

**QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region**

Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

	Region	N	% Yes	% No	S.E.
<b>B1</b> Live in M/S	Overall	1324	50.6	49.4	1.0
	M/S FP	326	100.0	0.0	0.0
	M/S Near FP	264	100.0	0.0	0.0
	M/S Out FP	304	100.0	0.0	0.0
	M/S Plume	71	100.0	0.0	0.0
	Jackson/Calhoun	359	1.5 <sup>a</sup>	98.5	0.6

Note: B1 asked whether the participant has ever lived in Midland County, Saginaw County or Williams Township in Bay County.

<sup>a</sup> 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

J/C=Jackson/Calhoun, M/S= Midland/Saginaw, FP=Floodplain

Data analyses include imputed values

**QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region**

Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

<b># YEARS LIVED IN MIDLAND/SAGINAW COUNTIES: TOTAL</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B1</b> Live in M/S	Overall	970	39.5	1.2	9.0	24.0	39.0	52.0	76.0
	M/S FP	326	44.0	1.3	13.0	28.0	45.0	58.0	78.0
	M/S Near FP	264	40.0	1.4	8.0	26.0	41.0	53.0	70.0
	M/S Out FP	304	40.1	1.4	10.0	25.0	41.0	53.0	76.0
	M/S Plume	71	37.7	2.4	15.0	25.0	36.4	45.4	69.0
	Jackson/Calhoun	5	5.8 <sup>a</sup>	1.8	---	---	4.0	---	---
<b># YEARS LIVED IN MIDLAND/SAGINAW COUNTIES: 1910-1939</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B1</b> Live in M/S	Overall	250	5.0	0.8	0.0	0.0	0.0	12.0	18.0
	M/S FP	94	6.9	0.8	0.0	0.0	5.0	13.0	21.0
	M/S Near FP	56	5.2	0.8	0.0	0.0	3.0	8.0	20.0
	M/S Out FP	68	5.4	0.9	0.0	0.0	0.0	12.0	18.0
	M/S Plume	30	2.6 <sup>a</sup>	1.0	0.0	0.0	0.0	3.0	15.0
	Jackson/Calhoun	---	---	---	---	---	---	---	---
<b># YEARS LIVED IN MIDLAND/SAGINAW COUNTIES: 1940-1959</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B1</b> Live in M/S	Overall	711	7.1	0.5	0.0	0.0	5.0	13.0	20.0
	M/S FP	254	8.4	0.6	0.0	0.0	6.0	17.0	20.0
	M/S Near FP	195	6.2	0.6	0.0	0.0	3.0	12.0	20.0
	M/S Out FP	200	7.5	0.6	0.0	0.0	5.0	13.0	20.0
	M/S Plume	57	4.6 <sup>a</sup>	1.2	0.0	0.0	0.0	6.0	20.0
	Jackson/Calhoun	5	1.5 <sup>a</sup>	1.0	---	---	1.0	---	---

J/C=Jackson/Calhoun, M/S= Midland/Saginaw, FP=Floodplain

Data analyses include imputed values

**QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region**

Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

<b># YEARS LIVED IN MIDLAND/SAGINAW COUNTIES: 1960-1979</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B1</b> Live in M/S	Overall	913	12.5	0.5	0.0	4.0	16.0	20.0	20.0
	M/S FP	308	14.6	0.5	0.0	11.0	20.0	20.0	20.0
	M/S Near FP	250	13.0	0.6	0.0	4.0	17.0	20.0	20.0
	M/S Out FP	282	12.8	0.6	0.0	4.0	16.0	20.0	20.0
	M/S Plume	68	10.8	1.3	0.0	2.2	12.0	20.0	20.0
	Jackson/Calhoun	5	0.4 <sup>a</sup>	0.3	---	---	0.0	---	---
<b># YEARS LIVED IN MIDLAND/SAGINAW COUNTIES: 1980-2005</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B1</b> Live in M/S	Overall	970	22.5	0.3	8.0	21.0	25.0	26.0	26.0
	M/S FP	326	23.0	0.3	11.0	23.0	25.0	26.0	26.0
	M/S Near FP	264	22.6	0.5	7.0	22.0	25.0	26.0	26.0
	M/S Out FP	304	22.7	0.3	9.0	21.6	25.0	26.0	26.0
	M/S Plume	71	23.0	0.7	14.0	21.0	26.0	26.0	26.0
	Jackson/Calhoun	5	4.0 <sup>a</sup>	2.6	---	---	0.0	---	---

Note: Table shows the total number of years among participants who had ever lived in Midland County, Saginaw County or Williams Township in Bay County and were alive during the years of interest.

