Cass County
Board of Commissioners

Cass County Board of Commissioners
Zoom Meeting Notice

269-445-4420

Because of concerns over Covid-19, the social distancing ordered by Governor Whitmer and in compliance with executive order EO-2020-15, the Cass County Board of Commissioners will hold their Regular meeting on January 21, 2021 at 6:30 p.m. by Zoom. Any member of the public who wishes to participate in the meeting may do so.

You are invited to a Webinar - Cass County Board of Commissioners Meeting
When: Jan 21, 2021 06:30 PM Eastern Time (US and Canada)
Topic: Board of Commissioners Meeting January 21, 2021

Please copy and paste the link below to join the webinar:
https://us02web.zoom.us/j/89610741943

Or Telephone:
Dial(for higher quality, dial a number based on your current location):
US: +1 646 558 8656 or +1 301 715 8592 or +1 312 626 6799 or +1 669 900 9128 or
+1 253 215 8782 or +1 346 248 7799
Webinar ID: 896 1074 1943

Cass County
Board of Commissioners

REGULAR MEETING OF THE
CASS COUNTY BOARD OF COMMISSIONERS

ZOOM Meeting
January 21, 2021
6:30 P.M.

CALL TO ORDER - *Chairperson Dwight Dyes*

INVOCATION - *Commissioner Jones*

ROLL CALL - *Clerk/Register Monica McMichael*

6:45 P.M. PUBLIC HEARING - Park, Recreation, Open Space and Greenway Plan - *Parks Director Scott Wyman*

PUBLIC COMMENTS (limit to 3 minutes/person, agenda items only)

APPROVAL OF THE AGENDA - *Commissioner Laylin*

RECOGNITIONS

PRESENTATIONS

PROPOSED CONSENT AGENDA - *Vice-Chairperson Grice*

1. **M-10-21** - Motion to approve Claims dated January 8, 2021

2. **M-11-21** - Motion to approve the January 7, 2021 Board of Commissioners Regular meeting minutes

[MOTION: I move the above listed items be voted on at one time by a roll call vote and be considered as the consent agenda by the Board of Commissioners]

COMMITTEE REPORTS

District 1 - Commissioner Laylin
District 2 - Commissioner File
District 3 - Commissioner Dyes
District 4 - Commissioner Marchetti
District 5 - Commissioner Benjamin

120 N. Broadway, Suite 200 ◊ Cassopolis, MI 49031
Telephone (269) 445-4420 ◊ Fax (269) 445-8978

District 6 - Commissioner Grice
District 7 - Commissioner Jones

APPOINTMENTS COMMITTEE REPORT

ADMINISTRATOR'S REPORT - *Administrator Jeff Carmen*

FINANCE REPORT

PUBLIC SAFETY REPORT

COUNTY PARTNERS

ELECTED OFFICIALS

UNFINISHED BUSINESS

1. R-182-20 - Resolution - Medical Examiner Contract - *Commissioner Grice*

NEW BUSINESS

1. **R-12-21** - Resolution to approve the Park, Recreation, Open Space and Greenway Plan - *Commissioner File*

2. M-13-21 - Motion to approve the purchase of a 2021 Ford Explorer XLT from C. Wimberley at a cost of $32,135.00 to be paid out of the Motor Pool Fund. This cost is less than the state purchasing contract, and the exception has been verified by the County Administrator and the availability of funds verified by the Finance Director - *Commissioner Jones*

3. R-14-21 - Resolution - County Foreclosed Property - *Commissioner Grice*

4. R-15-21 - Resolution - Automation of Policy and Procedures - *Commissioner Marchetti*

PUBLIC COMMENT (3 minute limit - non agenda items

CLOSED SESSION

BOARD MEMBER COMMENTS/ANNOUNCEMENTS

ADJOURNMENT

LEGAL NOTICE

PUBLIC HEARING NOTICE

Due to concerns over Covid-19, the social distancing ordered by Governor Whitmer and in compliance with executive order EO-2020-15, the Cass County Board of Commissioners will hold a virtual Public Hearing on January 21, 2021 at 6:45 p.m. to discuss the draft of the Cass County Community Park, Recreation, Open Space and Greenway Plan.

Any member of the public who wishes to virtually participate in the meeting may do so by copying and paste the following link to join the webinar:
https://us02web.zoom.us/j/89610741943 or by telephone at US: +1-646-558-8656 or +1-301-715-8592 or + 1-312-626-6799 or + 1-699-900-9128 + 1-253-215-8782 or + 1-346-248-7799
Webinar ID: 896 1074 1943

Recreation Plan copies may be viewed at the Cass District Library, the Cass County Parks and Recreation office by calling 269-445-4456 as well as the county website at www.casscountymi.org

INVOICE GL DISTRIBUTION REPORT FOR CASS COUNTY
POST DATES 12/28/2020 - 01/08/2021
JOURNALIZED
PAID

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	heck #
Fund 101 TREASURER							
Dept 000 TREASURER							
101-000-001.001	CASH-CHEMICAL BANK	KATELYN WHITEOAK	REFUND FOR CREDIT CARD TRANSACTION '	21-77	12/30/20	45.00	1187308
			Total For Dept 000 TREASURER			45.00	
Dept 131 CIRCUIT COURT							
101-131-807.022	CONTRACTUAL FOC INDIGENT I	THOMAS D. SWISHER	CONTRACUTAL FOC INDIGENT COSTS - SW	12162020	01/08/21	1,000.00	18586
			Total For Dept 131 CIRCUIT COURT			1,000.00	
Dept 141 FOC							
101-141-729.001	OFFICE SUPPLIES-CRP GRANT	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	323.79	18559
101-141-777.000	MOTOR FUEL/LUBRICANT	J & H OIL COMPANY	FOC SQUAD FUEL	CFSI-4500	01/08/21	43.47	18561
101-141-801.020	BANK CHARGES	FIFTH-THIRD BANK ACCT	BANK SERVICE FEES	11-20 007955	01/08/21	66.00	1187330
101-141-801.310	LOCATOR SERVICE	WEST GROUP PAYMENT CTR	DECEMBER LOCATE SERVICES-CLEAR	843580577	01/08/21	566.50	1187367
101-141-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	MAFCA	ANNUAL 2021 MAFCA MEMBERSHIP SMATHE'	01042021	01/08/21	75.00	1187343
			Total For Dept 141 FOC			1,074.76	
Dept 148 PROBATE COURT							
101-148-807.020	INDIGENT LEGAL COSTS (NON-	HEIDI BEHNKE	COURT APPOPINTED ATTORNEY FOR 2020-	12.21.2020	01/08/21	100.00	1187320
101-148-807.020	INDIGENT LEGAL COSTS (NON-	SAGINAW COUNTY PROBATE	COURT APPOINTED ATTORNEY FEE FOR 20	12.21.2020	01/08/21	65.00	1187351
101-148-807.020	INDIGENT LEGAL COSTS (NON-	STEVEN N. MARGOLIN	COURT APPOINTED ATTY FEE FOR 2020-1	12.4.2020	01/08/21	65.00	1187358
101-148-807.020	INDIGENT LEGAL COSTS (NON-	HEIDI DUNCAN	COURT APPOINTED GAL FEE FOR 2020-24	1.4.2021	01/08/21	100.00	18554
			Total For Dept 148 PROBATE COURT			330.00	
Dept 149 FAMILY/JUVENILE COURT							
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	HEIDI ANN DUNCAN	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	555.77	18555
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	DANIEL J. FRENCH	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	1,190.00	18558
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	ROBERT KARDATZKE	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	90.00	18564
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	ELIZABETH MCCREE	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	1,630.00	18569
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	JAMES M. MILLER LAW OF	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	180.00	18573
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	SARAH SCOGGIN	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	565.00	18583
101-149-807.060	LEGAL COSTS-NEGLECT/ABUSE	STEPHEN K. WOODS. P.C.	NEGLECT/ABUSE - INDIGENT DEFENSE	182021	01/08/21	180.00	18593
101-149-902.000	PUBLIC NOTIFICATION/LEGAL	LEADER PUBLICATIONS LL	PUBLIC NOTIFICATION, ACCT #14446; A	182021	01/08/21	50.10	18567
			Total For Dept 149 FAMILY/JUVENILE COURT			4,440.87	
Dept 172 ADMINISTRATION							
101-172-727.001	SUPPLIES - COVID-19	KSS ENTERPRISES	CLOROX CLEANER FOR COVID CLEANING M	1272112	01/08/21	385.43	1187339
101-172-727.001	SUPPLIES - COVID-19	CDW GOVERNMENT, INC.	NEW PCS FOR PA OFFICE (ONE OF THREE	5818637	01/08/21	21,150.90	18548
101-172-727.001	SUPPLIES - COVID-19	CDW GOVERNMENT, INC.	NEW PCS FOR PA OFFICE (TWO OF THREE	5465754	01/08/21	2,350.10	18548
101-172-727.001	SUPPLIES - COVID-19	CDW GOVERNMENT, INC.	NEW PC'S FOR PA OFFICE (THREE OF TH	4542331	01/08/21	6,307.00	18548
			Total For Dept 172 ADMINISTRATION			30,193.43	
Dept 210 CIVIL COUNSEL							
101-210-807.000	LEGAL FEES	KREIS, ENDERLE, HUDGIN	LEGAL FEES - EASEMENT FOR MERIT NET'	320965TGK	01/08/21	266.00	18566
			Total For Dept 210 CIVIL COUNSEL			266.00	
Dept 219 CLERK-REGISTER							
101-219-728.020	SUPPLIES CIRCUIT COURT	ROBERT BUDLONG	2021 FOLDER LABELS CCFR	020207	01/06/21	16.45	1187379
101-219-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	MICHIGAN ASSOC OF REG	MARD MEMBERSHIP DUES FOR 2021	JAN 1001	01/06/21	350.00	1187372
			Total For Dept 219 CLERK-REGISTER			366.45	
Dept 223 CONTROLLER							
101-223-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	FLEX ADMINISTRATORS, I	COBRA ADMIN FEES - DECEMBER	225872	01/08/21	84.10	1187331
			Total For Dept 223 CONTROLLER			84.10	
Dept 225 EQUALIZATION							

