 | 0 |
| | Controls | 320 | 3 | 3 | 5 | 3 | 1 |
| Index 2 | Cases | 7 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 263 | 2 | 3 | 4 | 4 | 0 |
| **SPEC ANOM NAILS** | | | | | | | |
| Index 1 | Cases | 7 | 0 | 1 | 1 | 0 | 0 |
| | Controls | 430 | 13 | 10 | 8 | 4 | 3 |
| Index 2 | Cases | 7 | 0 | 0 | 2 | 0 | 0 |
| | Controls | 430 | 16 | 13 | 7 | 4 | 2 |
| **ANOMALIES OF SPLEEN** | | | | | | | |
| Index 1 | Cases | 27 | 0 | 0 | 2 | 0 | 0 |
| | Controls | 1180 | 46 | 23 | 16 | 7 | 15 |
| Index 2 | Cases | 27 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 1155 | 46 | 22 | 25 | 9 | 7 |
| **ANOM ADRENAL GLAND** | | | | | | | |
| Index 1 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 477 | 17 | 11 | 6 | 2 | 4 |
| Index 2 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 477 | 15 | 14 | 8 | 3 | 3 |
| **ANOM THYROID GLAND** | | | | | | | |
| Index 1 | Cases | 18 | 1 | 0 | 1 | 0 | 0 |
| | Controls | 823 | 36 | 14 | 11 | 8 | 12 |
| Index 2 | Cases | 18 | 0 | 1 | 0 | 1 | 0 |
| | Controls | 823 | 43 | 21 | 15 | 9 | 6 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **ANOM OTHER ENDOCRINE** | | | | | | | |
| Index 1 | Cases | 7 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 496 | 24 | 11 | 8 | 5 | 10 |
| Index 2 | Cases | 7 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 617 | 31 | 18 | 16 | 6 | 6 |
| **SITUS INVERSUS** | | | | | | | |
| Index 1 | Cases | 8 | 0 | 0 | 1 | 0 | 1 |
| | Controls | 448 | 14 | 10 | 4 | 4 | 3 |
| Index 2 | Cases | 8 | 0 | 0 | 2 | 0 | 0 |
| | Controls | 448 | 16 | 10 | 4 | 5 | 2 |
| **CONJOINED TWINS** | | | | | | | |
| Index 1 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 310 | 11 | 4 | 8 | 4 | 5 |
| Index 2 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 310 | 12 | 10 | 9 | 2 | 3 |
| **OTH FORM MONSTER** | | | | | | | |
| Index 1 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 324 | 16 | 5 | 9 | 2 | 7 |
| Index 2 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 324 | 12 | 4 | 13 | 4 | 3 |
| **DOWN'S DISEASE** | | | | | | | |
| Index 1 | Cases | 169 | 7 | 2 | 3 | 0 | 2 |
| | Controls | 2042 | 68 | 29 | 32 | 17 | 22 |
| Index 2 | Cases | 169 | 8 | 3 | 2 | 2 | 0 |
| | Controls | 2042 | 69 | 41 | 37 | 21 | 14 |
| **OTH SYND AUTOSOMAL ABNORM** | | | | | | | |
| Index 1 | Cases | 38 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 1161 | 39 | 18 | 22 | 8 | 15 |
| Index 2 | Cases | 38 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 1161 | 41 | 21 | 27 | 9 | 6 |
| **TUBEROUS SCLEROSIS** | | | | | | | |
| Index 1 | Cases | 1 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 5 | 0 | 1 | 0 | 0 | 0 |
| Index 2 | Cases | 1 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 5 | 1 | 0 | 0 | 0 | 0 |
| **OTH SPEC SYNDROME** | | | | | | | |
| Index 1 | Cases | 15 | 3 | 0 | 1 | 1 | 0 |
| | Controls | 280 | 29 | 16 | 9 | 6 | 8 |
| Index 2 | Cases | 15 | 1 | 1 | 2 | 1 | 0 |
| | Controls | 280 | 35 | 19 | 10 | 8 | 5 |
| **POTTER SYNDROME** | | | | | | | |
| Index 1 | Cases | 30 | 0 | 0 | 1 | 0 | 0 |
| | Controls | 1064 | 38 | 17 | 18 | 6 | 16 |
| Index 2 | Cases | 30 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 1064 | 38 | 18 | 24 | 10 | 7 |

## Appendix C — *Continued*
### Distributions of Agent Orange Exposure Opportunity Index Scores
### for Tests of Hypotheses — Basic Analyses

| | | Index Scores[a] | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| **MULT CONGEN ANOM UNSPEC** | | | | | | | |
| Index 1 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 59 | 5 | 1 | 2 | 1 | 1 |
| Index 2 | Cases | 3 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 59 | 8 | 3 | 2 | 2 | 0 |
| **DIAPHRAGMATIC HERNIA** | | | | | | | |
| Index 1 | Cases | 56 | 2 | 0 | 0 | 1 | 0 |
| | Controls | 1601 | 54 | 26 | 27 | 11 | 18 |
| Index 2 | Cases | 56 | 2 | 0 | 0 | 0 | 0 |
| | Controls | 1601 | 58 | 35 | 27 | 18 | 11 |
| **OMPHALOCELE** | | | | | | | |
| Index 1 | Cases | 78 | 3 | 0 | 5 | 1 | 1 |
| | Controls | 1943 | 67 | 27 | 32 | 17 | 21 |
| Index 2 | Cases | 78 | 3 | 0 | 2 | 5 | 0 |
| | Controls | 1943 | 72 | 41 | 38 | 20 | 14 |
| **OTHER NEOPLASM** | | | | | | | |
| Index 1 | Cases | 70 | 3 | 0 | 1 | 1 | 2 |
| | Controls | 1602 | 54 | 28 | 17 | 13 | 16 |
| Index 2 | Cases | 70 | 4 | 4 | 3 | 2 | 0 |
| | Controls | 1643 | 59 | 28 | 30 | 15 | 11 |
| **CYTOMEGALOVIRUS** | | | | | | | |
| Index 1 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Control | 268 | 14 | 4 | 2 | 1 | 3 |
| Index 2 | Cases | 6 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 268 | 13 | 8 | 5 | 2 | 0 |
| **HERPES SIMPLEX** | | | | | | | |
| Index 1 | Cases | 5 | 1 | 0 | 0 | 0 | 0 |
| | Controls | 350 | 11 | 5 | 5 | 2 | 3 |
| Index 2 | Cases | 5 | 0 | 1 | 0 | 0 | 0 |
| | Controls | 350 | 8 | 7 | 7 | 3 | 2 |
| **SYPHILIS** | | | | | | | |
| Index 1 | Cases | 4 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 69 | 1 | 0 | 1 | 1 | 0 |
| Index 2 | Cases | 4 | 0 | 0 | 0 | 0 | 0 |
| | Controls | 69 | 2 | 1 | 0 | 0 | 1 |