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Poisoning Death Review Summary Report, November 18, 2014

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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.*

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

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

Residence	Montgomery Co	158	90%	87%	90%	91%	92%				
HEALTH											
Characteristic											
		Freq	%	2013 %	2012 %	2011 %	2010 %				
Physical Disability/Illness		126	72%	78%	81%	74%	79%				
Heart Disease		88	50%	58%	58%	56%	65%				
HISTORY OF SUBSTANCE ABUSE											
	Total Cases Jan 1-Aug 31, 2014*	175		2013 Cases: 226	2012 Cases: 162	2011 Cases: 130	2010 Cases: 127				
Substance Abuse											
		Freq	%	2013 %	2012 %	2011 %	2010 %				
Any history		138	79%	78%	78%	82%	75%				
DEATH INVESTIGATION											
Characteristic	Category										
		Freq	%	2013 %	2012 %	2011 %	2010 %				
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>	Total Cases										
	Jan 1-Aug 31, 2014*	175		2013 Cases:	226	2012 Cases:	162	2011 Cases:	130	2010 Cases:	127
Characteristic	Category	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
	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%
Prescription Opioids	Any	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%
Anti-Depressants	Any	32	18%	61	27%	88	54%	41	32%	48	38%
Sedatives (Including Benzodiazepines)	Any	100	57%	133	59%	88	54%	96	74%	96	76%
Benzodiazepines	Any	90	51%	118	52%	70	43%	84	65%	87	69%
Any Prescription Opioid + Any Benzodiazepine		43	25%	67	30%	43	27%	64	49%	73	57%
Two or more CNS depressants: alcohol, heroin, prescription opioids, sedatives		133	76%	167	74%	107	66%	107	82%	108	85%
Heroin + Any Other CNS Depressant		72	41%	111	49%	65	40%	40	31%	34	27%
Heroin with No Other CNS Depressant		18	10%	21	9%	30	19%	6	5%	5	4%
Heroin + Any Prescription Opioid		20	22%	25	11%	22	14%	13	10%	16	13%
Any Opiate (Heroin/Prescription Opioid/Illicit Fentanyl)		159	91%	204	90%	148	90%	114	88%	117	92%
Any Rx Opiate without Heroin		42	24%	74	33%	50	31%	66	51%	77	61%
Other Prescription	Any	33	19%	62	27%	49	30%	48	37%	49	39%
Over-The-Counter	Any	18	10%	32	14%	32	20%	25	19%	26	20%