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	heck #
Fund 101 TREASURER							
Dept 225 EQUALIZATION							
101-225-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	MID-MICHIGAN ASS OF AS	MEMBERSHIP DUES - T STEWART	01052021	01/08/21	20.00	1187347
			Total For Dept 225 EQUALIZATION			20.00	
Dept 229 PROSECUTING ATTORNEY							
101-229-705.010	INTERN	CDW GOVERNMENT, INC.	CREDIT FOR OVERPAYMENT	01052021	01/08/21	(27.36)	18548
101-229-801.229	PROFESSIONAL/CONTRACTUAL S	WEST GROUP PAYMENT CTR	CLEAR PROFLEX 12/1-12/31/2020	843600718	01/08/21	229.27	1187367
101-229-843.000	APPELLATE & RECORDING FEES	CASS CO. CLERK	PAROLE BOARD APPEAL	LEAMON	12/30/20	175.00	1187315
			Total For Dept 229 PROSECUTING ATTORNEY			376.91	
Dept 231 VICTIM RIGHTS GRANT							
101-231-811.200	VETERINARY SERVICES/K-9 SU	AMANDA SMEGO	FOOD FOR CANINE ADVOCATE 10/1/2020	3100508037	01/08/21	195.98	18584
			Total For Dept 231 VICTIM RIGHTS GRANT			195.98	
Dept 233 PURCHASING							
101-233-729.131	OFFICE SUPPLY-CIRCUIT COUR	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	63.30	18559
101-233-729.136	OFFICE SUPPLY-DISTRICT COU	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	97.67	18559
101-233-729.149	OFFICE SUPPLY-FAMILY COURT	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	116.64	18559
101-233-729.219	OFFICE SUPPLY-CLERK/FILE F	GOVERNMENTAL PRODUCTS	2021 MARRIAGE AND DEATH LIBER BOOKS	4572	01/06/21	268.35	1187371
101-233-729.219	OFFICE SUPPLY-CLERK/FILE F	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	96.00	18559
101-233-729.229	OFFICE SUPPLY-PROSECUTOR	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	45.50	18559
101-233-729.301	OFFICE SUPPLY-SHERIFF/JAIL	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	109.93	18559
101-233-730.000	POSTAGE	UPS	UPS CHARGES	565500	01/08/21	31.78	1187363
101-233-731.000	PAPER SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	1,256.00	18559
101-233-732.000	COMPUTER SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	134.66	1187316
101-233-732.000	COMPUTER SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	79.65	1187316
101-233-732.000	COMPUTER SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	228.89	1187316
101-233-732.000	COMPUTER SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	138.98	1187316
101-233-732.000	COMPUTER SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	126.99	18559
101-233-732.000	COMPUTER SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	169.00	18559
101-233-732.000	COMPUTER SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	189.05	18559
101-233-732.000	COMPUTER SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	290.04	18559
101-233-803.315	SUPPORT SERVICES	RAPID SHRED	SHREDDING BIN PICKUP THROUGH 12/31/	84763	01/08/21	250.00	18587
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	360.22	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	106.59	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	49.60	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	54.55	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	26.28	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	50.25	1187307
101-233-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	(0.35)	1187307
101-233-850.000	TELEPHONE	TELEGRATION	CELL PHONE CHARGES	9953-0000	12/29/20	3.80	18542
101-233-850.000	TELEPHONE	TELNET WORLDWIDE	LONG DISTANCE - COUNTY BUILDINGS	210690	01/06/21	811.79	18543
101-233-850.030	TELEPHONE-MDOC	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	45.07	1187307
101-233-900.000	PRINTING & BINDING	KCI	PERSONAL PROPERTY STATEMENTS	295402	01/08/21	456.84	1187337
			Total For Dept 233 PURCHASING			5,657.07	
Dept 253 TREASURER							
101-253-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	MICHIGAN ASSOC OF COUN	MEMBERSHIP DUES - H ANDERSON	1902	01/08/21	200.00	1187345
			Total For Dept 253 TREASURER			200.00	
Dept 258 INFORMATION SYSTEMS							
101-258-980.000	NEW EQUIPMENT	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	71.99	1187316
101-258-980.000	NEW EQUIPMENT	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	267.00	1187316
101-258-987.090	SOFTWARE MAINT-ANTI-VIRUS	SHI INTERNATIONAL CORP	SYMANTEC ENPOINT YEARLY RENEWAL	B12816918	01/08/21	3,333.00	1187353

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	heck #
Fund 101 TREASURER							
Dept 258 INFORMATION SYSTEMS							
			Total For Dept 258 INFORMATION SYSTEMS			3,671.99	
Dept 265 MAINTENANCE							
101-265-746.010	UNIFORMS	UNIFIRST CORPORATION	UNIFORMS - MAINTENANCE	1433128	01/08/21	188.64	1187362
101-265-777.070	PROPANE FUEL	MARATHON OIL COMPANY	FUEL - MAINTENANCE	69340002	01/08/21	109.97	18568
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	75.30	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	41.67	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	57.31	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	126.15	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	70.01	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	14.50	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	12.36	18572
101-265-920.060	ELECTRICITY - PARKS	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	91.06	18572
101-265-922.009	WATER/SEWER - COURTHOUSE	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	181.73	1187365
101-265-922.010	WATER/SEWER - MAINT. GARAC	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	58.67	1187365
101-265-922.020	WATER/SEWER - L&C	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	156.81	1187365
101-265-922.030	WATER/SEWER - MDOC	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	60.28	1187365
101-265-922.040	WATER/SEWER - JAIL	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	4,640.80	1187365
101-265-922.040	WATER/SEWER - JAIL	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	12.13	1187365
101-265-922.050	WATER/SEWER - ANIMAL CONTI	VILLAGE OF CASSOPOLIS	WATER SEWER (7)	01022021	01/08/21	282.81	1187365
101-265-930.075	GENERAL REPAIRS	AIM SOFTENER SALT & WA	WATER SOFTENER SALT	121820	01/08/21	882.00	1187317
101-265-930.075	GENERAL REPAIRS	STEVE VAN ZILE	CLOCK TOWER REPAIRS	87142	01/08/21	950.00	1187364
101-265-930.075	GENERAL REPAIRS	R. W. LAPINE INC.	DISPATCH REPAIRS/SHOP HEATER UNIT R	123120	01/08/21	369.00	18577
101-265-930.075	GENERAL REPAIRS	R. W. LAPINE INC.	DISPATCH REPAIRS/SHOP HEATER UNIT R	123120	01/08/21	164.00	18577
101-265-930.075	GENERAL REPAIRS	TRANE	REPAIR BASEBOARD HEATERS AT JAIL	311246946	01/08/21	1,702.00	18588
			Total For Dept 265 MAINTENANCE			10,247.20	
Dept 275 DRAIN COMMISSIONER							
101-275-801.000	PROFESSIONAL/CONTRACTUAL S	MISS DIG SYSTEM INC	MEMBERSHIP FEES/ANNUAL MAINTENANCE	20211185	01/08/21	4,733.11	1187348
101-275-801.275	PROFESSIONAL/CONTRACTUAL -	PETER VANDOP	SAW GRANT - GEO DATABASE EDITING/PP	33	01/08/21	7,200.00	18589
101-275-802.000	DUES/MEMBERSHIP/SUBSCRIPTI	MACDC (MI ASSOC.DRAIN	MEMBERSHIP DUES	5205	01/08/21	250.00	1187342
			Total For Dept 275 DRAIN COMMISSIONER			12,183.11	
Dept 282 COURT GRANT PROGRAMS							
101-282-727.315	SUPPLIES ADULT DRUG COURT	MICHIANA DRUG TESTING	DRUG TESTING NOVEMBER 2020	1774/1773	01/08/21	3,087.00	18570
101-282-801.010	CONTRACTUAL	PRESTON COLLETT	MENTAL HEALTH COURT AND SCAO FTC	182021	01/08/21	360.00	18549
101-282-801.010	CONTRACTUAL	PRESTON COLLETT	MENTAL HEALTH COURT AND SCAO FTC GR	182021	01/08/21	360.00	18549
101-282-801.010	CONTRACTUAL	MEGHAN DAWSON	MENTAL HEALTH COURT AND SCAO FTC	182021	01/08/21	720.00	18552
101-282-801.010	CONTRACTUAL	MONIQUE DORTCH	MENTAL HEALTH COURT GRANT	182021	01/08/21	520.00	18553
101-282-801.010	CONTRACTUAL	MONIQUE DORTCH	MENTAL HEALTH COURT CONTRACTUAL	182021	01/08/21	520.00	18553
101-282-801.010	CONTRACTUAL	BARBARA M. HOWES	MENTAL HEALTH COURT/SWIFT AND SURE/	182021	01/08/21	600.00	18560
101-282-801.010	CONTRACTUAL	MICHIANA DRUG TESTING	SA TESTING, #1772,, 1771 AND #1764	182021	01/08/21	312.00	18570
101-282-801.010	CONTRACTUAL	HEATHER PAULEY	MENTAL HEALTH COURT/SWIFT AND SURE/	182021	01/08/21	108.15	18576
101-282-801.010	CONTRACTUAL	HEATHER PAULEY	MENTAL HEALTH COURT, SWIFT AND SURE	182021	01/08/21	108.15	18576
101-282-801.010	CONTRACTUAL	JESSEE SCHOETZOW	MENTAL HEALTH COURT; SWIFT AND SURE	182021	01/08/21	42.00	18582
101-282-801.010	CONTRACTUAL	BRADLEY WEST	MENTAL HEALTH COURT/SWIFT AND SURE/	182021	01/08/21	216.00	18591
101-282-801.010	CONTRACTUAL	MEGAN ZEEDYK	MENTAL HEALTH COURT/SWIFT AND SURE/	182021	01/08/21	12.60	18595
101-282-801.020	CONTRACTUAL SWIFT & SURE	RAYMOND FLEMING	SWIFT AND SURE GRANT 12/17 - 12/30	182021	01/08/21	78.43	18557
101-282-801.020	CONTRACTUAL SWIFT & SURE	BARBARA M. HOWES	MENTAL HEALTH COURT/SWIFT AND SURE/	182021	01/08/21	1,000.00	18560
101-282-801.020	CONTRACTUAL SWIFT & SURE	CLARENCE JAMES	SWIFT AND SURE/SCAO FTC/OJJDP GRANT	182021	01/08/21	460.00	18562
101-282-801.020	CONTRACTUAL SWIFT & SURE	AMY KERN	SWIFT AND SURE GRANT	182021	01/08/21	52.02	18565
101-282-801.020	CONTRACTUAL SWIFT & SURE	MICHIANA DRUG TESTING	SA TESTING, #1772,, 1771 AND #1764	182021	01/08/21	1,196.00	18570
101-282-801.020	CONTRACTUAL SWIFT & SURE	GRACE MULLER	SWIFT AND SURE AND SCAO FTC GRANTS	182021	01/08/21	800.00	18574
101-282-801.020	CONTRACTUAL SWIFT & SURE	JONI PATZER	SWIFT AND SURE CONTRACTUAL GRANT	182021	01/08/21	370.00	18575

