

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D1 EM Res- ponder	Overall	1324	5.2	94.8	1.1
	M/S FP	326	5.9 ^a	94.1	1.5
	M/S Near FP	264	5.9 ^a	94.1	1.6
	M/S Out FP	304	4.5 ^a	95.5	1.4
	M/S Plume	71	11.3 ^a	88.7	7.1
	Jackson/Calhoun	359	5.4 ^a	94.6	1.7

Note: EM refers to emergency. D1 asked participants whether they had ever served as an emergency responder such as fire fighter, police officer, or emergency medical technician.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

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# YEARS SERVED AS AN EMERGENCY RESPONDER: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D1 EM Res- ponder	Overall	71	11.0	1.6	2.0	3.0	9.0	16.0	28.0
	M/S FP	20	12.9	2.8	3.0	5.0	10.0	17.0	40.0
	M/S Near FP	17	11.2	2.0	1.0	3.0	14.0	17.0	22.0
	M/S Out FP	14	15.9	3.5	1.0	3.0	16.0	26.0	29.0
	M/S Plume	5	13.3	2.6	---	---	16.0	---	---
	Jackson/Calhoun	15	7.0	1.5	2.0	3.0	6.0	9.0	28.0
# YEARS SERVED AS AN EMERGENCY RESPONDER: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D1 EM Res- ponder	Overall	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS SERVED AS AN EMERGENCY RESPONDER: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D1 EM Res- ponder	Overall	53	0.5 ^a	0.4	0.0	0.0	0.0	0.0	5.0
	M/S FP	16	0.4 ^a	0.4	0.0	0.0	0.0	0.0	1.0
	M/S Near FP	12	0.5 ^a	0.5	0.0	0.0	0.0	0.0	6.0
	M/S Out FP	11	0.9 ^a	0.8	0.0	0.0	0.0	0.0	5.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	10	0.3 ^a	0.2	0.0	0.0	0.0	0.0	2.0

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS SERVED AS AN EMERGENCY RESPONDER: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D1 EM Res- ponder	Overall	69	3.0 ^a	1.2	0.0	0.0	0.0	3.0	20.0
	M/S FP	19	4.5 ^a	1.5	0.0	0.0	1.0	6.0	20.0
	M/S Near FP	17	4.5 ^a	1.4	0.0	0.0	2.0	5.0	18.0
	M/S Out FP	14	6.0 ^a	2.7	0.0	0.0	3.0	10.0	20.0
	M/S Plume	5	0.5 ^a	0.5	---	---	0.0	---	---
	Jackson/Calhoun	14	0.8 ^a	0.3	0.0	0.0	0.0	1.0	3.0
# YEARS SERVED AS AN EMERGENCY RESPONDER: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D1 EM Res- ponder	Overall	71	7.8	1.3	0.0	1.0	6.0	11.0	22.0
	M/S FP	20	8.7	2.0	0.0	0.0	10.0	17.0	25.0
	M/S Near FP	17	6.4 ^a	1.7	0.0	0.0	7.0	12.0	15.0
	M/S Out FP	14	9.2	2.3	1.0	2.0	6.0	16.0	22.0
	M/S Plume	5	12.8	2.9	---	---	16.0	---	---
	Jackson/Calhoun	15	6.1 ^a	1.6	0.0	0.0	5.0	9.0	26.0

Note: Table shows the total number of years among participants who had ever served as an emergency responder such as fire fighter, police officer, or emergency medical technician and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

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Procedure: PROC 3

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D2 Respond to Chemical spill	Overall	1324	1.1 ^a	98.9	0.3
	M/S FP	326	1.0 ^a	99.0	0.6
	M/S Near FP	264	1.0 ^a	99.0	0.5
	M/S Out FP	304	1.0 ^a	99.0	0.5
	M/S Plume	71	3.0 ^a	97.0	1.9
	Jackson/Calhoun	359	1.0 ^a	99.0	0.5

Note: D2 asked participants whether they had ever responded to a chemical spill.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS RESPONDING TO A CHEMICAL SPILL: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D2 Respond to Chemical spill	Overall	19	3.2	1.3	0.0	0.0	0.0	6.0	18.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS RESPONDING TO A CHEMICAL SPILL: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D2 Respond to Chemical spill	Overall	19	8.3	1.7	1.0	1.0	1.0	21.0	22.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---

Note: Table shows the total number of years among participants who had ever responded to a chemical spill and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

*** Nonzero reports from imputed data. Estimate is not shown.

--- Estimate not shown to maintain confidentiality of study participants.

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QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D3 Respond to Fire	Overall	1324	2.7	97.3	0.7
	M/S FP	326	3.1 ^a	96.9	1.1
	M/S Near FP	264	3.3 ^a	96.7	1.4
	M/S Out FP	304	2.9 ^a	97.1	0.9
	M/S Plume	71	10.4 ^a	89.6	7.1
	Jackson/Calhoun	359	2.1 ^a	97.9	1.0

Note: D3 asked participants whether they had ever responded to a fire of any kind.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS RESPONDING TO A FIRE: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D3 Respond to Fire	Overall	34	5.2 ^a	1.9	0.0	0.0	1.0	10.0	20.0
	M/S FP	9	3.6 ^a	2.4	---	---	1.2	---	---
	M/S Near FP	8	5.6 ^a	2.7	---	---	0.4	---	---
	M/S Out FP	9	9.2 ^a	2.8	---	---	7.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS RESPONDING TO A FIRE: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D3 Respond to Fire	Overall	36	7.3 ^a	1.9	0.0	1.0	4.0	16.0	22.0
	M/S FP	10	8.8 ^a	3.3	0.0	1.0	3.0	18.0	21.4
	M/S Near FP	8	7.9 ^a	2.8	---	---	9.0	---	---
	M/S Out FP	9	9.1 ^a	3.2	---	---	6.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	5	2.7 ^a	1.7	---	---	1.0	---	---

Note: Table shows the total number of years among participants who had ever responded to a fire of any kind and were alive during the years of interest.

