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11-18-2014

## Poisoning Death Review Summary Report, November 18, 2014

Center for Interventions, Treatment & Addictions Research

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## POISONING DEATH REVIEW SUMMARY REPORT, November 18, 2014

The Poisoning Death Review, funded by Public Health—Dayton & Montgomery County, is carried out by faculty and staff at the Wright State University Boonshoft School of Medicine in collaboration with the Montgomery County Coroner's Office.

*\*Note: 2 of the 175 deaths occurred after Aug 31. There may be additional deaths that occurred before Aug 31 that are not included in this summary. In 2013, there were 151 deaths between Jan 1 and Aug 31.*

<b>Total Cases Jan 1-Aug 31, 2014*</b>	<b>175</b>			<b>2013 Cases: 226</b>	<b>2012 Cases: 162</b>	<b>2011 Cases: 130</b>	<b>2010 Cases: 127</b>
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### DEMOGRAPHICS

Characteristic	Category	Freq	%	2013 %	2012 %	2011 %	2010 %
Average Age			<b>41.5</b>	<b>42.5</b>	<b>42.8</b>	<b>42.1</b>	<b>40.0</b>
Age Group	<15 years	0	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
	15-24 years	7	<b>4%</b>	<b>4%</b>	<b>4%</b>	<b>5%</b>	<b>14%</b>
	25-34 years	51	<b>29%</b>	<b>26%</b>	<b>28%</b>	<b>22%</b>	<b>22%</b>
	35-44 years	43	<b>25%</b>	<b>28%</b>	<b>19%</b>	<b>26%</b>	<b>28%</b>
	45-54 years	48	<b>27%</b>	<b>27%</b>	<b>33%</b>	<b>32%</b>	<b>18%</b>
	55-64 years	24	<b>14%</b>	<b>13%</b>	<b>14%</b>	<b>14%</b>	<b>16%</b>
	65-74 years	2	<b>1%</b>	<b>3%</b>	<b>2%</b>	<b>1%</b>	<b>2%</b>
	75+ years	0	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
Gender	Male	111	<b>63%</b>	<b>67%</b>	<b>60%</b>	<b>59%</b>	<b>57%</b>
	Female	64	<b>37%</b>	<b>33%</b>	<b>40%</b>	<b>41%</b>	<b>43%</b>
Race	White	154	<b>88%</b>	<b>87%</b>	<b>85%</b>	<b>87%</b>	<b>90%</b>
	Black	19	<b>11%</b>	<b>11%</b>	<b>14%</b>	<b>13%</b>	<b>10%</b>
	Other	0	<b>0%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>
Education	<High School	43	<b>25%</b>	<b>29%</b>	<b>27%</b>	<b>28%</b>	<b>20%</b>
	HS graduate	125	<b>71%</b>	<b>65%</b>	<b>69%</b>	<b>69%</b>	<b>76%</b>
	College graduate	6	<b>3%</b>	<b>4%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>
	Post-graduate	0	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
	Unknown	1	<b>1%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>
Marital Status	Single	80	<b>46%</b>	<b>43%</b>	<b>47%</b>	<b>39%</b>	<b>41%</b>
	Married	41	<b>21%</b>	<b>21%</b>	<b>15%</b>	<b>31%</b>	<b>29%</b>
	Divorced	48	<b>27%</b>	<b>32%</b>	<b>30%</b>	<b>25%</b>	<b>26%</b>
	Separated	1	<b>1%</b>	<b>2%</b>	<b>0%</b>	<b>3%</b>	<b>2%</b>
	Widowed	3	<b>2%</b>	<b>3%</b>	<b>7%</b>	<b>2%</b>	<b>2%</b>
Military	Ever in US Armed Forces	17	<b>10%</b>	<b>7%</b>	<b>9%</b>	<b>4%</b>	<b>13%</b>