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	heck #
Fund 101 TREASURER							
Dept 282 COURT GRANT PROGRAMS							
101-282-801.020	CONTRACTUAL SWIFT & SURE	HEATHER PAULEY	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	6.00	18576
101-282-801.020	CONTRACTUAL SWIFT & SURE	HEATHER PAULEY	MENTAL HEALTH COURT, SWIFT AND SURE	182021	01/08/21	6.00	18576
101-282-801.020	CONTRACTUAL SWIFT & SURE	TASIA ROBERTS	SWIFT AND SURE GRANT	182021	01/08/21	1,000.00	18580
101-282-801.020	CONTRACTUAL SWIFT & SURE	JESSEE SCHOETZOW	MENTAL HEALTH COURT; SWIFT AND SURE	182021	01/08/21	84.00	18582
101-282-801.020	CONTRACTUAL SWIFT & SURE	BRADLEY WEST	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	72.00	18591
101-282-801.020	CONTRACTUAL SWIFT & SURE	WOODLANDS BEHAVIORAL H	SWIFT AND SURE GRANT FOR NOV. CBT G	182021	01/08/21	75.00	18592
101-282-801.020	CONTRACTUAL SWIFT & SURE	MEGAN ZEEDYK	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	20.40	18595
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	PRESTON COLLETT	ATC/SC 12/17 - 12/30/20	1/4/21	01/08/21	234.00	18549
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	MONIQUE DORTCH	ATC/SC 12/17 - 12/30/20	1/4/21	01/08/21	1,080.00	18553
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	RAYMOND FLEMING	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	108.00	18557
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	BARBARA M. HOWES	ATC/SC 12/17 - 12/30/20	1/4/20	01/08/21	1,200.00	18560
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	AMY KERN	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	52.02	18565
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	MICHIANA DRUG TESTING	DRUG TESTING NOVEMBER 2020	1774/1773	01/08/21	755.00	18570
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	HEATHER PAULEY	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	344.60	18576
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	TASIA ROBERTS	ATC/SC 12/17/20 - 12/30/20	1/4/20	01/08/21	600.00	18580
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	CHELSEA SCHOETZOW	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	480.00	18581
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	JESSEE SCHOETZOW	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	126.00	18582
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	BRADLEY WEST	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	144.45	18591
101-282-801.090	CONTRACTUAL BYRNE JAG GRAI	MEGAN ZEEDYK	ATC/SC 12/17 - 12/30/20	01/04/21	01/08/21	197.63	18595
101-282-801.315	CONTRACTUAL ADULT DRUG COU	PRESTON COLLETT	ATC/SC 12/17 - 12/30/20	1/4/21	01/08/21	486.00	18549
101-282-803.315	CIVIL & HOUSING ASSISTANCE	FEDERATED COVENANT CHU	TRANSITIONAL HOUSING ATC/SC 9/2020 '	01/04/20	01/08/21	900.00	18556
			Total For Dept 282 COURT GRANT PROGRAMS			18,893.45	
Dept 301 OFFICE OF SHERIFF							
101-301-727.000	TECHNICAL SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	11.95	1187316
101-301-727.000	TECHNICAL SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	7.23	1187316
101-301-727.000	TECHNICAL SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	19.10	1187316
101-301-727.000	TECHNICAL SUPPLIES	W. B. HAYDEN & SONS CO	KEYS	214432	01/08/21	5.98	1187366
101-301-727.000	TECHNICAL SUPPLIES	W. B. HAYDEN & SONS CO	KEYS	212819	01/08/21	3.78	1187366
101-301-727.001	SUPPLIES - COVID-19	LAKELAND CARE INC	COVID TESTING	CI-2826	01/08/21	675.00	1187340
101-301-727.001	SUPPLIES - COVID-19	LAKELAND MEDICAL CENTE	COVID TESTING	800000501	01/08/21	199.00	1187341
101-301-746.010	UNIFORMS	NYE UNIFORM CO.	UNIFORMS	757690	01/08/21	39.50	1187349
101-301-777.000	MOTOR FUEL/LUBRICANT	J & H OIL COMPANY	FUEL	CFSI-4494	01/08/21	41.11	18561
101-301-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	3,686.60	18594
101-301-777.001	VEHICLE REPAIRS/MAINTENANC	C. WIMBERLEY FORD-MERC	VEH MAINT	52999	01/08/21	353.34	1187322
101-301-777.001	VEHICLE REPAIRS/MAINTENANC	CASS AUTO SUPPLY CO, I	VEH MAINT	1-112898	01/08/21	34.53	1187323
101-301-777.001	VEHICLE REPAIRS/MAINTENANC	CURTIS ROHDY	BRAKES	12142020	01/08/21	316.10	1187336
101-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	67.22	1187307
101-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	(19.72)	1187307
101-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	102.55	1187307
101-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	306.11	1187307
101-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	103.42	1187307
101-301-850.000	TELEPHONE	TELEGRATION	CELL PHONE CHARGES	9953-0000	12/29/20	9.04	18542
101-301-850.000	TELEPHONE	TELNET WORLDWIDE	LONG DISTANCE - COUNTY BUILDINGS	210690	01/06/21	26.44	18543
101-301-850.000	TELEPHONE	AT&T	CELL PHONE TRACKING	372569	01/08/21	70.00	1187319
101-301-870.000	PRISONER EXTRADITION	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	242.23	18594
101-301-980.000	NEW EQUIPMENT	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	25.97	1187316
101-301-980.000	NEW EQUIPMENT	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	105.40	1187316
			Total For Dept 301 OFFICE OF SHERIFF			6,431.88	
Dept 304 SECONDARY ROAD PATROL GRANT							
101-304-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	342.07	18594

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Fund 101 TREASURER							
Dept 304 SECONDARY ROAD PATROL GRANT							
			Total For Dept 304 SECONDARY ROAD PATROL GRANT			342.07	
Dept 306 HOWARD TOWNSHIP POLICE							
101-306-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	262.75	18594
			Total For Dept 306 HOWARD TOWNSHIP POLICE			262.75	
Dept 351 JAIL OPERATION							
101-351-727.000	TECHNICAL SUPPLIES	DASH	GLOVES FOR JAIL	INV1223401	01/08/21	319.80	1187328
101-351-727.000	TECHNICAL SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	100.99	18559
101-351-735.060	IN COUNTY INMATE MEDICAL (	CORRECTIONAL RECOVERY	INMATE MEDICAL	100033792	01/08/21	6,054.16	18550
101-351-735.060	IN COUNTY INMATE MEDICAL (	CORRECTIONAL RECOVERY	INMATE MEDICAL	100033802	01/08/21	12,126.63	18550
101-351-775.000	CLEANING SUPPLIES	GREAT LAKES TISSUE	INMATE TP	0050848-IN	01/08/21	775.00	1187334
101-351-775.000	CLEANING SUPPLIES	UNIFIRST CORPORATION	RUGS	099 0273699	01/08/21	38.93	1187362
101-351-777.000	MOTOR FUEL/LUBRICANT	J & H OIL COMPANY	JAIL GENERATOR FUEL	9479099	01/08/21	915.00	18561
101-351-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	138.95	18594
101-351-814.000	PRISONER BOARD (MEALS)	CANTEEN SERVICES, INC.	INMATE MEALS WEEK OF 12/13/20-12/19	103469	01/08/21	3,031.98	18547
101-351-814.000	PRISONER BOARD (MEALS)	CANTEEN SERVICES, INC.	INMATE MEALS WEEK OF 12/20/20-12/26	103630	01/08/21	3,103.66	18547
101-351-835.010	CONTRACTUAL DOCTOR	ADVANCED CORREC HEALTH	ONSITE JAIL NURSE 11/29/20-12/12/20	102634	01/08/21	272.06	18544
101-351-835.010	CONTRACTUAL DOCTOR	ADVANCED CORREC HEALTH	ONSITE JAIL MEDICAL 02/2021	102742	01/08/21	23,630.69	18544
101-351-850.000	TELEPHONE	TELEGRATION	CELL PHONE CHARGES	9953-0000	12/29/20	85.00	18542
101-351-850.000	TELEPHONE	TELNET WORLDWIDE	LONG DISTANCE - COUNTY BUILDINGS	210690	01/06/21	373.26	18543
			Total For Dept 351 JAIL OPERATION			50,966.11	
Dept 430 ANIMAL CONTROL							
101-430-727.000	TECHNICAL SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	14.75	18559
101-430-777.000	MOTOR FUEL/LUBRICANT	J & H OIL COMPANY	FUEL	CFSI-4498	01/08/21	133.40	18561
101-430-850.000	TELEPHONE	TELNET WORLDWIDE	LONG DISTANCE - COUNTY BUILDINGS	210690	01/06/21	328.46	18543
			Total For Dept 430 ANIMAL CONTROL			476.61	
Dept 648 MEDICAL EXAMINER							
101-648-818.010	MED EXAM INVESTIGATOR FEES	KEN COX	MEI	CORY RITCHIE	01/08/21	75.00	1187327
101-648-818.010	MED EXAM INVESTIGATOR FEES	KEN COX	MEI	RICHARD NORMAN A	01/08/21	75.00	1187327
101-648-818.010	MED EXAM INVESTIGATOR FEES	KEN COX	MEI	DANIAL THOMAS BO	01/08/21	75.00	1187327
101-648-818.010	MED EXAM INVESTIGATOR FEES	KEN COX	MEI	HAROLD SCHLABACH	01/08/21	75.00	1187327
101-648-818.010	MED EXAM INVESTIGATOR FEES	ALYSSA COX	MEI	JAMES J RUSSELL	01/08/21	75.00	18551
101-648-818.010	MED EXAM INVESTIGATOR FEES	JEFFREY L JOHNSON	MEI	JAMES RUTZ	01/08/21	75.00	18563
101-648-818.010	MED EXAM INVESTIGATOR FEES	ROBERT L SMITH	MEDICAL EXAM INVESTIGATOR	DIANE WARR	01/08/21	75.00	18585
101-648-860.000	TRAVEL/TRANSPORTATION	KEN COX	MEI	CORY RITCHIE	01/08/21	28.75	1187327
101-648-860.000	TRAVEL/TRANSPORTATION	KEN COX	MEI	RICHARD NORMAN A	01/08/21	17.25	1187327
101-648-860.000	TRAVEL/TRANSPORTATION	KEN COX	MEI	DANIAL THOMAS BO	01/08/21	23.00	1187327
101-648-860.000	TRAVEL/TRANSPORTATION	KEN COX	MEI	HAROLD SCHLABACH	01/08/21	28.75	1187327
101-648-860.000	TRAVEL/TRANSPORTATION	ALYSSA COX	MEI	JAMES J RUSSELL	01/08/21	26.68	18551
101-648-860.000	TRAVEL/TRANSPORTATION	ROBERT L SMITH	MEDICAL EXAM INVESTIGATOR	DIANE WARR	01/08/21	2.30	18585
			Total For Dept 648 MEDICAL EXAMINER			651.73	
Dept 681 VETERANS BURIALS							
101-681-831.001	BURIAL FEES	BRANDON CADY	BURIAL BENEFIT - CADY	1220	01/08/21	300.00	1187321
101-681-831.001	BURIAL FEES	GERALD MIKEL	BURIAL BENEFIT - MIKEL	1222	01/08/21	300.00	1187333
101-681-831.001	BURIAL FEES	CONNELLY CHAPEL WAGNER	BURIAL BENEFIT - LAWRENCE	1217	01/08/21	300.00	18590
			Total For Dept 681 VETERANS BURIALS			900.00	
			Total For Fund 101 TREASURER			149,277.47	
Fund 208 PARKS SPECIAL REVENUE							