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D4 Had a Job with Dioxin Exposure	Overall	1324	16.6	83.4	1.5
	M/S FP	326	17.3	82.7	2.4
	M/S Near FP	264	19.9	80.1	3.1
	M/S Out FP	304	16.8	83.2	2.2
	M/S Plume	71	9.6 ^a	90.4	3.8
	Jackson/Calhoun	359	16.8	83.2	2.2

Note: D4 asked participants whether they have ever worked in waste disposal, including incinerator, wastewater, solid waste, and scrapped equipment; in a foundry, including working at the General Motors foundry in Saginaw; spraying chemicals to kill plants or weeds; in metal scrap yards other than for automobiles; in a water treatment facility; or in the paper industry.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D5 Worked in Waste Disposal	Overall	1324	2.6 ^a	97.4	0.7
	M/S FP	326	2.3 ^a	97.7	0.9
	M/S Near FP	264	4.1 ^a	95.9	1.3
	M/S Out FP	304	2.5 ^a	97.5	1.1
	M/S Plume	71	0.9 ^a	99.1	0.9
	Jackson/Calhoun	359	2.7 ^a	97.3	1.0

Note: D5 asked participants whether they have ever worked in waste disposal including incinerator, wastewater, solid waste, and scrapped equipment.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN WASTE DISPOSAL: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D5 Worked in Waste Disposal	Overall	36	6.1 ^a	2.1	1.0	1.6	2.0	7.8	31.0
	M/S FP	9	8.3 ^a	3.6	---	---	3.0	---	---
	M/S Near FP	11	11.1 ^a	3.7	1.0	3.0	5.0	16.0	39.0
	M/S Out FP	8	8.0 ^a	3.7	---	---	4.4	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	7	4.3 ^a	1.8	---	---	2.0	---	---
# YEARS WORKED IN WASTE DISPOSAL: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D5 Worked in Waste Disposal	Overall	---	---	---	---	---	---	---	---
	M/S FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# YEARS WORKED IN WASTE DISPOSAL: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D5 Worked in Waste Disposal	Overall	27	0.6 ^a	0.6	0.0	0.0	0.0	0.0	8.0
	M/S FP	7	0.0	0.0	---	---	0.0	---	---
	M/S Near FP	9	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	6	0.0	0.0	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN WASTE DISPOSAL: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D5 Worked in Waste Disposal	Overall	34	1.5 ^a	1.1	0.0	0.0	0.0	0.0	20.0
	M/S FP	9	1.8 ^a	1.2	---	---	1.0	---	---
	M/S Near FP	10	4.0 ^a	1.4	0.0	0.0	3.0	6.0	13.0
	M/S Out FP	7	3.2 ^a	2.6	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	7	0.1 ^a	0.2	---	---	0.0	---	---
# YEARS WORKED IN WASTE DISPOSAL: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D5 Worked in Waste Disposal	Overall	36	4.3 ^a	1.1	0.0	1.6	2.0	6.6	14.0
	M/S FP	9	6.5 ^a	2.6	---	---	2.0	---	---
	M/S Near FP	11	7.8 ^a	2.8	0.0	0.0	5.0	11.0	26.0
	M/S Out FP	8	4.3 ^a	1.2	---	---	2.8	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	7	4.2 ^a	1.8	---	---	2.0	---	---

Note: Table shows the total number of years among participants who had ever worked in waste disposal including incinerator, wastewater, solid waste, and scrapped equipment and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D6 Worked in Foundry	Overall	1324	8.8	91.2	1.3
	M/S FP	326	9.8	90.2	1.8
	M/S Near FP	264	14.9	85.1	2.9
	M/S Out FP	304	9.7	90.3	2.3
	M/S Plume	71	0.5 ^a	99.5	0.5
	Jackson/Calhoun	359	8.4	91.6	1.6

Note: D6 asked participants whether they have ever worked in a foundry.

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Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN A FOUNDRY: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D6 Worked in Foundry	Overall	126	8.4	1.4	1.0	1.0	4.0	10.0	28.8
	M/S FP	36	10.7	2.4	1.0	1.0	4.0	7.0	41.0
	M/S Near FP	33	11.2	2.4	1.0	2.0	4.4	20.0	39.0
	M/S Out FP	33	11.9	2.8	1.0	2.0	6.0	26.2	36.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	23	4.8	0.9	1.0	1.0	3.0	6.0	15.0
# YEARS WORKED IN A FOUNDRY: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D6 Worked in Foundry	Overall	31	0.3 ^a	0.3	0.0	0.0	0.0	0.0	2.0
	M/S FP	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Near FP	7	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	9	0.0	0.0	---	---	0.0	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED IN A FOUNDRY: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D6 Worked in Foundry	Overall	101	1.1 ^a	0.5	0.0	0.0	0.0	0.0	7.0
	M/S FP	34	0.7 ^a	0.3	0.0	0.0	0.0	0.0	5.0
	M/S Near FP	27	0.8 ^a	0.4	0.0	0.0	0.0	0.0	5.0
	M/S Out FP	27	1.8 ^a	0.8	0.0	0.0	0.0	0.0	10.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	13	0.1 ^a	0.2	0.0	0.0	0.0	0.0	0.0

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN A FOUNDRY: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D6 Worked in Foundry	Overall	120	3.6	0.9	0.0	0.0	0.8	3.0	20.0
	M/S FP	36	4.1	1.0	0.0	0.0	1.0	4.0	18.0
	M/S Near FP	30	4.7	0.9	0.0	1.0	4.0	7.0	16.0
	M/S Out FP	32	5.1 ^a	1.6	0.0	0.0	1.0	9.0	20.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	21	1.9 ^a	0.8	0.0	0.0	0.0	1.0	12.0
# YEARS WORKED IN A FOUNDRY: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D6 Worked in Foundry	Overall	126	4.3	0.7	0.0	0.0	2.0	6.0	16.2
	M/S FP	36	5.9 ^a	1.5	0.0	0.0	0.0	7.0	26.0
	M/S Near FP	33	6.6 ^a	1.7	0.0	0.0	2.0	14.0	26.0
	M/S Out FP	33	5.4 ^a	1.4	0.0	0.0	2.0	9.0	18.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	23	3.0	0.5	0.0	0.0	2.0	4.0	12.0

Note: Table shows the total number of years among participants who had ever worked in a foundry and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D7 Worked in GM Foundry in/around Saginaw	Overall	1324	3.2	96.8	0.7
	M/S FP	326	7.7	92.3	1.6
	M/S Near FP	264	11.1	88.9	2.6
	M/S Out FP	304	6.7	93.3	1.6
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	0.0	100.0	0.0

