

**SISTER STUDY JOB MODULE: MICROCHIP MANUFACTURING**

MCM1. How many different full-time or part-time jobs have you had working in a microchip manufacturing “clean room”?

# JOBS

I am going to ask about some specific tasks that you may have done working in microchip manufacturing “clean rooms.”  
**<IF MORE THAN 1 JOB READ THE FOLLOWING SCRIPT:>** In answering these questions, please think about your overall experience in all of your jobs of this type.

MCM2. Did [*any of*] the manufacturer[s] you worked for make wafers?

- YES..... 1
- NO ..... [GO TO 4]..... 2
- REF ..... [GO TO 4]..... 7
- DK ..... [GO TO 4]..... 8

MCM3. Which of the following materials were the wafers made of?

- |                          | Y | N | REF | DK |
|--------------------------|---|---|-----|----|
| a. silicon.....          | 1 | 2 | 7   | 8  |
| b. gallium-arsenide..... | 1 | 2 | 7   | 8  |
| c. something else.....   | 1 | 2 | 7   | 8  |
- Please specify: \_\_\_\_\_

MCM4. Did you work in an area where the electrical junctions between different parts of the wafer were made?

- YES..... 1
- NO ..... [GO TO 8]..... 2
- REF ..... [GO TO 8]..... 7
- DK ..... [GO TO 8]..... 8

MCM5. How many years in total did you work in a job where you did this (work in an area where the electrical junctions between different parts of the wafer were made)?

#YEARS

MCM6. In the years that you did this, how many months and/or weeks per year, on average, did you do this (work in an area where the electrical junctions between different parts of the wafer were made)?

        
 MONTHS/YR      WEEKS/YR

MCM7. On average, how many hours per week did you do this? (work in an area where the electrical junctions between different parts of the wafer were made)?

# HOURS PER WEEK

MCM8. Did you work in an area where wafers were put in a heated furnace or chamber to build layers of chemicals or dopant on the wafer?

- YES..... 1
- NO ..... [GO TO 13]..... 2
- REF ..... [GO TO 13]..... 7
- DK ..... [GO TO 13]..... 8

MCM9. How many years in total did you work in a job where you did this (work in an area where wafers were put in a heated furnace or chamber to build layers of chemicals or dopant on the wafer)?

#YEARS

MCM10. In the years that you did this, how many months and/or weeks per year, on average did you do this? (work in an area where wafers were put in a heated furnace or chamber to build layers of chemicals or dopant on the wafer)?

MONTHS/YR      WEEKS/YR

MCM11. On average, how many hours per week did you do this? (work in an area where wafers were put in a heated furnace or chamber to build layers of chemicals or dopant on the wafer)?

# HOURS PER WEEK

MCM12. Did you ever clean the furnace or chamber (where wafers were placed to build layers of chemicals on them)?

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

MCM13. Did you work in an area where wafers were cut or polished?

YES..... 1  
NO ..... [GO TO 18]..... 2  
REF ..... [GO TO 18]..... 7  
DK ..... [GO TO 18]..... 8

MCM14. How many years in total did you work in a job where you did this (work in an area where wafers were cut or polished)?

#YEARS

MCM15. In the years that you did this, how many months and/or weeks per year, on average, did you do this (work in an area where wafers were cut or polished)?

MONTHS/YR      WEEKS/YR

MCM16. On average, how many hours per week did you do this? (work in an area where wafers were cut or polished)?

# HOURS PER WEEK

MCM17. Did you cut or polish the wafers yourself, or did someone else do it?

RESPONDENT HERSELF ..... 1  
SOMEONE ELSE ..... 2

MCM18. Did you work in an area where wafers were etched in tanks containing chemicals?

YES..... 1  
NO ..... [GO TO 22]..... 2  
REF ..... [GO TO 22]..... 7  
DK ..... [GO TO 22]..... 8

MCM19. How many years in total did you work in a job where you did this (work in an area where wafers were etched in tanks containing chemicals)?

#YEARS

MCM20. In the years that you did this, how many months and/or weeks per year, on average, did you do this (work in an area where wafers were etched in tanks containing chemicals)?

# MONTHS PER YEAR

MCM21. On average, how many hours per week did you do this? (work in an area where wafers were etched in tanks containing chemicals)?

# HOURS PER WEEK

MCM22. About how often did you wear a “clean room bunny suit” or full body suit? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

MCM23. About how often did you wear an acid apron or smock? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

MCM24. About how often did you wear chemically resistant gloves? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

MCM25. About how often did you wear chemically resistant boots? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

MCM26. About how often did you wear safety goggles or a face mask? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

MCM27. About how often did you use a respirator? Was it...

Rarely or never ..... 1  
Sometimes ..... 2  
Half the time ..... 3  
Most of the time ..... 4  
Always ..... 5

Thank you for answering these questions about your work in microchip manufacturing “clean rooms.” Now I will ask about some other industries. **<RETURN TO CATI>**