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Fund 208 PARKS SPECIAL REVENUE							
Dept 751 PARKS & RECREATION							
208-751-727.000	SUPPLIES	W. B. HAYDEN & SONS CO	SUPPLIES	215679	01/08/21	56.39	1187366
208-751-777.000	MOTOR FUEL/LUBRICANT	J & H OIL COMPANY	FUEL	050152	01/08/21	237.08	18561
208-751-803.003	CONTRACT SVCS - PARK EVENT	GARRETT LABORATORIES I	WATER TESTING	76492	01/08/21	150.00	1187332
208-751-803.003	CONTRACT SVCS - PARK EVENT	OCBA	LAWLESS MASTER PLAN VENDOR	52016-2	01/08/21	1,155.00	1187350
208-751-930.001	SPECIAL EVENTS	MICHIGAN FESTIVAL OF S	VIOLINIST FOR DARK SKY NIGHT	1	01/08/21	200.00	1187346
208-751-930.002	EQUIPMENT REPAIRS	CASS AUTO SUPPLY CO, I	MAINTENANCE REPAIRS	16789	01/08/21	16.30	1187323
			Total For Dept 751 PARKS & RECREATION			1,814.77	
			Total For Fund 208 PARKS SPECIAL REVENUE			1,814.77	
Fund 216 FAMILY DRUG COURT GRANTS							
Dept 166 FAMILY DRUG COURT							
216-166-801.053	CONTRACTUAL	AREA CHURCHES TOGETHER	HOUSING FOR #146 JC OJJDP GRANT	182021	01/08/21	216.00	1187318
216-166-801.053	CONTRACTUAL	BARBARA M. HOWES	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	1,000.00	18560
216-166-801.053	CONTRACTUAL	CLARENCE JAMES	SWIFT AND SURE/SCAO FTC/OJJDP GRANT	182021	01/08/21	1,200.00	18562
216-166-801.053	CONTRACTUAL	HEATHER PAULEY	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	144.05	18576
216-166-801.053	CONTRACTUAL	HEATHER PAULEY	MENTAL HEALTH COURT, SWIFT AND SURE	182021	01/08/21	144.05	18576
216-166-801.053	CONTRACTUAL	CHELSEA SCHOETZOW	OJP GRANT 12/27 - 12/30	182021	01/08/21	562.23	18581
216-166-801.053	CONTRACTUAL	JESSEE SCHOETZOW	MENTAL HEALTH COURT; SWIFT AND SURE	182021	01/08/21	84.00	18582
216-166-801.053	CONTRACTUAL	BRADLEY WEST	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	141.93	18591
216-166-801.053	CONTRACTUAL	MEGAN ZEEDYK	MENTAL HEALTH COURT/SWIFT AND SURE/(	182021	01/08/21	16.20	18595
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	PRESTON COLLETT	MENTAL HEALTH COURT AND SCAO FTC	182021	01/08/21	720.00	18549
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	PRESTON COLLETT	MENTAL HEALTH COURT AND SCAO FTC GR	182021	01/08/21	720.00	18549
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	MEGHAN DAWSON	MENTAL HEALTH COURT AND SCAO FTC	182021	01/08/21	720.00	18552
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	CLARENCE JAMES	SWIFT AND SURE/SCAO FTC/OJJDP GRANT	182021	01/08/21	1,050.00	18562
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	MICHIANA DRUG TESTING	SA TESTING, #1772,, 1771 AND #1764	182021	01/08/21	1,222.00	18570
216-166-801.220	(SCAO) (MHSDCP) CONTRACTUA	GRACE MULLER	SWIFT AND SURE AND SCAO FTC GRANTS	182021	01/08/21	800.00	18574
			Total For Dept 166 FAMILY DRUG COURT			8,740.46	
			Total For Fund 216 FAMILY DRUG COURT GRANTS			8,740.46	
Fund 233 MARCELLUS TWP POLICE CONTRACT							
Dept 310 COPS FAST GRANT							
233-310-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	149.44	18594
233-310-852.000	VEHICLE MAINTENANCE	CURTIS ROHDY	BRAKES	12072020	01/08/21	345.29	1187336
			Total For Dept 310 COPS FAST GRANT			494.73	
			Total For Fund 233 MARCELLUS TWP POLICE CONTRACT			494.73	
Fund 243 ECONOMIC DEVELOPMENT CORP.							
Dept 728 ECONOMIC DEVELOPMENT							
243-728-723.802	DUES/MEMBERSHIP/SUBSCRIPTI	EDWARDSBURG CHAMBER OF	ANNUAL DUES	122820	01/08/21	99.00	1187329
			Total For Dept 728 ECONOMIC DEVELOPMENT			99.00	
			Total For Fund 243 ECONOMIC DEVELOPMENT CORP.			99.00	
Fund 258 MIDC (MICHIGAN INDIGENT DEFENSE COMM.)							
Dept 258 INFORMATION SYSTEMS							
258-258-807.021	EXPERT INVESTIGATOR FEES	RADDE INVESTIGATIVE&SE	EXPERT INVESTIGATOR FEES	12222020	01/08/21	1,965.60	18578
			Total For Dept 258 INFORMATION SYSTEMS			1,965.60	
			Total For Fund 258 MIDC (MICHIGAN INDIGENT DEFENS			1,965.60	
Fund 261 CENTRAL DISPATCH FUND							

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Fund 261 CENTRAL DISPATCH FUND							
Dept 301 OFFICE OF SHERIFF							
261-301-775.000	CLEANING SUPPLIES	UNIFIRST CORPORATION	RUGS	099 0272816	01/08/21	28.11	1187362
261-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	1,281.26	1187307
261-301-850.000	TELEPHONE	FRONTIER	TELEPHONE - NEWTON HOME/CCSO/COUNTY	12282020	12/28/20	119.18	1187307
261-301-850.000	TELEPHONE	TELEGRATION	CELL PHONE CHARGES	9953-0000	12/29/20	3.86	18542
261-301-922.000	WATER / SEWER	CASSOPOLIS VILLAGE TRE	DISPATCH WATER/SEWER 11/16/20-12/15	1VC1209	01/08/21	85.13	1187324
261-301-980.000	NEW EQUIPMENT	TELE-RAD, INC.	FOOTPEDAL EXT	900385	01/08/21	59.85	1187359
			Total For Dept 301 OFFICE OF SHERIFF			1,577.39	
			Total For Fund 261 CENTRAL DISPATCH FUND			1,577.39	
Fund 267 SHERIFF NON-DRUG FORFEIT. FUND							
Dept 301 OFFICE OF SHERIFF							
267-301-701.000	EXPENDITURES	CLARK'S TOWING	DODGE RAM 1500	2348	01/08/21	115.00	1187325
267-301-701.000	EXPENDITURES	THE SOUTH BEND CLINIC	PHIL JOHNSON	16175 - P JOHNSO	01/08/21	582.82	1187360
			Total For Dept 301 OFFICE OF SHERIFF			697.82	
			Total For Fund 267 SHERIFF NON-DRUG FORFEIT. FUND			697.82	
Fund 271 C.C. DRUG ENFORCEMENT TEAM							
Dept 301 OFFICE OF SHERIFF							
271-301-727.012	DRUG TEAM SUPPLIES	VANCE OUTDOORS INC.	AMMO	3744182-IN	12/28/20	151.75	1187306
271-301-727.012	DRUG TEAM SUPPLIES	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	32.18	1187316
271-301-727.012	DRUG TEAM SUPPLIES	W. B. HAYDEN & SONS CO	SALT	218742	01/08/21	7.99	1187366
271-301-727.012	DRUG TEAM SUPPLIES	GLOBAL OFFICE SOLUTION	OFFICE SUPPLIES	CSUM-102794	01/08/21	17.04	18559
271-301-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	738.21	18594
271-301-850.000	TELEPHONE	SPRINT	TOWER SEARCH	LCI-345697	01/08/21	150.00	1187354
271-301-920.000	UTILITIES	SEMCO ENERGY	CCDET UTILITIES 11/06/20-12/08/20	0148570.501	01/08/21	45.21	1187352
271-301-920.000	UTILITIES	SEMCO ENERGY	CCDET UTILITIES 11/06/20-12/08/20	0148572.503	01/08/21	79.01	1187352
271-301-920.000	UTILITIES	SEMCO ENERGY	CCDET UTILITIES 11/06/20-12/08/20	0148575.501	01/08/21	46.92	1187352
271-301-920.000	UTILITIES	MICHIANA RECYCLING & D	CCDET GARBAGE SVC 02/2021-04/2021	2675101	01/08/21	82.50	18571
271-301-920.000	UTILITIES	MIDWEST ENERGY COOPERA	CCDET UTILITIES 11/15/20-12/15/20	2850801	01/08/21	167.23	18572
271-301-920.000	UTILITIES	MIDWEST ENERGY COOPERA	CCDET UTILITIES 11/15/20-12/15/20	2851202	01/08/21	118.56	18572
271-301-920.000	UTILITIES	MIDWEST ENERGY COOPERA	CCDET UTILITIES 11/15/20-12/15/20	3813101	01/08/21	46.14	18572
			Total For Dept 301 OFFICE OF SHERIFF			1,682.74	
			Total For Fund 271 C.C. DRUG ENFORCEMENT TEAM			1,682.74	
Fund 272 K-9 DRUG FUND							
Dept 301 OFFICE OF SHERIFF							
272-301-777.000	MOTOR FUEL/LUBRICANT	WRIGHT EXPRESS	FUEL 12/2020	69325069	01/08/21	244.43	18594
272-301-811.200	VETERINARY SERVICES/K-9 SU	COMMUNITY MILLS, INC.	FAUST DOG FOOD	00458564	01/08/21	65.80	1187326
			Total For Dept 301 OFFICE OF SHERIFF			310.23	
			Total For Fund 272 K-9 DRUG FUND			310.23	
Fund 275 SHERIFF'S JUSTICE TRN GRANT							
Dept 301 OFFICE OF SHERIFF							
275-301-701.000	EXPENDITURES	VANCE OUTDOORS INC.	AMMO PO #5	3744181-IN	12/28/20	1,125.00	1187306
275-301-701.000	EXPENDITURES	VANCE OUTDOORS INC.	AMMO	3744182-IN	12/28/20	521.05	1187306
275-301-701.000	EXPENDITURES	VANCE OUTDOORS INC.	AMMO	3744183-IN	12/28/20	1,553.95	1187306
			Total For Dept 301 OFFICE OF SHERIFF			3,200.00	
			Total For Fund 275 SHERIFF'S JUSTICE TRN GRANT			3,200.00	

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	check #
Fund 283 COMMUNITY DEVELOPMENT GRANT							
Dept 707 COMM DEVELOPMENT HOUSING GRANT							
283-707-700.050	PROGRAM INCOME EXPENDITURE	MARCELLUS VILLAGE TREA	ELECTRIC - MARCELLUS HOUSE	100428 ACCOUNT#	01/08/21	62.16	1187344
			Total For Dept 707 COMM DEVELOPMENT HOUSING GRANT			62.16	
			Total For Fund 283 COMMUNITY DEVELOPMENT GRANT			62.16	
Fund 284 COMMUNITY CORRECTIONS GRANT							
Dept 362 JAIL TRAINING							
284-362-801.064	CONTRACTUAL COGNITIVE MRT	PRESTON COLLETT	JAIL MRT GROUP 11/2020	0002	01/08/21	600.00	18549
284-362-801.067	PRETRIAL SERVICES & SUPERV	HOUSE ARREST SERVICES,	GPS 11/2020	1542777-NOV	01/08/21	1,959.00	1187335
			Total For Dept 362 JAIL TRAINING			2,559.00	
			Total For Fund 284 COMMUNITY CORRECTIONS GRANT			2,559.00	
Fund 292 FAMILY COURT CHILD CARE FUND							
Dept 662 CHILD CARE - FAMILY							
292-662-801.150	COURT WRAPAROUND PROGRAM	ROBERT BROOKS	WRAPAROUND SERVICES 12/18 -2020 - 1	182021	01/08/21	1,520.00	18546
			Total For Dept 662 CHILD CARE - FAMILY			1,520.00	
			Total For Fund 292 FAMILY COURT CHILD CARE FUND			1,520.00	
Fund 296 HISTORICAL COMMISSION FUND							
Dept 803 HISTORICAL COMMISSION							
296-803-701.000	EXPENDITURES	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	92.88	18572
296-803-701.000	EXPENDITURES	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	60.88	18572
			Total For Dept 803 HISTORICAL COMMISSION			153.76	
			Total For Fund 296 HISTORICAL COMMISSION FUND			153.76	
Fund 297 DHS CHILD CARE							
Dept 663 CHILD CARE - DHS							
297-663-842.001	PARENT AIDE	JESSICA BISHOP	DHHS PARENT AIDE 12/14 - 12/27/2020	182021	01/08/21	304.50	18545
297-663-842.001	PARENT AIDE	ROXANN RICE	DHHS PARENT AIDE 12/1 - 12/27/2020	182021	01/08/21	409.50	18579
			Total For Dept 663 CHILD CARE - DHS			714.00	
			Total For Fund 297 DHS CHILD CARE			714.00	
Fund 595 JAIL COMMISSARY FUND							
Dept 351 JAIL OPERATION							
595-351-726.000	SUPPLIES	CANTEEN SERVICES, INC.	INMATE COMMISSARY SALES WEEK OF 12/	1013197	01/08/21	1,905.26	18547
595-351-726.000	SUPPLIES	CANTEEN SERVICES, INC.	INMATE COMMISSARY SALES WEEK OF 12/	103360	01/08/21	1,748.72	18547
595-351-726.000	SUPPLIES	CANTEEN SERVICES, INC.	INMATE COMMISSARY SALES WEEK OF 12/	103522	01/08/21	1,815.67	18547
			Total For Dept 351 JAIL OPERATION			5,469.65	
			Total For Fund 595 JAIL COMMISSARY FUND			5,469.65	
Fund 616 TAX REVOLVING CONTROL FUND							
Dept 254 TAX SALE							
616-254-801.019	19 TAX YR SALE EXPENDITURE	TITLE CHECK, LLC	DECEMBER 2020 CERTIFIED MAILINGS	CM2012-01	01/08/21	8,741.37	1187361
			Total For Dept 254 TAX SALE			8,741.37	
			Total For Fund 616 TAX REVOLVING CONTROL FUND			8,741.37	
Fund 701 TRUST & AGENCY							
Dept 000 TREASURER							
701-000-228.005	DUE TO STATE NOTARY FEES	MICHIGAN DEPARTMENT OF	NOTARY FEES DUE STATE DECEMBER 2020	JAN 1003	01/06/21	16.00	1187373