Note: GM refers to General Motors. D7 asked participants whether they have ever worked in any of the General Motors foundries in or around Saginaw.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN THE GM FOUNDRIES IN OR AROUND SAGINAW: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D7 Worked in GM Foundry in/around Saginaw	Overall	76	15.2	3.1	1.0	5.0	10.0	28.0	38.0
	M/S FP	29	10.6	2.6	1.0	1.0	4.0	7.0	41.0
	M/S Near FP	23	14.2	2.8	1.0	3.2	8.0	27.0	40.0
	M/S Out FP	24	15.4	3.3	1.0	5.0	10.0	28.0	38.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# YEARS WORKED IN THE GM FOUNDRIES IN OR AROUND SAGINAW: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D7 Worked in GM Foundry in/around Saginaw	Overall	20	0.5 ^a	0.6	0.0	0.0	0.0	0.0	5.0
	M/S FP	9	0.0	0.0	---	---	0.0	---	---
	M/S Near FP	5	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	6	0.5 ^a	0.6	---	---	0.0	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# YEARS WORKED IN THE GM FOUNDRIES IN OR AROUND SAGINAW: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D7 Worked in GM Foundry in/around Saginaw	Overall	69	1.9 ^a	0.9	0.0	0.0	0.0	0.0	10.0
	M/S FP	28	0.7 ^a	0.3	0.0	0.0	0.0	0.0	5.0
	M/S Near FP	21	0.8 ^a	0.4	0.0	0.0	0.0	0.0	5.0
	M/S Out FP	20	2.0 ^a	0.9	0.0	0.0	0.0	0.0	10.0
	M/S Plume	69	1.9	0.9	0.0	0.0	0.0	0.0	10.0
	Jackson/Calhoun	28	0.7	0.3	0.0	0.0	0.0	0.0	5.0

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN THE GM FOUNDRIES IN OR AROUND SAGINAW: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D7 Worked in GM Foundry in/around Saginaw	Overall	76	6.4 ^a	1.7	0.0	0.0	3.0	12.0	20.0
	M/S FP	29	4.0	1.1	0.0	0.0	1.0	4.0	20.0
	M/S Near FP	23	5.4 ^a	1.0	0.0	1.0	5.0	8.0	16.0
	M/S Out FP	24	6.5 ^a	1.8	0.0	0.0	3.0	12.0	20.0
	M/S Plume	76	6.4	1.7	0.0	0.0	3.0	12.0	20.0
	Jackson/Calhoun	29	4.0	1.1	0.0	0.0	1.0	4.0	20.0
# YEARS WORKED IN THE GM FOUNDRIES IN OR AROUND SAGINAW: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D7 Worked in GM Foundry in/around Saginaw	Overall	76	7.0	1.6	0.0	0.0	5.0	14.0	20.0
	M/S FP	29	5.9 ^a	1.6	0.0	0.0	1.0	7.0	26.0
	M/S Near FP	23	8.4	2.1	0.0	0.0	3.4	14.0	26.0
	M/S Out FP	24	7.0	1.7	0.0	0.0	5.0	14.0	20.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: Table shows the total number of years among participants who had ever worked in any of the General Motors foundries in or around Saginaw and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D8 Spraying Chemicals	Overall	1324	5.2	94.8	1.1
	M/S FP	326	4.3 ^a	95.7	1.4
	M/S Near FP	264	2.9 ^a	97.1	1.1
	M/S Out FP	304	4.7 ^a	95.3	1.2
	M/S Plume	71	1.8 ^a	98.2	1.3
	Jackson/Calhoun	359	5.8 ^a	94.2	1.8

Note: D8 asked participants whether their work has ever involved spraying chemicals to kill plants or weeds.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORK INVOLVED SPRAYING CHEMICALS : TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D8 Spraying Chemicals	Overall	52	12.0	2.1	1.8	5.0	8.0	16.0	36.0
	M/S FP	12	5.9	1.4	1.0	4.0	5.0	7.0	20.0
	M/S Near FP	8	9.1 ^a	2.3	---	---	6.0	---	---
	M/S Out FP	12	12.7 ^a	4.0	1.8	3.4	8.0	16.0	40.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	18	11.7	2.3	1.0	6.0	8.0	18.0	36.0
# YEARS WORK INVOLVED SPRAYING CHEMICALS: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D8 Spraying Chemicals	Overall	6	0.0	0.0	---	---	0.0	---	---
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORK INVOLVED SPRAYING CHEMICALS: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D8 Spraying Chemicals	Overall	29	2.3 ^a	2.1	0.0	0.0	0.0	0.0	20.0
	M/S FP	6	0.3 ^a	0.3	---	---	0.0	---	---
	M/S Near FP	7	0.3 ^a	0.2	---	---	0.0	---	---
	M/S Out FP	6	5.0 ^a	4.7	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	9	0.4 ^a	0.3	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORK INVOLVED SPRAYING CHEMICALS: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D8 Spraying Chemicals	Overall	48	3.0 ^a	0.9	0.0	0.0	0.0	7.0	14.0
	M/S FP	11	1.1 ^a	0.6	0.0	0.0	0.0	1.0	7.0
	M/S Near FP	8	5.9 ^a	1.8	---	---	4.0	---	---
	M/S Out FP	9	3.2 ^a	1.8	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	18	2.9 ^a	1.0	0.0	0.0	0.0	7.0	10.0
# YEARS WORK INVOLVED SPRAYING CHEMICALS: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D8 Spraying Chemicals	Overall	52	8.1	1.4	0.0	2.0	6.0	12.0	26.0
	M/S FP	12	4.8 ^a	1.5	0.0	0.0	4.0	7.0	20.0
	M/S Near FP	8	2.9 ^a	1.3	---	---	0.0	---	---
	M/S Out FP	12	7.8 ^a	2.5	0.0	2.0	6.0	10.8	26.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	18	8.6	1.8	0.0	2.0	8.0	12.0	26.0

Note: Table shows the total number of years among participants who had ever involved spraying chemicals to kill plants or weeds and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D9 Worked in Metal Scrap Yard	Overall	1324	1.4 ^a	98.6	0.5
	M/S FP	326	1.1 ^a	98.9	0.7
	M/S Near FP	264	0.4 ^a	99.6	0.4
	M/S Out FP	304	0.7 ^a	99.3	0.4
	M/S Plume	71	3.9 ^a	96.1	3.0
	Jackson/Calhoun	359	1.8 ^a	98.2	0.9

Note: D9 asked participants whether they have ever worked in metal scrap yards other than for automobiles.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN METAL SCRAP YARDS: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D9 Worked in Metal Scrap Yard	Overall	16	1.8 ^a	1.2	0.0	0.0	0.0	1.4	11.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	6	0.3	***	---	---	0.0	---	---
# YEARS WORKED IN METAL SCRAP YARDS: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D9 Worked in Metal Scrap Yard	Overall	16	5.2 ^a	1.9	1.0	1.0	3.0	7.0	20.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	7	3.8 ^a	2.0	---	---	1.0	---	---

Note: Table shows the total number of years among participants who had ever worked in metal scrap yards other than for automobiles and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