<sup>a</sup> 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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Procedure: PROC 3

Last Update: XZ 05/15/2008

J/C=Jackson/Calhoun, M/S= Midland/Saginaw, FP=Floodplain

Data analyses include imputed values

**QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region**

Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

	Region	N	% Yes	% No	S.E.
<b>B2</b> Live in J/C	Overall	1324	50.6	49.4	1.0
	M/S FP	326	1.9 <sup>a</sup>	98.1	0.8
	M/S Near FP	264	3.8 <sup>a</sup>	96.2	2.0
	M/S Out FP	304	0.9 <sup>a</sup>	99.1	0.5
	M/S Plume	71	2.0 <sup>a</sup>	98.0	1.4
	Jackson/Calhoun	359	100.0	0.0	0.0

Note: B2 asked whether the participant has ever lived in Jackson County or Calhoun County.

<sup>a</sup> 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: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

<b># YEARS LIVED IN JACKSON/CALHOUN COUNTIES: TOTAL</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B2</b> Live in J/C	Overall	377	37.3	1.0	8.0	21.0	37.0	51.0	70.0
	M/S FP	6	15.8 <sup>a</sup>	4.1	---	---	19.0	---	---
	M/S Near FP	7	12.3 <sup>a</sup>	3.7	---	---	17.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	359	37.6	1.0	9.0	21.0	38.0	51.0	71.0
<b># YEARS LIVED IN JACKSON/CALHOUN COUNTIES: 1910-1939</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B2</b> Live in J/C	Overall	85	4.0	0.7	0.0	0.0	0.0	9.0	17.0
	M/S FP	---	---	---	---	---	---	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	79	4.1	0.7	0.0	0.0	0.0	9.0	15.0
<b># YEARS LIVED IN JACKSON/CALHOUN COUNTIES: 1940-1959</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B2</b> Live in J/C	Overall	246	6.3	0.5	0.0	0.0	4.0	12.0	20.0
	M/S FP	5	9.3 <sup>a</sup>	3.2	---	---	11.0	---	---
	M/S Near FP	---	---	---	---	---	---	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	234	6.3	0.5	0.0	0.0	4.0	12.0	20.0

J/C=Jackson/Calhoun, M/S= Midland/Saginaw, FP=Floodplain  
 Data analyses include imputed values

**QUESTIONNAIRE ANALYSES: Descriptive statistics for each question by region**

Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

<b># YEARS LIVED IN JACKSON/CALHOUN COUNTIES: 1960-1979</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B2</b> Live in J/C	Overall	357	11.8	0.5	0.0	2.0	15.0	20.0	20.0
	M/S FP	6	4.6 <sup>a</sup>	2.2	---	---	3.0	---	---
	M/S Near FP	7	1.6 <sup>a</sup>	0.9	---	---	1.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	339	11.9	0.5	0.0	2.0	15.0	20.0	20.0
<b># YEARS LIVED IN JACKSON/CALHOUN COUNTIES: 1980-2005</b>									
	<b>Region</b>	<b>N</b>	<b>Mean</b>	<b>S.E.</b>	<b>5%ile</b>	<b>25 %ile</b>	<b>Median</b>	<b>75 %ile</b>	<b>95th %ile</b>
<b>B2</b> Live in J/C	Overall	377	22.2	0.3	8.0	20.0	26.0	26.0	26.0
	M/S FP	6	2.9 <sup>a</sup>	2.4	---	---	0.0	---	---
	M/S Near FP	7	1.8 <sup>a</sup>	1.4	---	---	0.0	---	---
	M/S Out FP	---	---	---	---	---	---	---	---
	M/S Plume	---	---	---	---	---	---	---	---
	Jackson/Calhoun	359	22.4	0.3	8.0	20.0	26.0	26.0	26.0

Note: Table shows the total number of years among participants who had ever lived in Jackson County or Calhoun County and were alive during the years of interest.

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

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Population: All Participants (n=1324)

Sample type: Questionnaire

Sample weight: wt\_final\_iw

	Region	N	Mean	S.E.	5%ile	25 %ile	Median	75 %ile	95th %ile
Length	Overall	1324	17.6	0.6	5.0	8.0	13.0	24.0	42.0
	M/S FP	326	19.4	0.7	6.0	10.0	15.0	27.0	44.0
Of time in	M/S Near FP	264	15.8	0.7	5.0	7.0	13.0	20.0	38.0
	M/S Out FP	304	19.9	1.1	5.0	9.0	17.0	27.0	48.0
Resi- dence	M/S Plume	71	20.4	2.2	6.0	11.0	14.0	34.0	43.0
	Jackson/Calhoun	359	15.4	0.7	6.0	7.0	12.0	19.0	39.0

Note: Length of time in current residence = B4b2 - B4b1. Length of time is the total number of years reported living at the current address.

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Procedure: PROC 2

Last Update: XZ 05/15/2008

J/C=Jackson/Calhoun, M/S= Midland/Saginaw, FP=Floodplain

Data analyses include imputed values