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	check #
Fund 701 TRUST & AGENCY							
Dept 000 TREASURER							
701-000-228.040	PROBATE JUDGES RETIREMENT	STATE OF MICHIGAN	QUARTERLY RETIREMENT - DOBRICH	010520201	01/08/21	2,119.88	1187355
701-000-228.058	CIVIL FILING FEE FUND (PRC	STATE OF MICHIGAN	PROBATE COURT FEES DUE TO THE STATE	1.4.2021	01/08/21	2,700.00	1187357
701-000-228.060	SHARED FEES (PROBATE)	STATE OF MICHIGAN	PROBATE COURT FEES DUE TO THE STATE	1.4.2021	01/08/21	972.28	1187357
701-000-228.063	DUE TO STATE - SEX OFFENDE	STATE OF MICHIGAN	SOR 12/2020	551-572946	01/08/21	30.00	1187356
701-000-228.160	PISTOL PERMITS (CLERK)	MICHIGAN STATE POLICE-	CPL NEW & RENEW DECEMBER 2020	551-572915	01/06/21	4,441.00	1187375
701-000-228.370	CRIME VICTIMS RIGHTS FEES	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	1,418.48	1187374
701-000-228.420	STATE COURT FUND (SCAO) ((	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	230.00	1187374
701-000-228.424	STATE COURT FUND (SCAO) (F	STATE OF MICHIGAN	PROBATE COURT FEES DUE TO THE STATE	1.4.2021	01/08/21	305.00	1187357
701-000-228.441	STATE REAL ESTATE TRANSFEF	REAL ESTATE TRANSF.TAX	TRANSFER TAX DUE STATE DECEMBER 202	JAN 1004	01/06/21	204,588.75	1187377
701-000-228.550	DNA FEES - DUE STATE (CLEF	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	78.50	1187374
701-000-228.561	DUE STATE-E RECORDING FILI	STATE OF MICHIGAN	PROBATE COURT FEES DUE TO THE STATE	1.4.2021	01/08/21	425.00	1187357
701-000-228.563	DUE STATE-E RECORDING FILI	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	450.00	1187374
701-000-228.570	CIVIL JURY DEMAND FEES (CI	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	25.00	1187374
701-000-228.580	CIRCUIT CT FILE ROOM (CLEF	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	2,142.00	1187374
701-000-228.590	JUSTICE SYSTEM FUND (CLERF	MICHIGAN DEPARTMENT OF	CCFR STATE TRANMITTAL DECEMBER 2020	JAN 1002	01/06/21	1,236.30	1187374
701-000-265.010	BONDS PAYABLE (CLERK)	4TH DISTRICT COURT	20-10008-FH REMANDED BACK TO DC BO	JAN 1006	01/06/21	10,000.00	1187368
701-000-265.010	BONDS PAYABLE (CLERK)	NICHOEL LINN	REFUND OF BOND TO 3RD PARTY RE: THO	JAN 1005	01/06/21	1,000.00	1187376
701-000-285.031	DEPOSITS PAYABLE (CLERK-LA	CHRISTINA RISNER	REFUND OVERPAYMENT 17-10194-FH CHRI	JAN 1010	01/06/21	36.00	1187369
701-000-285.031	DEPOSITS PAYABLE (CLERK-LA	ERIK BOYER	REFUND OVERPAYMENT ERIK BOYER 08-10	JAN 1008	01/06/21	75.00	1187370
701-000-285.031	DEPOSITS PAYABLE (CLERK-LA	TAYLOR LEAL	REFUND OF OVERPAYMENT 19-10120-FH T	JAN 1009	01/06/21	30.00	1187378
701-000-285.031	DEPOSITS PAYABLE (CLERK-LA	TYLER HILL	REFUND OVERPAYMENT TYLER HILL 15-10	JAN 1007	01/06/21	17.40	1187380
701-000-285.090	DEPOSITS-BOC FLOWER/COFFEE	SYNCBAMAZON	OFFICE SUPPLIES	01052021	01/05/21	55.98	1187316
			Total For Dept 000 TREASURER			232,392.57	
			Total For Fund 701 TRUST & AGENCY			232,392.57	
Fund 841 LAKE LEVEL FUND							
Dept 275 DRAIN COMMISSIONER							
841-275-701.800	EXPENDITURES-DRAIN/LAKE	KENNETH SMITH INC	#209 LIMESTONE RIP RAP	IVC1015150	01/08/21	754.91	1187338
841-275-701.800	EXPENDITURES-DRAIN/LAKE	MIDWEST ENERGY COOPERA	ELECTRIC - PARKS/NEWTON HOME (11)	010621	01/08/21	107.44	18572
			Total For Dept 275 DRAIN COMMISSIONER			862.35	
			Total For Fund 841 LAKE LEVEL FUND			862.35	

GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Chk Date	Amount	heck #
		Fund Totals:					
			Fund 101 TREASURER			149,277.47	
			Fund 208 PARKS SPECIAL REVENUE			1,814.77	
			Fund 216 FAMILY DRUG COURT GRANTS			8,740.46	
			Fund 233 MARCELLUS TWP POLICE CONTRAC			494.73	
			Fund 243 ECONOMIC DEVELOPMENT CORP.			99.00	
			Fund 258 MIDC (MICHIGAN INDIGENT DEFE			1,965.60	
			Fund 261 CENTRAL DISPATCH FUND			1,577.39	
			Fund 267 SHERIFF NON-DRUG FORFEIT. FU			697.82	
			Fund 271 C.C. DRUG ENFORCEMENT TEAM			1,682.74	
			Fund 272 K-9 DRUG FUND			310.23	
			Fund 275 SHERIFF'S JUSTICE TRN GRANT			3,200.00	
			Fund 283 COMMUNITY DEVELOPMENT GRANT			62.16	
			Fund 284 COMMUNITY CORRECTIONS GRANT			2,559.00	
			Fund 292 FAMILY COURT CHILD CARE FUND			1,520.00	
			Fund 296 HISTORICAL COMMISSION FUND			153.76	
			Fund 297 DHS CHILD CARE			714.00	
			Fund 595 JAIL COMMISSARY FUND			5,469.65	
			Fund 616 TAX REVOLVING CONTROL FUND			8,741.37	
			Fund 701 TRUST & AGENCY			232,392.57	
			Fund 841 LAKE LEVEL FUND			862.35	
			Total For All Funds:			422,335.07	

CASS COUNTY BOARD OF COMMISSIONERS
REGULAR MEETING

January 7, 2021

The Cass County Board of Commissioners met for their Regular Meeting on Thursday, January 7, 2021 via Zoom.

Clerk/Register Monica McMichael called the meeting to order at 6:30 p.m. Commissioner File provided the Invocation.

Clerk/Register Monica McMichael called roll:

COMMISSIONERS PRESENT: Ryan Laylin, Annie File, Skip Dyes, Mike Grice, Roseann Marchetti, Robert Benjamin and Jeremiah Jones.

COMMISSIONERS ABSENT: None.

STAFF PRESENT: County Administrator Jeff Carmen, Finance Director Becky Moore and Clerk/Register Monica McMichael.

ORGANIZATIONAL BUSINESS

Clerk/Register McMichael opened the floor for nominations for Chair of the Board of Commissioners.

> Commissioner Benjamin nominated Commissioner Dyes and requested it be cast as a unanimous motion. No commissioner objected to the unanimous motion. Commissioner Dyes was elected to a one-year term as Chair by voice vote.

Chair Dyes opened the floor for the nomination of Vice Chair.

> Commissioner File nominated Commissioner Grice.

There were no additional nominations. Chair Dyes called for a voice vote. Commissioner Grice was elected to a one-year term as Vice Chair by roll call vote.

PUBLIC COMMENT (Agenda Items Only)

None.

APPROVAL OF THE AGENDA

Vice Chair Grice moved, seconded by Commissioner Jones, to approve the January 7, 2021 Cass County Board of Commissioner's Agenda. Motion carried by voice vote.

PRESENTATIONS

Michigan State University Extension District 13 Director Julie Pioch offered the 2020 Annual Report.

CONSENT AGENDA

Vice Chair Grice moved, seconded by Commissioner Marchetti, that the following items be voted on at one time by roll call vote and be considered as a consent agenda by the Board of Commissioners:

(M-1-21) A motion to approve Claims dated December 23, 2020.

(M-2-21) A motion to approve the December 11, 2020 Board of Commissioners Special Meeting Minutes and the December 17, 2020 Regular Meeting Minutes

The Chair instructed the Clerk to call roll:

Yes (7): Commissioners File, Dyes, Marchetti, Benjamin, Grice, Jones and Laylin.

No (0): None.

The Consent Agenda carried by roll call vote.

COMMITTEE REPORTS

Commissioners Marchetti and Benjamin shared committee reports.

APPOINTMENTS COMMITTEE

Commissioner Marchetti asked commissioners to contact her with their interest in committee assignments. She also informed the board that the Appointments Committee would meet soon as there were several committee openings. Discussion followed regarding adding the motions for board and committee appointments to the consent agenda. Chair Dyes stated they would consider it.

ADMINISTRATOR'S REPORT

Administrator Carmen presented the Administrator's Report.

SHERIFF BEHNKE'S PUBLIC SAFETY UPDATE

Sheriff Behnke provided a Public Safety Update.

COUNTY PARTNERS

None.

ELECTED OFFICIALS UPDATE

Prosecutor Fitz provided an update from the Prosecutor's Office.

UNFINISHED BUSINESS

None.

NEW BUSINESS

M-3-21

Chair Dyes moved, seconded by Commissioner Benjamin, to reappoint Bill Saunders to the Building Authority for a three-year term expiring December 31, 2023. Motion carried by voice vote.

M-4-21

Commissioner Laylin moved, seconded by Commissioner Benjamin, to reappoint Nancy Stoner to the Cass District Library Board for a four-year term expiring on December 31, 2024. Motion carried by voice vote.

M-5-21

Commissioner Jones stated that Motion M-5-21 was withdrawn.

M-6-21

Commissioner Marchetti moved, seconded by Vice Chair Grice, to reappoint Marty Kleva to the Cass County Road Commission for a six-year term ending December 31, 2026. Discussion followed. Motion carried by voice vote.

M-7-21

Commissioner File moved, seconded by Commissioner Marchetti, to reappoint Lance Lyons to the Kinexus Board for a three-year term ending December 31, 2023. Motion carried by voice vote.

M-8-21

Vice Chair Grice moved, seconded by Commissioner Laylin, to reappoint Dan Wyant to the Kinexus Board for a three-year term ending December 31, 2023. Motion carried by voice vote.

M-9-21

Chair Dyes moved, seconded by Commissioner Jones, to approve FY2020 budget adjustments. Discussion followed. Motion carried by voice vote.