*** Nonzero reports from imputed data. Estimate is not shown.

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D10 Worked in Water Trt. Facility	Overall	1324	1.2 ^a	98.8	0.5
	M/S FP	326	1.7 ^a	98.3	0.8
	M/S Near FP	264	1.3 ^a	98.7	0.6
	M/S Out FP	304	1.1 ^a	98.9	0.6
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	1.3 ^a	98.7	0.7

Note: Trt. refers to treatment. D10 asked participants whether they have ever worked in the paper industry.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN A WATER TREATMENT FACILITY: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D10 Worked in Water Trt. Facility	Overall	16	4.3 ^a	3.0	0.0	0.0	0.6	7.0	20.0
	M/S FP	5	0.2 ^a	0.2	---	---	0.0	---	---
	M/S Near FP	5	2.1 ^a	1.6	---	---	0.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED IN A WATER TREATMENT FACILITY: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D10 Worked in Water Trt. Facility	Overall	16	1.6 ^a	0.4	0.0	0.8	1.4	2.2	3.0
	M/S FP	5	3.0 ^a	1.4	---	---	2.0	---	---
	M/S Near FP	5	11.1 ^a	4.8	---	---	5.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---

Note: Table shows the total number of years among participants who had ever worked in the paper industry and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D11 Worked in the Paper Industry	Overall	1324	2.2 ^a	97.8	0.6
	M/S FP	326	1.6 ^a	98.4	1.0
	M/S Near FP	264	3.3 ^a	96.7	1.4
	M/S Out FP	304	2.1 ^a	97.9	0.8
	M/S Plume	71	3.4 ^a	96.6	1.8
	Jackson/Calhoun	359	2.3 ^a	97.7	1.0

Note: D11 asked participants whether they have ever worked in the paper industry.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN THE PAPER INDUSTRY : TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D11 Worked in the Paper Industry	Overall	31	15.2	3.1	1.0	2.0	13.0	23.4	42.2
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	7	5.5 ^a	3.1	---	---	2.0	---	---
	M/S Out FP	7	8.6 ^a	3.2	---	---	2.2	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	9	21.1 ^a	5.7	---	---	21.0	---	---
# YEARS WORKED IN THE PAPER INDUSTRY: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D11 Worked in the Paper Industry	Overall	5	0.0	0.0	---	---	0.0	---	---
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED IN THE PAPER INDUSTRY: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D11 Worked in the Paper Industry	Overall	22	1.3	1.2	0.0	0.0	0.0	0.0	17.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	5	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	5	0.0	0.0	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	6	2.2	2.4	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED IN THE PAPER INDUSTRY: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D11 Worked in the Paper Industry	Overall	31	3.5 ^a	1.5	0.0	0.0	0.0	6.0	20.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	7	1.6 ^a	0.8	---	---	0.0	---	---
	M/S Out FP	7	1.7 ^a	0.7	---	---	1.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	9	5.3 ^a	3.2	---	---	0.0	---	---
# YEARS WORKED IN THE PAPER INDUSTRY: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D11 Worked in the Paper Industry	Overall	31	10.8	2.1	0.0	1.0	8.4	21.0	26.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	7	3.9 ^a	2.5	---	---	2.0	---	---
	M/S Out FP	7	7.0 ^a	2.9	---	---	1.4	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	9	14.1	3.0	---	---	21.0	---	---

Note: Table shows the total number of years among participants who had ever worked in the paper industry and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

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DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D12	Overall	1324	5.6	94.4	0.9
Worked	M/S FP	326	5.9	94.1	1.5
With	M/S Near FP	264	4.8 ^a	95.2	1.3
Dioxin-	M/S Out FP	304	8.0 ^a	92.0	1.7
related	M/S Plume	71	1.0	99.0	1.0
Chemicals	Jackson/Calhoun	359	3.7 ^a	96.3	1.1

Note: D12 asked participants whether they have ever worked in the production, formulation, use or disposal of chlorophenol, Agent Orange, Agent Purple, Agent Pink, or Agent Green, other herbicides, weed killers, or brush killers, PCP or pentachlorophenol, 2, 4-D, or trichlorophenol and its derivatives, such as 2, 4, 5-T.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED WITH SPECIFIC DIOXIN-RELATED CHEMICALS: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D12 Worked With Dioxin- related Chemicals	Overall	67	10.0	1.9	1.0	2.0	7.0	16.0	31.0
	M/S FP	19	12.1	2.6	1.0	2.8	8.2	19.0	36.0
	M/S Near FP	14	11.0	1.9	2.0	4.0	11.0	15.0	27.0
	M/S Out FP	21	9.9 ^a	2.7	1.0	2.0	7.0	16.0	40.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	12	10.0	2.5	1.0	2.0	5.0	14.0	28.0
# YEARS WORKED WITH SPECIFIC DIOXIN-RELATED CHEMICALS: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D12 Worked With Dioxin- related Chemicals	Overall	12	0.5 ^a	0.5	0.0	0.0	0.0	0.0	4.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	5	0.0	0.0	---	---	0.0	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED WITH SPECIFIC DIOXIN-RELATED CHEMICALS: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D12 Worked With Dioxin- related Chemicals	Overall	47	1.2 ^a	0.7	0.0	0.0	0.0	0.0	8.0
	M/S FP	14	0.8 ^a	0.6	0.0	0.0	0.0	0.0	4.0
	M/S Near FP	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Out FP	14	0.6 ^a	0.5	0.0	0.0	0.0	0.0	8.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	6	2.6 ^a	2.1	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED WITH SPECIFIC DIOXIN-RELATED CHEMICALS: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D12 Worked With Dioxin- related Chemicals	Overall	64	2.6 ^a	0.8	0.0	0.0	0.0	2.0	16.0
	M/S FP	19	3.3 ^a	1.0	0.0	0.0	2.2	5.4	10.4
	M/S Near FP	13	3.4 ^a	1.1	0.0	0.0	2.0	7.0	10.0
	M/S Out FP	19	3.1 ^a	1.3	0.0	0.0	0.0	2.0	16.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	12	1.6 ^a	0.7	0.0	0.0	0.0	2.0	10.0
# YEARS WORKED WITH SPECIFIC DIOXIN-RELATED CHEMICALS: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D12 Worked With Dioxin- related Chemicals	Overall	67	6.9	1.3	0.0	0.0	4.0	12.0	21.0
	M/S FP	19	8.2 ^a	2.1	0.0	0.0	3.6	15.0	26.0
	M/S Near FP	14	8.1	1.6	0.0	4.0	8.0	10.0	26.0
	M/S Out FP	21	6.9 ^a	1.7	0.0	1.0	3.0	11.0	26.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	12	6.8 ^a	1.8	0.0	0.0	5.0	14.0	20.0