Residence	Montgomery Co	158	90%	87%	90%	91%	92%				
<b>HEALTH</b>											
<b>Characteristic</b>											
		<b>Freq</b>	<b>%</b>	<b>2013 %</b>	<b>2012 %</b>	<b>2011 %</b>	<b>2010 %</b>				
Physical Disability/Illness		126	72%	78%	81%	74%	79%				
Heart Disease		88	50%	58%	58%	56%	65%				
<b>HISTORY OF SUBSTANCE ABUSE</b>											
	<b>Total Cases Jan 1-Aug 31, 2014*</b>	<b>175</b>		<b>2013 Cases: 226</b>	<b>2012 Cases: 162</b>	<b>2011 Cases: 130</b>	<b>2010 Cases: 127</b>				
<b>Substance Abuse</b>											
		<b>Freq</b>	<b>%</b>	<b>2013 %</b>	<b>2012 %</b>	<b>2011 %</b>	<b>2010 %</b>				
Any history		138	79%	78%	78%	82%	75%				
<b>DEATH INVESTIGATION</b>											
<b>Characteristic</b>	<b>Category</b>										
		<b>Freq</b>	<b>%</b>	<b>2013 %</b>	<b>2012 %</b>	<b>2011 %</b>	<b>2010 %</b>				
Location of death	Decedent's home	88	50%	58%	50%	53%	68%				
	Relative's home	3	2%	1%	1%	0%	2%				
	Friend's home	24	14%	15%	11%	16%	14%				
	Place of work	0	0%	0%	0%	1%	0%				
	School	0	0%	0%	0%	0%	0%				
	Hospital	46	26%	15%	30%	22%	9%				
	Drug tx facility	0	0%	0%	1%	0%	0%				
	Jail/detention area	0	0%	0%	1%	0%	0%				
	Public area	5	3%	4%	2%	2%	2%				
	Other	9	5%	8%	4%	6%	4%				

TOXICOLOGY REPORT											
<i>This section of the summary includes all substances found in the decedent's body or bodily fluids. There may be multiple drug mentions for each case.</i>	<b>Total Cases</b>										
	<b>Jan 1-Aug 31, 2014*</b>	<b>175</b>		<b>2013 Cases:</b>	<b>226</b>	<b>2012 Cases:</b>	<b>162</b>	<b>2011 Cases:</b>	<b>130</b>	<b>2010 Cases:</b>	<b>127</b>
<b>Characteristic</b>	<b>Category</b>	<b>Freq</b>	<b>%</b>	<b>Freq</b>	<b>%</b>	<b>Freq</b>	<b>%</b>	<b>Freq</b>	<b>%</b>	<b>Freq</b>	<b>%</b>
	Alcohol	54	31%	63	28%	46	28%	30	23%	29	23%
	Cocaine	56	32%	59	26%	49	30%	53	41%	38	30%
	Methamphetamine	9	5%	6	3%	4	2%		2%	1	1%
	Heroin	92	53%	132	58%	95	59%	46	35%	39	31%
	Illicit Fentanyl	67	38%	20	9%	0	0%	0	0%	0	0%
<b>Prescription Opioids</b>	<b>Any</b>	65	37%	100	44%	75	46%	81	62%	94	74%
	Oxycodone	18	10%	24	11%	25	15%	25	19%	29	23%
	Hydrocodone	28	16%	22	10%	15	9%	19	15%	31	24%
	Methadone	6	3%	31	14%	20	12%	43	33%	41	32%
	Fentanyl	7	4%	14	6%	9	6%	8	6%	9	7%
	Tramadol	4	2%	15	7%	9	6%	5	4%	8	6%
	Hydromorphone	3	2%	1	0%	0	0%	0	0%	1	1%
	Morphine	18	10%	16	7%	10	6%	10	8%	11	9%
	Other	3	2%	1	0%	2	1%	4	3%	5	4%
<b>Anti-Depressants</b>	<b>Any</b>	32	18%	61	27%	88	54%	41	32%	48	38%
<b>Sedatives (Including Benzodiazepines)</b>	<b>Any</b>	100	57%	133	59%	88	54%	96	74%	96	76%
<b>Benzodiazepines</b>	<b>Any</b>	90	51%	118	52%	70	43%	84	65%	87	69%
<b>Any Prescription Opioid + Any Benzodiazepine</b>		43	25%	67	30%	43	27%	64	49%	73	57%
<b>Two or more CNS depressants: alcohol, heroin, prescription opioids, sedatives</b>		133	76%	167	74%	107	66%	107	82%	108	85%
<b>Heroin + Any Other CNS Depressant</b>		72	41%	111	49%	65	40%	40	31%	34	27%
<b>Heroin with No Other CNS Depressant</b>		18	10%	21	9%	30	19%	6	5%	5	4%
<b>Heroin + Any Prescription Opioid</b>		20	22%	25	11%	22	14%	13	10%	16	13%
<b>Any Opiate (Heroin/Prescription Opioid/Illicit Fentanyl)</b>		159	91%	204	90%	148	90%	114	88%	117	92%
<b>Any Rx Opiate without Heroin</b>		42	24%	74	33%	50	31%	66	51%	77	61%
<b>Other Prescription</b>	Any	33	19%	62	27%	49	30%	48	37%	49	39%
<b>Over-The-Counter</b>	Any	18	10%	32	14%	32	20%	25	19%	26	20%