Discussion – Additional Committees: Commissioner Marchetti discussed the committees suggested in the FY 2021 budget narrative from Administration. She asked commissioners to look over the list and notify Chair Dyes of their interest. Discussion followed.

PUBLIC COMMENT

None.

CLOSED SESSION

None.

BOARD MEMBER COMMENTS OR ANNOUNCEMENTS

Commissioners Grice, Dyes and File offered comments.

ADJOURNMENT

Commissioner Benjamin moved, seconded by Commissioner Jones, to adjourn. Motion carried by voice vote.

The meeting adjourned at 7:38 p.m.

Approved: _____
Date

_____
Chairperson

_____
Monica McMichael, Clerk/Register

CASS COUNTY
FINANCE DIRECTOR

TO: CASS COUNTY BOARD OF COMMISSIONERS
FROM: BECKY MOORE, CPA / FINANCE
DATE: DECEMBER 31, 2020
RE: FINANCE REPORT

GENERAL FUND BUDGET TO ACTUAL SUMMARY REPORT

Attached you will find the General Fund Budget to Actual Summary Report. The report reflects the fiscal year budget & year-to-date activity total from October 1, 2020 through December 31, 2020, (FYE 9/30/21).

OTHER FINANCIAL ACTIVITY

Nothing specific to mention this month.

Department Budgets:

Grant revenue shows a balance as of December 31, 2020 of -$77,328. The reason for this is that some grant revenue for FY 2020 remains uncollected, however the reversal in FY 2021 has been booked. While I thought we would have received all grant revenue reversed, several large items are still outstanding including District Court Adult Drug Court approx. $38,000, MDEQ SAW Grant approx. $53,000, and Victim Rights Grant approx. $27,000.

Administration – Spending appears high as a result of $174,284 in spending on COVID-19 UV sanitation equipment and other items. However, these will be reimbursed by grant funds.

Elections – Expected to be running higher than average for the year-to-date due to the November Presidential election.

Purchasing – A $12,000 prepay of postage was made in November that will last several months.

Survey & Remonumentation Grant – Most of the year's expenditures have been paid at this time.

MSU Extension – 50% of the annual fees have been paid to MSU at this time.

Drain Commissioner – includes the final $40,000 payment of expenses for the SAW grant that will be reimbursed at 70%. No budget was established for this during budget meetings as the three-year grant was being reconciled at that time.

Health – 100% of annual allocation is paid in October to VanBuren Cass District Health Department.

OTHER

Auditors were on site the week of January 4 for the annual County financial audit. At this time we expect no delays from our component units and would expect to present the audit at the first meeting in March.

GENERAL FUND REVENUE BUDGET TO ACTUAL SUMMARY
AS OF 12/31/2020 (25% of Fiscal Year 2020-2021) pending audit

	ACTUAL @ 12/31/19	2020-2021 ORIGINAL	2020-2021 AMENDED	ACTIVITY FOR DECEMBER 2020	ACTUAL @ 12/31/20	AVAILABLE BALANCE	% BDGT USED
REVENUE SOURCES LESS GRANT/REIMBURSEMENTS:							
FEES/SERVICES/PERMITS	338,754	1,887,170	1,896,510	156,883	376,041	1,520,469	20%
INTEREST & RENTS	53,036	84,000	94,437	7,693	18,875	75,562	20%
STATE FUNDING	476,777	1,306,728	1,306,728	309,999	466,250	840,478	36%
TRANSFERS IN	204,157	378,500	378,500	0	137,250	241,250	36%
TAXES	230,088	11,036,730	11,036,730	(3,597,857)	112,641	10,924,089	1%
SUB TOTAL	1,302,811	14,693,128	14,712,905	(3,123,282)	1,111,056	13,601,848	8%
GRANT/REIMBURSEMENTS:							
GRANTS	(40,022)	2,154,429	2,334,686	270,892	(77,328)	2,412,014	-3%
LOCAL CONTRIBUTIONS	2,106	51,739	51,739	4,312	4,312	47,427	8%
REIMBURSEMENTS/OTHER REVENUE	18,148	253,050	253,050	11,750	16,295	236,755	6%
FUND BALANCE ALLOCATION	0	584,973	765,488	0	0	765,488	0%
SUB TOTAL	(19,768)	3,044,191	3,404,963	286,954	(56,722)	3,461,685	-2%
TOTAL REVENUES	1,283,043	17,737,319	18,117,868	(2,836,328)	1,054,335	17,063,533	6%
TOTAL EXPENSES *(See Detail Below)*	4,246,653	17,737,319	18,117,868	1,739,093	4,574,399	13,543,469	25%

GENERAL FUND EXPENSE BUDGET TO ACTUAL SUMMARY
AS OF 12/31/2020 (25% of Fiscal Year 2020-2021) pending audit

	ACTUAL @ 12/31/19	2020-2021 ORIGINAL	2020-2021 AMENDED	ACTIVITY FOR DECEMBER 2020	ACTUAL @ 12/21/20	AVAILABLE BALANCE	% BDGT USED
101-BOARD OF COMMISSIONERS	36,455	170,163	170,863	18,116	33,337	137,526	20%
131-CIRCUIT COURT	76,174	274,082	274,844	27,556	66,257	208,587	24%
136-DISTRICT COURT	193,483	858,560	858,792	88,904	220,137	638,655	26%
141-FOC	305,015	1,126,334	1,124,711	106,601	299,398	825,313	27%
148-PROBATE COURT	98,237	449,960	450,271	44,328	112,391	337,880	25%
149-FAMILY/JUVENILE COURT	207,596	711,040	711,277	79,404	195,189	516,088	27%
172-ADMINISTRATION	51,272	270,240	431,058	40,218	232,972	198,086	54%
191-ELECTIONS	3,315	49,392	49,392	17,664	17,680	31,712	36%
210-CIVIL COUNSEL	14,529	50,000	50,000	1,605	11,138	38,863	22%
219-CLERK-REGISTER	124,376	505,660	507,756	61,854	144,836	362,920	29%
223-CONTROLLER	29,040	258,890	259,289	15,802	57,551	201,738	22%
225-EQUALIZATION	53,729	247,853	248,476	20,973	50,575	197,901	20%
229-PROSECUTING ATTORNEY	179,923	817,682	820,333	86,522	212,929	607,404	26%
230-GIS	0	120,000	120,000	15,000	37,186	82,814	31%
231-VICTIM RIGHTS GRANT	23,720	100,676	101,077	9,751	24,449	76,628	24%
233-PURCHASING	65,112	160,000	163,400	6,358	50,994	112,406	31%
234-VICTIM IMPACT PANEL	0	450	450	0	0	450	0%
245-SURVEY & REMONUMENTATION GRANT	44,380	40,000	40,000	43,837	43,837	(3,837)	110%
253-TREASURER	102,029	327,746	328,346	38,771	84,175	244,171	26%
257-MSU EXTENSION	27,600	115,419	115,089	43,540	47,668	67,421	41%
258-INFORMATION SYSTEMS	134,275	874,586	877,376	65,226	148,793	728,583	17%
265-MAINTENANCE	175,018	957,250	957,309	93,371	167,779	789,530	18%
266-LAW & COURTS SECURITY	33,052	147,680	147,680	7,229	18,303	129,377	12%
275-DRAIN COMMISSIONER	28,694	113,957	122,081	56,419	78,604	43,477	64%
280-SOIL CONSERVATION	5,000	5,000	5,000	0	0	5,000	0%
282 - COURT GRANT PROGRAMS	93,696	509,485	689,922	33,383	81,844	608,078	12%
288-HOUSEHOLD HAZ WASTE COLLECTION	0	8,000	8,000	0	0	8,000	0%
289-SW MI SOLID WASTE CONSORTIUM	0	500	500	0	0	500	0%
301-OFFICE OF SHERIFF	530,245	2,506,021	2,507,357	254,745	607,878	1,899,479	24%
303-MILTON TOWNSHIP PATROL	3,574	9,079	9,079	0	0	9,079	0%
304-SECONDARY ROAD PATROL GRANT	22,051	94,253	94,471	9,117	22,863	71,608	24%
306-HOWARD TOWNSHIP POLICE	20,353	95,827	95,827	10,789	23,992	71,835	25%
313-SHERIFF SMC SECURITY PROGRAM	5,939	22,204	22,204	318	4,771	17,433	21%

	ACTUAL @ 12/31/19	2020-2021 ORIGINAL	2020-2021 AMENDED	ACTIVITY FOR DECEMBER 2020	ACTUAL @ 12/21/20	AVAILABLE BALANCE	% BDGT USED
324-SENIOR SAFETY PROGRAM	6,330	29,739	29,739	3,219	7,484	22,255	25%
331-MARINE SAFETY PROGRAM	0	20,580	20,580	0	2,617	17,963	13%
332-SNOWMOBILE ENF GRANT	0	1,180	1,180	0	0	1,180	0%
334-MARINE LAKE ASSOC PATROL	72	3,500	3,500	0	0	3,500	0%
335-BULLET PROOF VEST GRANT	0	4,500	8,640	0	0	8,640	0%
340-MED MARIHUANA OP GRANT	0	0	0	19,521	0	0	0%
351-JAIL OPERATION	597,652	2,841,673	2,841,673	286,823	695,448	2,146,225	24%
400-PLANNING COMMISSION	237	970	970	0	0	970	0%
401-SW MI PLANNING COMM	0	16,981	16,981	0	0	16,981	0%
426-EMERGENCY MGT/HOMELAND SECURIT	20,198	86,565	86,449	9,138	21,684	64,765	25%
430-ANIMAL CONTROL	85,017	347,986	347,733	34,469	85,362	262,371	25%
441-PUBLIC WORKS	121	430	430	0	0	430	0%
602-HEALTH	261,032	271,253	271,253	0	266,253	5,000	98%
631-SUBSTANCE ABUSE	15,814	68,978	68,978	0	0	68,978	0%
648-MEDICAL EXAMINER	22,138	70,000	71,882	11,939	22,199	49,683	31%
673-MENTAL HEALTH	0	114,000	114,000	0	0	114,000	0%
681-VETERANS BURIALS	1,695	12,900	12,900	300	1,295	11,605	10%
682-VETERANS AFFAIRS	12,105	117,752	117,752	6,666	16,783	100,969	14%
851-INSURANCE/OTHER COSTS	190,075	466,900	471,905	69,615	134,226	337,679	28%
965-TRANSFERS OUT	346,286	1,263,443	1,269,093	0	223,523	1,045,570	18%
TOTAL EXPENDITURES	4,246,653	17,737,319	18,117,868	1,739,093	4,574,399	13,543,469	25%

FUND BALANCE ALLOCATION ANALYSIS

UNASSIGNED FUND BALANCE 9/30/15	5,126,404	*PER 9/30/15 Comprehensive Financial Report*
UNASSIGNED FUND BALANCE 9/30/16	5,449,774	*PER 9/30/16 Comprehensive Financial Report*
UNASSIGNED FUND BALANCE 9/30/17	6,011,346	*PER 9/30/17 Comprehensive Financial Report*
UNASSIGNED FUND BALANCE 9/30/18	5,779,269	*PER 9/30/18 Comprehensive Financial Report*
UNASSIGNED FUND BALANCE 9/30/19	6,073,472	*PER 9/30/19 Comprehensive Financial Report*
UNASSIGNED FUND BALANCE 9/30/20	5,621,863	***Pre-audit - estimated***
ADOPTED FUND BALANCE ALLOCATION	584,973	*Original 2020-2021 Budget as adopted*
	5,650	*Adjustment to MIDC State approved budget*
	174,865	*M-186-20 BOC 1st Q Budget Adjustments*
	765,488	
EST. UNASSIGNED FUND BALANCE 9/30/21	4,856,375	*This figure is an ESTIMATE only. The final 9/30/20 year-end adtual revenues & expenses will determine further changes in the fund balance.*

R-182-20

BOARD OF COMMISSIONERS
COUNTY OF CASS, MICHIGAN

WHEREAS, Cass County is responsible for Medical Examiner services; and

WHEREAS, Western Michigan University Homer Stryker Medical School (WMED) provides these services to 12 Counties in Michigan; and

WHEREAS, WMED currently provides Forensic Pathology Services to Cass County; and

WHEREAS, WMED employees are insured for Workman's Compensation and other Liability exposures; and

WHEREAS, WMED provides a scope of services that is much broader than the County's current provider; and

WHEREAS, The Sheriff Conducted a thorough and fair analysis and review; and

WHEREAS, The County Administrator and Sheriff both recommend the County enter into an agreement with WMED**.**

NOW THEREFORE BE IT RESOLVED that the Cass County Board of Commissioners approves entering into an Agreement commencing on February 1, 2021 with WMED in the amount of $58,646.00 subject to Annual Review.