Note: Table shows the total number of years among participants who had ever worked in the production, formulation, use or disposal of above chemicals and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D13a Chloro-phenol	Overall	1324	1.2 ^a	98.8	0.5
	M/S FP	326	1.7 ^a	98.3	1.0
	M/S Near FP	264	1.3 ^a	98.7	0.8
	M/S Out FP	304	2.6 ^a	97.4	1.1
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	0.0	100.0	0.0

	Region	N	% Yes	% No	S.E.
D13b Agent Orange	Overall	1324	1.3 ^a	98.7	0.5
	M/S FP	326	2.1 ^a	97.9	1.0
	M/S Near FP	264	0.5 ^a	99.5	0.3
	M/S Out FP	304	1.7 ^a	98.3	0.9
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	1.0 ^a	99.0	0.6

	Region	N	% Yes	% No	S.E.
D13c Vietnam era Herbicides	Overall	1324	1.2 ^a	98.8	0.5
	M/S FP	326	0.0	100.0	0.0
	M/S Near FP	264	0.0	100.0	0.0
	M/S Out FP	304	1.7 ^a	98.3	0.9
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	1.0 ^a	99.0	0.6

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D13d Other Herbicides	Overall	1324	4.1	95.9	0.8
	M/S FP	326	4.3 ^a	95.7	1.3
	M/S Near FP	264	2.0 ^a	98.0	0.9
	M/S Out FP	304	5.9 ^a	94.1	1.5
	M/S Plume	71	1.0 ^a	99.0	1.0
	Jackson/Calhoun	359	2.7 ^a	97.3	1.0

	Region	N	% Yes	% No	S.E.
D13e PCP	Overall	1324	1.3 ^a	98.7	0.5
	M/S FP	326	2.0 ^a	98.0	1.0
	M/S Near FP	264	0.6 ^a	99.4	0.4
	M/S Out FP	304	2.9 ^a	97.1	1.1
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	0.0	100.0	0.0

	Region	N	% Yes	% No	S.E.
D13f 2,4-D	Overall	1324	2.5	97.5	0.6
	M/S FP	326	2.5 ^a	97.5	1.1
	M/S Near FP	264	0.7 ^a	99.3	0.5
	M/S Out FP	304	3.9 ^a	96.1	1.2
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	1.4 ^a	98.6	0.6

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D13g 2,4,5-T	Overall	1324	1.2 ^a	98.8	0.5
	M/S FP	326	1.7 ^a	98.3	1.0
	M/S Near FP	264	1.3 ^a	98.7	0.8
	M/S Out FP	304	2.6 ^a	97.4	1.2
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	0.0	100.0	0.0

Note: PCP refers to pentachlorophenol. 2, 4, 5-T refers to trichlorophenol and its derivatives. D13 asked participants whether they had ever worked in the production, formulations, use or disposal of the above chemicals.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D14 Worked at Dow Chemical Company	Overall	1324	6.2	93.8	0.8
	M/S FP	326	9.3	90.7	1.9
	M/S Near FP	264	8.8	91.2	2.0
	M/S Out FP	304	11.6	88.4	1.7
	M/S Plume	71	15.6 ^a	84.4	5.1
	Jackson/Calhoun	359	0.6 ^a	99.4	0.4

Note: D14 asked participants whether they have ever worked at the Dow Chemical Company in Midland, Michigan.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

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DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED AT THE DOW CHEMICAL COMPANY IN MIDLAND, MI: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D14 Worked at Dow Chemical Company	Overall	96	2.6 ^a	0.9	0.0	0.0	0.0	2.0	20.0
	M/S FP	26	2.3 ^a	1.0	0.0	0.0	0.0	1.0	12.0
	M/S Near FP	21	1.8 ^a	0.9	0.0	0.0	0.0	2.0	9.0
	M/S Out FP	34	2.7 ^a	1.0	0.0	0.0	0.0	2.0	20.0
	M/S Plume	13	3.9 ^a	1.7	0.0	0.0	0.0	3.0	20.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED AT THE DOW CHEMICAL COMPANY IN MIDLAND, MI: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D14 Worked at Dow Chemical Company	Overall	99	6.1	1.2	0.0	1.0	2.0	9.0	25.0
	M/S FP	27	4.8 ^a	1.5	0.0	0.0	1.0	7.8	19.0
	M/S Near FP	23	5.4 ^a	1.4	0.0	1.0	2.0	10.0	26.0
	M/S Out FP	34	6.6	1.4	0.0	1.0	3.0	11.0	25.0
	M/S Plume	13	3.4 ^a	1.2	0.0	0.0	2.0	4.0	11.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---

Note: Table shows the total number of years among participants who had ever worked at the Dow Chemical Company in Midland, Michigan and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D15 Chemical spill at Dow	Overall	1324	1.6 ^a	98.4	0.7
	M/S FP	326	1.0 ^a	99.0	0.7
	M/S Near FP	264	0.2 ^a	99.8	0.2
	M/S Out FP	304	3.5 ^a	96.5	1.5
	M/S Plume	71	1.1 ^a	98.9	1.1
	Jackson/Calhoun	359	0.0	100.0	0.0

Note: D15 asked participants whether they have ever been exposed to a chemical spill or chemical accident while working at Dow.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS EXPOSED TO A CHEMICAL SPILL WHILE WORKING AT DOW: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D15 Chemical spill at Dow	Overall	14	0.9 ^a	0.8	0.0	0.0	0.0	0.0	13.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	9	0.9 ^a	0.9	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
# YEARS EXPOSED TO A CHEMICAL SPILL WHILE WORKING AT DOW: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D15 Chemical spill at Dow	Overall	14	5.1 ^a	2.6	1.0	1.0	1.0	9.0	21.2
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	9	5.1 ^a	2.6	---	---	1.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: Table shows the total number of years among participants who had ever been exposed to a chemical spill or chemical accident while working at Dow and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

*** Nonzero reports from imputed data. Estimate is not shown.

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D16 Fire at Dow	Overall	1324	0.4 ^a	99.6	0.2
	M/S FP	326	0.0	100.0	0.0
	M/S Near FP	264	0.2 ^a	99.8	0.2
	M/S Out FP	304	1.0 ^a	99.0	0.5
	M/S Plume	71	0.0	100.0	0.0
	Jackson/Calhoun	359	0.0	100.0	0.0

Note: D16 asked participants whether they have ever been exposed to any fire involving chemicals while working at Dow.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS EXPOSED TO FIRE INVOLVING CHEMICALS WHILE WORKING AT DOW: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D16 Fire at Dow	Overall	---	---	---	---	---	---	---	---
	M/S FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# YEARS EXPOSED TO FIRE INVOLVING CHEMICALS WHILE WORKING AT DOW: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D16 Fire at Dow	Overall	---	---	---	---	---	---	---	---
	M/S FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: Table shows the total number of years among participants who had ever been exposed to any fire involving chemicals while working at Dow and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D17 Worked at Other Chemical Company	Overall	1324	4.1	95.9	0.7
	M/S FP	326	4.8 ^a	95.2	1.5
	M/S Near FP	264	7.2 ^a	92.8	1.9
	M/S Out FP	304	6.8	93.2	1.4
	M/S Plume	71	6.8 ^a	93.2	2.7
	Jackson/Calhoun	359	1.4 ^a	98.6	0.5

Note: D17 asked participants whether they have ever worked at any other chemical company, other than Dow.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED AT OTHER CHEMICAL COMPANY: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D17 Worked at Other Chemical Company	Overall	65	10.8	2.6	1.0	1.0	5.6	19.6	31.4
	M/S FP	14	4.6	1.4	1.0	2.0	2.8	4.8	14.2
	M/S Near FP	16	8.2 ^a	2.3	1.0	1.0	3.0	13.0	23.0
	M/S Out FP	21	12.0 ^a	3.4	1.0	1.0	8.0	23.4	35.0
	M/S Plume	7	13.0 ^a	5.7	---	---	8.2	---	---
	Jackson/Calhoun	7	5.6 ^a	2.8	---	---	5.0	---	---
# YEARS WORKED AT OTHER CHEMICAL COMPANY: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D17 Worked at Other Chemical Company	Overall	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	5	0.0	0.0	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED AT OTHER CHEMICAL COMPANY: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D17 Worked at Other Chemical Company	Overall	49	0.4 ^a	0.2	0.0	0.0	0.0	0.0	2.0
	M/S FP	11	0.5 ^a	0.5	0.0	0.0	0.0	0.0	1.0
	M/S Near FP	11	0.1 ^a	0.1	0.0	0.0	0.0	0.0	1.0
	M/S Out FP	16	0.3 ^a	0.2	0.0	0.0	0.0	0.0	2.0
	M/S Plume	6	0.0	0.0	---	---	0.0	---	---
	Jackson/Calhoun	5	0.9 ^a	0.8	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED AT OTHER CHEMICAL COMPANY: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D17 Worked at Other Chemical Company	Overall	64	2.3 ^a	0.8	0.0	0.0	0.0	2.4	13.0
	M/S FP	14	1.1 ^a	0.5	0.0	0.0	0.0	1.0	4.4
	M/S Near FP	15	1.5 ^a	0.6	0.0	0.0	0.0	3.0	6.0
	M/S Out FP	21	2.5 ^a	0.9	0.0	0.0	0.0	3.0	16.0
	M/S Plume	7	2.1 ^a	2.3	---	---	0.0	---	---
	Jackson/Calhoun	7	1.5 ^a	2.1	---	---	0.0	---	---
# YEARS WORKED AT OTHER CHEMICAL COMPANY: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D17 Worked at Other Chemical Company	Overall	65	8.3 ^a	2.1	0.0	1.0	4.0	17.4	25.0
	M/S FP	14	3.1 ^a	1.2	0.0	0.0	2.0	3.0	13.6
	M/S Near FP	16	6.7 ^a	2.0	0.0	1.0	2.0	11.0	23.0
	M/S Out FP	21	9.3 ^a	2.8	0.0	1.0	8.0	19.2	25.0
	M/S Plume	7	11.0 ^a	4.2	---	---	8.2	---	---
	Jackson/Calhoun	7	3.5 ^a	2.3	---	---	2.0	---	---

Note: Table shows the total number of years among participants who had ever worked at any other chemical company, other than Dow and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D18 Chemical spill anywhere	Overall	1324	7.2	92.8	1.2
	M/S FP	326	9.4	90.6	1.8
	M/S Near FP	264	10.2	89.8	2.1
	M/S Out FP	304	8.1	91.9	1.7
	M/S Plume	71	6.2 ^a	93.8	2.7
	Jackson/Calhoun	359	6.5 ^a	93.5	1.9

Note: D18 asked participants whether they have ever been exposed to a spill involving industrial chemicals anywhere.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS EXPOSED TO A CHEMICAL SPILL AT OTHER PLACES: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D18 Chemical spill anywhere	Overall	113	7.8	1.8	1.0	1.0	2.0	10.6	29.0
	M/S FP	33	5.1 ^a	1.8	1.0	1.0	1.8	5.0	26.0
	M/S Near FP	26	5.0 ^a	1.3	1.0	1.0	2.2	5.2	24.0
	M/S Out FP	28	9.6	2.4	1.0	1.0	3.6	20.0	29.0
	M/S Plume	6	1.9 ^a	0.7	---	---	1.0	---	---
	Jackson/Calhoun	20	6.3 ^a	2.8	1.0	1.0	1.0	4.0	35.0
# YEARS EXPOSED TO A CHEMICAL SPILL AT OTHER PLACES: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D18 Chemical spill anywhere	Overall	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	8	0.0	0.0	---	---	0.0	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	7	0.0	0.0	---	---	0.0	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	5	0.0	0.0	---	---	0.0	---	---
# YEARS EXPOSED TO A CHEMICAL SPILL AT OTHER PLACES: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D18 Chemical spill anywhere	Overall	85	0.5 ^a	0.3	0.0	0.0	0.0	0.0	5.0
	M/S FP	27	0.2 ^a	0.3	0.0	0.0	0.0	0.0	1.2
	M/S Near FP	19	0.1 ^a	0.1	0.0	0.0	0.0	0.0	0.4
	M/S Out FP	23	0.7 ^a	0.5	0.0	0.0	0.0	0.0	5.0
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	12	0.2 ^a	0.1	0.0	0.0	0.0	0.0	1.0

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS EXPOSED TO A CHEMICAL SPILL AT OTHER PLACES: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D18 Chemical spill anywhere	Overall	110	3.0 ^a	1.0	0.0	0.0	0.0	3.4	16.2
	M/S FP	33	1.6 ^a	0.8	0.0	0.0	0.0	1.0	11.0
	M/S Near FP	24	0.8 ^a	0.6	0.0	0.0	0.0	0.0	5.8
	M/S Out FP	27	3.5 ^a	1.6	0.0	0.0	0.0	4.0	20.0
	M/S Plume	6	0.1 ^a	0.1	---	---	0.0	---	---
	Jackson/Calhoun	20	2.7 ^a	1.3	0.0	0.0	0.0	4.0	15.0
# YEARS EXPOSED TO A CHEMICAL SPILL AT OTHER PLACES: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D18 Chemical spill anywhere	Overall	113	4.7 ^a	1.3	0.0	1.0	1.0	4.8	20.0
	M/S FP	33	3.3 ^a	1.2	0.0	0.4	1.0	3.2	15.0
	M/S Near FP	26	4.2 ^a	1.1	0.0	1.0	2.0	4.4	21.0
	M/S Out FP	28	6.0 ^a	1.9	0.0	1.0	2.0	8.4	21.0
	M/S Plume	6	1.8 ^a	0.8	---	---	1.0	---	---
	Jackson/Calhoun	20	3.5 ^a	1.7	0.0	0.6	1.0	2.2	20.0