ADOPTED THIS 21st DAY OF January, 2021

ATTEST:

_____ _____

Monica McMichael, Clerk/Register

Dwight Dyes, Chairperson
Cass County Board of Commissioners

CASS COUNTY OFFICE OF SHERIFF

321 M-62 North, Cassopolis, MI 49031 ♦ www.ccso.info ♦ Administration: (269) 445-8644 ♦ Dispatch (269) 445-1560

RICHARD J. BEHNKE, Sheriff

CLINTON D. ROACH, Undersheriff

TO: Jeff Carmen, County Administrator
FROM: Sheriff Richard J. Behnke
DATE: December 9, 2020
RE: Medical Examiner Services

Cass County is responsible for Medical Examiner services. Currently the County contracts with Dr. Larry Wile, of Vicksburg, for Medical Examiner services. He appoints Medical Examiner Investigators that are contract employees and the Sheriff's Office coordinates their activity and pays them on a call basis. The Sheriff's Office also processes and maintains paperwork for the Medical Examiner at no cost to the County.

During FY 2020 it was discovered that Medical Examiner Investigators were not being covered for workman's comp or other liability and their $75 per call was not enough to cover their expenses. The fact that they are contracted and not employees of the County, makes it impossible for the County to cover their expenses for this coverage. This started the process to see what options are best for Medical Examiner services.

During the process, it was discovered that Western Michigan University Homer Stryker Medical School, (WMED) provides Medical Examiner services for twelve counties in Michigan. They also provide Forensic Pathology services for Cass County and several counties in Michigan and Indiana. Discussion were also made with Dr. Larry Wile about how we cannot continue to do business the way we have been since 2014 for Medical Examiner services.

Proposals for services were presented by both Dr. Larry Wile and WMED and they have been included with this memo. Western Michigan University is proposing to handle all services required of the Medical Examiner, including Annual Reports, Management of Medical Examiner Investigators, and cremation certificates. Dr Wile has presented a proposal that continues the current program while he would pay for liability and workman's compensation insurance for Medical Examiner Investigators.

One of the other issues facing the Cass County program is the response of Medical Examiner Investigators currently being utilized. They are not on an on-call basis but respond "when available", while we have six Medical Examiner Investigators,

many times it is difficult to find someone available. WMED had proven they can manage the investigators and get responses in a timely manner. I have spoken to Sheriff's from three counties in Southwest Michigan and they report good service from WMED.

WMED	$58,646
Dr Larry Wile	$42,350

WMED proposal includes all services of the Medical Examiners Office and Dr. Wile still requires coordination through the Sheriff. The coordination of Medical Examiner Investigators in the present format has proven not to be effective. The annual reports that WMED provides would be a great tool in analyzing issues for many including the Health Department, mental health services and many others.

Cass County would still be responsible for transportation expenses and autopsy/examination costs in both proposals.

Thanking you in advance for your attention to this matter. This is a decision that I would like to have in place and ready to move forward by January 1, 2021. If you have any questions, please do not hesitate to contact me.

PROPOSAL TO PROVIDE MEDICAL EXAMINER SERVICES TO CASS COUNTY, MICHIGAN

November 23, 2020

OVERVIEW

1. Project Background and Description

According to the Michigan legislature, the board of commissioners for each county appoints the county medical examiner to hold office for a period of four years. The medical examiner must be a licensed physician. The medical examiner has one primary responsibility, which is to investigate the deaths of persons in which there is reason to suspect foul play or in which the cause of death is not readily apparent, such as a person who has died unexpectedly, violently, or as a result of any suspicious circumstances. The medical examiner must also investigate all deaths of county prisoners and any woman who has died from an abortion. The examiner directs as to whether an autopsy is necessary to determine the cause of death. The medical examiner is also required to testify for the state if legal proceedings on these persons require it. The medical examiner is responsible for the proper preparation of death certificates and to assist other local physicians to ensure proper death certification. The medical examiner may become involved with a case following a referral from a number of individuals and agencies including police agencies, hospital personnel, emergency medical personnel, a decedent's physician, a funeral director or by the local or state registrar. The medical examiner also provides information and communication with the decedent's family when requested. In Cass County as in other counties, a group of medical investigators works directly with the medical examiner in order to obtain the proper information to complete death certificates and related reports. The medical examiner and medical investigators currently work as independent contractors of Cass County. Larry Wile, MD, MPH has been the medical examiner for Cass County for over six years. The current medical investigators have significant experience and history of service to Cass County as well.

2. Project Scope

Larry Wile, MD, MPH will continue to provide the medical examiner services as described above. The next period of service is from October 1, 2020 to September 30, 2024. The medical investigator services will continue to be provided by selected local investigators under the direct supervision of Larry Wile, MD, MPH. In addition, the investigators will become the employees of a corporation under the sole ownership of Larry Wile, MD, MPH. This will allow the investigators to have state and federal tax withholdings as well as workers' compensation insurance coverage.

3. Qualifications

In addition to possessing the necessary skills and qualifications, I believe that I have demonstrated the relationship building skills in order to effectively represent the county as their medical examiner. Working as the medical director for the health department has given me the opportunity to work directly and indirectly with the medical community in Cass County. I have built relationships with the sheriff, administrative staff and deputies while serving as the medical directory for our county jail. I am on a first name basis with our local funeral directors and their staff as I have been assisting them with death certificates and burial transit forms for the past six years. I feel my thirty years' experience in family practice also prepares me to understand the family dynamics that comes with losing a loved one either unexpectedly or through a long drawn out medical battle. The relationships and experiences help

me to represent the county in not only a professional manner but also a more personal way. I have enjoyed working as your medical examiner and hope to continue to serve the community in that capacity.

4. Fees

Medical examiner services will be provided at the current annual compensation rate of $30,000, with no rate increases for the next four years. I will provide medical liability insurance for this position. I will also work with Sheriff Benke in order to compensate the medical investigators for their work and provide the investigators with workers' compensation insurance.



Western Michigan University Homer Stryker M.D. School of Medicine – Department of Pathology

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Key Personnel

We have a wonderful and spacious facility with many high-tech pieces of equipment. The building and the equipment are only valuable if there are highly trained and experienced professionals to respond to scenes for investigations, perform the forensic examinations, and provide answers to families, public health, law enforcement, the legal community, and other interested parties. Brief descriptions of education and experience of many of the key personnel are included.

Joyce L. deJong, DO

Joyce L. deJong, DO, became the founding chair of the Department of Pathology of Western Michigan University Homer Stryker M.D. School of Medicine (WMed) in 2014. Dr. deJong received her Bachelor of Science degree from Grand Valley State University and her Doctor of Osteopathy degree from Michigan State University. Dr. deJong completed her anatomic pathology residency through Michigan State University's program in Grand Rapids, Michigan, and a fellowship in forensic pathology at Emory University in Atlanta, Georgia. Dr. deJong returned to Michigan in 1999 to serve as the Medical Director of the Forensic Pathology Division of Sparrow Hospital in Lansing, Michigan. In this position, she served as the Medical Examiner/Deputy Medical Examiner for multiple counties in Michigan, overseeing a robust medical examiner and forensic pathology consultation service. Dr. deJong is board-certified in Anatomic and Forensic Pathology.

Dr. deJong has extensive experience as a Medical Examiner, currently serving in this role for 12 counties in Michigan. She serves on the federal mass fatality team and has deployed to mass disaster/fatality events over a dozen times during her career. She currently is the Chair of the Medical Examiner Working group, a team of multiple individuals focused on improving the Medical Examiner and Death Investigation process in Michigan. She has served as the President of the Michigan Association of Medical Examiners for multiple terms and is a fellow in the National Association of Medical Examiners and the American Academy of Forensic Sciences.

Joseph A. Prahlow, MD

Joseph Prahlow, MD, is a forensic pathologist, the Department vice-chair and a Deputy Medical Examiner with the Department of Pathology at Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan. He is also Vice Chair of the Department of Pathology. He is a 1986 graduate of Valparaiso University in Valparaiso, Indiana. He earned his medical degree in 1990 from Indiana University School of Medicine in Indianapolis, Indiana. He completed a residency in anatomic and clinical pathology with Bowman Gray School of Medicine of Wake Forest University in Winston-Salem, North Carolina, then completed a fellowship in forensic pathology with University of Texas - Southwestern Medical Center in Dallas, Texas. Dr. Prahlow is board certified in anatomic, clinical, and forensic pathology.

Theodore Brown, MD

Theodore Brown, MD, is a forensic pathologist, deputy medical examiner, and the medical director of clinical services for the Pathology Department. He completed his undergraduate education at the University of Notre Dame and medical school at Indiana University School of Medicine. He completed his anatomic and clinical pathology residency at the University of Michigan and his

forensic pathology fellowship at the Miami-Dade County Medical Examiner Office. From 2016-2017, he was an assistant professor of pathology at the University of Michigan. He is currently an assistant professor of pathology at Western Michigan University Homer Stryker M.D. School of Medicine. Dr. Brown is board certified in anatomic, clinical, and forensic pathology.

Jered B. Cornelison, PhD

Jered Cornelison, PhD, is a forensic anthropologist with Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan. He is a graduate of Idaho State University in Pocatello, Idaho, which is also where he earned one of two master's degrees in anthropology in 1998. He completed his doctorate in anthropology at Michigan State University in 2013. Dr. Cornelison serves as forensic anthropologist for Michigan County Medical Examiner Offices. In that role and as an assistant professor in the Department of Pathology, he directs human identification for unidentified individuals, assists with challenging scene recoveries, and conducts skeletal evaluations.

Elizabeth A. Douglas, MD

Elizabeth Douglas, MD, is a board-certified pathologist with Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan. She is a graduate of Western Michigan University, also in Kalamazoo. She earned her medical degree in 2006 from Michigan State University College of Human Medicine in East Lansing, Michigan. She completed a residency in anatomic and clinical pathology with Cleveland Clinic Foundation in Cleveland, Ohio, then went on to complete a fellowship in forensic anthropology with Cuyahoga County Coroner's Office in Cleveland, Ohio. Dr. Douglas is board certified in anatomic, clinical, and forensic pathology.

Amanda Fisher-Hubbard, MD

Amanda Fisher-Hubbard, MD, is a board-certified forensic pathologist and neuropathologist and a Deputy Medical Examiner at Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan. She is a graduate of University of Toledo in Toledo, Ohio. She earned her medical degree in 2009 from Northwestern University Feinberg School of Medicine in Chicago, Illinois. She completed her residency in anatomic and clinical pathology, as well as fellowships in forensic pathology and neuropathology, with University of Michigan Medical School in Ann Arbor, Michigan. Dr. Fisher-Hubbard is board certified in anatomic, clinical, neuropathology, and forensic pathology.