Note: Table shows the total number of years among participants who had ever been exposed to a spill involving industrial chemicals anywhere and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bd

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D19 Fire involving Chemicals anywhere	Overall	1324.0	3.3	96.7	0.8
	M/S FP	326.0	4.6 ^a	95.4	1.5
	M/S Near FP	264.0	2.7 ^a	97.3	1.1
	M/S Out FP	304.0	5.8 ^a	94.2	1.6
	M/S Plume	71.0	0.0	100.0	0.0
	Jackson/Calhoun	359.0	1.3 ^a	98.7	0.7

Note: D19 asked participants whether they have ever been exposed to a fire involving industrial chemicals anywhere.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS EXPOSED TO A FIRE INVOLVING CHEMICALS: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D19 Fire involving Chemicals anywhere	Overall	39	1.9 ^a	1.7	0.0	0.0	0.0	1.0	20.0
	M/S FP	10	0.3 ^a	0.2	0.0	0.0	0.0	0.0	2.0
	M/S Near FP	9	1.8 ^a	1.3	---	---	0.0	---	---
	M/S Out FP	15	2.4 ^a	2.1	0.0	0.0	0.0	1.0	20.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	5	0.2 ^a	0.2	---	---	0.0	---	---
# YEARS EXPOSED TO A FIRE INVOLVING CHEMICALS: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D19 Fire involving Chemicals anywhere	Overall	42	1.0	0.2	0.0	0.8	1.0	1.0	3.0
	M/S FP	13	1.1	0.2	0.0	1.0	1.0	1.0	3.0
	M/S Near FP	9	2.3 ^a	1.1	---	---	1.0	---	---
	M/S Out FP	15	1.1 ^a	0.3	0.0	0.8	1.0	1.2	3.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	5	0.8	0.2	---	---	1.0	---	---

Note: Table shows the total number of years among participants who had ever been exposed to a fire involving industrial chemicals anywhere and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

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DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D20 Live with Someone who Worked at Dow	Overall	1324	9.3	90.7	1.3
	M/S FP	326	9.6	90.4	1.8
	M/S Near FP	264	8.2	91.8	2.0
	M/S Out FP	304	16.0	84.0	3.0
	M/S Plume	71	56.5	43.5	8.3
	Jackson/Calhoun	359	0.2 ^a	99.8	0.2

Note: D20 asked participants whether they have ever lived with someone who worked at the Dow Chemical Company in Midland, MI.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D21 Live with Someone Working at Dow	Overall	1324	9.3	90.7	1.3
	M/S FP	326	9.6	90.4	1.8
	M/S Near FP	264	8.2	91.8	2.0
	M/S Out FP	304	16.0	84.0	3.0
	M/S Plume	71	56.5	43.5	8.3
	Jackson/Calhoun	359	0.2 ^a	99.8	0.2

Note: D21 asked participants whether they lived with someone who worked at Dow while they worked there.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT DOW: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D21 Live with Someone Working at Dow	Overall	138	5.7	0.8	0.0	0.0	1.0	10.0	20.0
	M/S FP	32	4.1 ^a	1.1	0.0	0.0	0.0	8.0	19.0
	M/S Near FP	18	4.5 ^a	1.7	0.0	0.0	0.0	10.0	18.8
	M/S Out FP	54	5.6	0.9	0.0	0.0	0.6	9.2	20.0
	M/S Plume	33	6.7	1.6	0.0	0.0	7.0	10.0	20.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT DOW: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D21 Live with Someone Working at Dow	Overall	144	6.6	0.7	0.0	0.0	3.0	12.8	21.0
	M/S FP	32	3.9 ^a	1.2	0.0	0.0	1.0	4.0	20.6
	M/S Near FP	22	9.0 ^a	2.3	0.0	1.0	4.0	17.2	23.0
	M/S Out FP	54	7.0	0.7	0.0	0.0	4.0	13.6	21.0
	M/S Plume	35	5.6 ^a	1.6	0.0	0.0	1.0	13.0	21.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---

Note: Table shows the total number of years among participants who had ever lived with someone who worked at Dow while they worked there and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D22 Live with Worker at Other Chemical Company	Overall	1324	2.8	97.2	0.6
	M/S FP	326	2.9 ^a	97.1	1.0
	M/S Near FP	264	3.5 ^a	96.5	1.2
	M/S Out FP	304	4.1 ^a	95.9	1.0
	M/S Plume	71	5.0 ^a	95.0	2.3
	Jackson/Calhoun	359	1.5 ^a	98.5	0.6

Note: D22 asked participants whether they have ever lived with someone who worked at any other chemical company, other than the Dow Chemical Company in Midland, MI.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas
 DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat
 Procedure: PROC 1
 Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D23	Overall	1324	2.0	98.0	0.5
Live with Someone who Worked at C/C	M/S FP	326	2.6 ^a	97.4	0.9
	M/S Near FP	264	2.7 ^a	97.3	1.0
	M/S Out FP	304	3.3 ^a	96.7	0.9
	M/S Plume	71	4.0 ^a	96.0	2.0
	Jackson/Calhoun	359	0.8 ^a	99.2	0.4

Note: C/C refers to Chemical Company. D23 asked participants whether they lived with someone who worked at any other chemical company, other than the Dow Chemical Company in Midland, Michigan, while they worked there.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT OTHER CHEMICAL COMPANY: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D23 Live with Someone who Worked at C/C	Overall	37	12.8	3.1	2.0	3.0	8.0	21.0	39.0
	M/S FP	9	10.3 ^a	3.5	---	---	7.0	---	---
	M/S Near FP	8	9.3 ^a	3.3	---	---	5.0	---	---
	M/S Out FP	10	14.9 ^a	4.3	2.0	4.8	8.0	21.0	39.0
	M/S Plume	5	16.7 ^a	6.9	---	---	9.0	---	---
	Jackson/Calhoun	5	4.2 ^a	1.2	---	---	3.0	---	---
# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT OTHER CHEMICAL COMPANY: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D23 Live with Someone who Worked at C/C	Overall	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT OTHER CHEMICAL COMPANY: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D23 Live with Someone who Worked at C/C	Overall	22	2.0 ^a	1.0	0.0	0.0	0.0	5.0	8.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	6	2.8 ^a	1.6	---	---	0.0	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	5	0.8 ^a	0.7	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT OTHER CHEMICAL COMPANY: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D23 Live with Someone who Worked at C/C	Overall	35	4.5 ^a	2.0	0.0	0.0	0.0	9.0	20.0
	M/S FP	9	4.2 ^a	2.7	---	---	0.0	---	---
	M/S Near FP	6	6.6 ^a	2.1	---	---	6.0	---	---
	M/S Out FP	10	4.8 ^a	2.8	0.0	0.0	0.0	13.0	20.0
	M/S Plume	5	8.5 ^a	5.0	---	---	1.0	---	---
	Jackson/Calhoun	5	1.8 ^a	1.6	---	---	0.0	---	---
# YEARS LIVED WITH SOMEONE WHILE THEY WORKED AT OTHER CHEMICAL COMPANY: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D23 Live with Someone who Worked at C/C	Overall	37	7.1	1.6	0.0	2.0	5.8	13.0	19.6
	M/S FP	9	6.1 ^a	2.3	---	---	3.0	---	---
	M/S Near FP	8	4.5 ^a	2.2	---	---	3.0	---	---
	M/S Out FP	10	8.6 ^a	2.2	0.0	2.6	7.2	14.0	25.0
	M/S Plume	5	8.2 ^a	2.3	---	---	9.0	---	---
	Jackson/Calhoun	5	1.6 ^a	1.0	---	---	1.0	---	---

Note: Table shows the total number of years among participants who had ever lived with someone who worked at any other chemical company, other than the Dow Chemical Company in Midland, Michigan, while they worked there and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D25 Military During Vietnam Conflict	Overall	762	8.6	91.4	1.6
	M/S FP	211	13.3	86.7	2.7
	M/S Near FP	154	15.4	84.6	3.6
	M/S Out FP	157	9.8 ^a	90.2	2.6
	M/S Plume	51	1.6 ^a	98.4	1.6
	Jackson/Calhoun	189	7.8 ^a	92.2	2.4

Note: D25 asked participants whether they served in the military during the Vietnam conflict.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D26 Stationed in Vietnam	Overall	762	4.0 ^a	96.0	1.2
	M/S FP	211	3.0 ^a	97.0	1.2
	M/S Near FP	154	8.2 ^a	91.8	3.1
	M/S Out FP	157	2.9 ^a	97.1	1.4
	M/S Plume	51	0.0	100.0	0.0
	Jackson/Calhoun	189	5.3 ^a	94.7	2.1

Note: D26 asked participants whether they had been stationed in Vietnam during their military service.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS STATIONED IN VIETNAM: TOTAL									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D26 Stationed in Vietnam	Overall	25	2.5	0.4	1.0	2.0	2.0	4.0	4.0
	M/S FP	7	2.2	0.2	---	---	2.0	---	---
	M/S Near FP	8	2.2	0.4	---	---	2.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	6	2.7	0.5	---	---	2.0	---	---
# YEARS STATIONED IN VIETNAM: 1910-1939									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D26 Stationed in Vietnam	Overall	---	---	---	---	---	---	---	---
	M/S FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS STATIONED IN VIETNAM: 1940-1959									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D26 Stationed in Vietnam	Overall	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	7	0.0	0.0	---	---	0.0	---	---
	M/S Near FP	8	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	6	0.0	0.0	---	---	0.0	---	---

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS STATIONED IN VIETNAM: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D26 Stationed in Vietnam	Overall	25	2.5	0.4	1.0	2.0	2.0	4.0	4.0
	M/S FP	7	2.2	0.2	---	---	2.0	---	---
	M/S Near FP	8	2.2	0.4	---	---	2.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	6	2.7	0.5	---	---	2.0	---	---
# YEARS STATIONED IN VIETNAM: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D26 Stationed in Vietnam	Overall	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S FP	7	0.0	0.0	---	---	0.0	---	---
	M/S Near FP	8	0.0	0.0	---	---	0.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	6	0.0	0.0	---	---	0.0	---	---

Note: Table shows the total number of years among participants who had ever been stationed in Vietnam during their military service and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, $CV(\text{estimate}) > 0.25$

--- Estimate not shown to maintain confidentiality of study participants.

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 3

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D27 Served in Areas Defoliants were Used	Overall	762	4.1 ^a	95.9	1.2
	M/S FP	211	2.5 ^a	97.5	1.1
	M/S Near FP	154	5.4 ^a	94.6	2.6
	M/S Out FP	157	2.9 ^a	97.1	1.4
	M/S Plume	51	0.0	100.0	0.0
	Jackson/Calhoun	189	5.5 ^a	94.5	2.0

Note: D27 asked participants whether they had served in the military in areas where Agent Orange and other defoliants were used.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

SAS program: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ Multi_Table_May2008.sas

DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

	Region	N	% Yes	% No	S.E.
D28 Worked with Defoliant	Overall	762	0.7 ^a	99.3	0.5
	M/S FP	211	0.5 ^a	99.5	0.5
	M/S Near FP	154	0.1	99.9	***
	M/S Out FP	157	0.5 ^a	99.5	0.5
	M/S Plume	51	0.0	100.0	0.0
	Jackson/Calhoun	189	0.9 ^a	99.1	0.9

Note: D28 asked participants whether they had personally handled or worked with Agent Orange and/or other defoliant.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

*** Nonzero reports from imputed data. Estimate is not shown.

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DATA directory: N:\Secure\UMDES\Data_Statistics\Questionnaire tables 2008\ dioxin_mult.sas7bdat

Procedure: PROC 1

Last Update: XZ 05/15/2008

QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region

Population: Participants born before 1955 (n=762)

Sample type: Questionnaire

Sample weight: wt_final_iw

# YEARS WORKED WITH AGENT ORANGE/OTHER DEFOLIANTS: 1960-1979									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D28 Worked with Defoliants	Overall	---	---	---	---	---	---	---	---
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
# YEARS WORKED WITH AGENT ORANGE/OTHER DEFOLIANTS: 1980-2005									
	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
D28 Worked with Defoliants	Overall	---	---	---	---	---	---	---	---
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---

Note: Table shows the total number of years among participants who had ever personally handled or worked with Agent Orange and/or other defoliants and were alive during the years of interest.

^a Estimate should be interpreted with caution. The standard error for this estimate is large relative to the size of the estimate, that is, CV(estimate) > 0.25

--- Estimate not shown to maintain confidentiality of study participants.

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Procedure: PROC 3

Last Update: XZ 05/15/2008