Prentiss Jones, PhD

Prentiss Jones, PhD, is a toxicologist with Western Michigan University Homer Stryker M.D. School of Medicine. He is a 1988 graduate of Northern Illinois University in DeKalb, Illinois. He earned a master's degree in biological sciences from Purdue University in Hammond, Indiana, and a PhD in 2006 from Western Michigan University in Kalamazoo, Michigan. Dr. Jones is a fellow of the American Board of Forensic Toxicology. In his role as a toxicologist, he has assists medical examiners and forensic pathologists with forensic cases involving drug-related deaths, provides courtroom testimony as a forensic toxicology expert, and assists in the investigation of sudden, unexpected deaths.

Christine M. Pink, PhD

Christine Pink, PhD, D-ABFA, is a forensic anthropologist with the Department of Pathology at Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan.

She received her undergraduate degree in 2001 from Michigan State University, East Lansing, Michigan, and PhD in 2013 at the University of Tennessee-Knoxville, Knoxville, Tennessee. Prior to WMed, Dr. Pink held a position as a forensic anthropologist at the Defense POW/MIA Accounting Agency before teaching biological anthropology a Metropolitan State University of Denver. Her teaching and research interests include cranial nonmetric traits and bone biogeochemistry. Dr. Pink is board certified in forensic anthropology.

Brandy Shattuck, MD

Brandy Shattuck, MD, is a board-certified anatomic and forensic pathologist and Deputy Medical Examiner with Western Michigan University Homer Stryker M.D. School of Medicine in Kalamazoo, Michigan. She is a 2002 graduate of the University of Michigan in Ann Arbor, Michigan. She earned her medical degree from Albany Medical College in Albany, New York in 2007. She completed a residency in anatomic and clinical pathology with University of Texas Health Science Center at Houston in Houston, Texas, then went on to complete a fellowship in forensic pathology with Harris County Institute of Forensic Sciences, also in Houston.

Jo Catania, MPA, Chief Investigator

Ms. Joanne Catania serves as our Chief Medical Examiner Investigator. She is assisted by two Deputy Chief Investigators and they oversee the investigations in all our counties, provides training, and evaluates the performance of approximately 80 medical examiner investigators. Ms. Catania has nine years of death investigation experience within the Office of the Medical Examiner and is well versed with Michigan state laws that govern the Office of the Medical Examiner and national standards that provide for best practices. Ms. Catania has trained hundreds of medical examiner investigators throughout the state of Michigan and has presented to fire departments, police agencies, and several police academies. Most recently, she participated in the production of a child death investigation training video that will be distributed nationwide. Ms. Catania is a Diplomat with the American Board of Medicolegal Death Investigators, and an Affiliate President of the Michigan Association of Medical Examiners. Ms. Catania is a former Police Officer with 15 years of law enforcement experience, which includes 6 years as a crime scene technician. She is a two-time graduate of Grand Valley State University (GVSU) and has a master's degree in Public Administration. She currently is an Adjunct Professor for GVSU's Police Academy.

Abigail Grande, MPH

Abigail Grande received a Bachelor of Science in Human Biology from the College of Natural Science at Michigan State University in 2012, with a minor in Spanish. She then received a Master in Public Health from Michigan State University in 2016. Abigail joined our team in 2015 as an Investigative Assistant and was subsequently moved into a more public health-forward role in early 2017 as the Quality and Accreditation Analyst, which is the position she currently holds within our department. Before her arrival to WMed, Abigail was an Anatomic Pathology Technician at the Medical Examiner's Office located within Sparrow Hospital in Lansing, Michigan. She began there in 2009 as a volunteer while she was an undergraduate student at Michigan State University and was hired onto the team in 2010, where she remained until her move to WMed in 2015. Abigail has spent time in nearly all positions within our department and is effectively trained as an autopsy assistant, a neuropathology assistant, investigative assistant and now, our database manager and public health surveillance expert. She has taken part in multiple mass fatality trainings and death investigation trainings. Abigail maintains our office's accreditation with the National Association of Medical

Examiners and guides our team on best practices, while assisting in the analysis of data derived from our web-based database. Throughout the pandemic, Abigail has coordinated all aspects of SARS-CoV-2 testing and reporting. Abigail represents our team at multiple death review teams throughout the counties that we serve and she plays a key role in ensuring the quality of work that we produce is top notch.

Value Added Services

Unclaimed Decedent Process and Temporary Storage

- Every year, there are decedents who are not claimed. Sometimes, with effort, next-of-kin are located, and the decedent is claimed. We do not charge anything to the county for this storage. The entire process to ascertain they are unclaimed, file the correct documentation with the State of Michigan, identify a funeral home to handle the remains of the decedent, and do so all within the time constraints placed on the process, can be complicated. Our investigative team is highly skilled at this procedure and manage this efficiently.

Participation with Screening and Data Sharing

- Our department provides de-identified data from our counties to the state health department on important topics such as which opioids and other new drugs are being found in drug-related fatalities, on our findings in COVID-19 related deaths, and much more. We have significant information about suicides, child death, drug-related fatalities, and so much more. This allows decision makers to have a clear understanding of what is causing deaths not only in Michigan, but in which specific counties.

Education

- Education is a very high priority in our institution and department. We do not limit our education to future physicians but use the resources of the medical school in other ways such as training medicolegal death investigators. Much of the training is focused on our employed MEIs, but we also offer training courses to other MEIs in the state and to law enforcement.
- We are one of only two programs in Michigan who are authorized to train future forensic pathologists. We have a fully accredited forensic pathology fellowship and will be adding one new forensic pathologist to the workforce each year. There is an extreme shortage of forensic pathologists in the country, and we are working to do our part to improve this situation for the future.

Electronic Death Certificates – IMPROVEMENTS coming

- The State of Michigan moved to electronic death certificates some years ago. The process improved things somewhat but left much to be desired. Our department has been piloting a significantly improved process that will result in a much more rapid death certification process with significantly less work for the funeral directors. This is a process that should eventually be available for most medical examiners in Michigan, but this is an example of our departments constant ongoing efforts to improve our level of service.

Key Differentiators

What distinguishes us from others?

Our People

Our department is comprised of forensic pathologists, a forensic neuropathologist, forensic anthropologists, a forensic toxicologist, department managers, neuropathology assistants, administrative assistants, autopsy assistants, in-house investigators, public health professionals, scene investigators, toxicology laboratory professionals, and histology technologists. In addition, we are supported by a team of professionals in human resources, accounting, and our administration. **Our people and their commitment to this important work are what truly differentiates us from others.**

Medical Examiner Investigators

WMed employs Medical Examiner Investigators from within counties to respond to scenes for death investigations. Our Chief and Deputy Chief Investigators provide training to these professionals who are our representatives on scene. The expectation is that they respond to the scene within 75 minutes of being notified of the death, and sooner when at all possible). The investigators are employed by WMed, not as independent contractors. They are compensated for being on call with additional payment for each investigation and reimbursement for mileage.

Autopsy Report Turn-Around-Times

One of the most common requests by those we serve is a more rapid turn-around-time for autopsy reports. The national standard is that 90% of reports be completed within 90 days. We are committed to exceeding the National Association of Medical Examiner accreditation and autopsy standards in many ways. In late August of 2017, we implemented a policy to establish a turn-around-time in less than 30 calendar days. **Our average autopsy turn-around-time for 2019 was 28.8 days!** This truly does distinguish us from many others and is extremely important to families waiting for answers and often for insurance. This matters to the legal community who need answers for legal proceedings.

Mass fatality preparedness

Dr. deJong is a member of the federal mass fatality response team with experience at multiple mass fatality events including hurricanes, earthquakes, aircraft crashes, and wildfires. These experiences allow better preparation for mass fatality events in our counties. The anthropologists also have special expertise in mass fatality preparedness and are active with the regional and state teams.

Location

The close location allows for lower transport costs for the county. It also allows for easy access to the facility for law enforcement officials who often attend the autopsy.

State-of-the-art facility, centrally located in southwest Michigan

- Advanced X-ray capabilities.
- Ample storage space for decedents (>125 in two coolers and two large freezers) – especially important during times of pandemic and for mass fatalities.
- Special autopsy viewing space for law enforcement.

MEDICAL EXAMINER SERVICES AGREEMENT

THIS AGREEMENT is made and entered into effective [INSERT DATE], by and between the **COUNTY OF CASS, a** municipal corporation and political subdivision of the State of Michigan, INSERT ADDRESS (the "County"), and **WESTERN MICHIGAN UNIVERSITY HOMER STRYKER M.D. SCHOOL OF MEDICINE,** a Michigan nonprofit corporation ("WMed"), 1000 Oakland Drive, Kalamazoo, Michigan 49008-8052, referred to individually as "Party" and collectively, from time- to-time as "Parties".

Background

The Cass County Board of Commissioners has appointed Joyce deJong, DO (WMed's employee), as Medical Examiner pursuant to Section 1 of Act No. 181 of Public Acts of 1953, as amended (MCL 52.201 et seq), subject to the terms and conditions of this Agreement; and WMed has accepted such appointment on behalf of Dr. deJong, subject to the terms and conditions of this Agreement.

Terms and Conditions

NOW, THEREFORE, for and in consideration of the mutual covenants hereinafter contained, it is hereby agreed, by and between the parties as follows:

1. General Scope of Services. WMed, as the County's Medical Examiner, shall provide the County with the following services:

   A. All services required of the County Medical Examiner as described in and required by the laws of the State of Michigan, including the investigation and certifications of all persons whose deaths are within the jurisdiction of the County's Medical Examiner.

   B. The provision of all necessary forensic pathology and toxicology, (as well as other required consultants such as forensic anthropology, forensic entomology, etc.) as needed to investigate deaths reported using standards established by the National Association of Medical Examiners.

   C. Provide necessary communications and be available to respond to the inquiries of prosecuting attorneys, criminal defense attorneys, law enforcement agencies, funeral directors, health care institutions and their professional staffs, and involved citizens and families regarding death investigations and general procedures.

   D. Provide necessary information to and participate in death reviews.

   E. Make recommendations for appointments as needed, validate the qualifications, assure the special and continuing education, and direct the official activities of all persons (deputy medical examiners, forensic pathologists, medical examiner investigators, etc.) providing professional services to the County's Medical Examiner's Office. The County Board of Commissioners must approve all deputy medical examiners designated by WMed.

F. Conduct postmortem examinations of all bodies pursuant to the requirements of the laws of the State of Michigan for county medical examiners and according to professionally accepted criteria.

G. Be available for and provide testimony in criminal prosecutions to the Prosecuting Attorney of Cass County for postmortem examinations conducted under their jurisdictions, at no additional expense for time worked to the local governmental unit of the prosecuting attorney requesting such testimony.

2. Appointment of Medical Examiners. The County and WMed hereby appoint Joyce deJong, DO as the County's Medical Examiner; and Theodore Brown MD, Elizabeth Douglas MD, Amanda Fisher-Hubbard MD, Joseph Prahlow MD, and Brandy Shattuck MD, as the County's Deputy Medical Examiners, subject to the approval of the County's Board of Commissioners.

A. The Medical Examiner ("ME") is licensed to practice medicine in the State of Michigan, board certified by the American Board of Pathology in FORENSIC PATHOLOGY and has at least two years of forensic pathology work experience beyond forensic pathology residency/fellowship training.

B. The Deputy Medical Examiners ("DME") are licensed to practice medicine in the State of Michigan, board certified by the American Board of Pathology in FORENSIC PATHOLOGY (or, in the event a new DME is hired, will achieve board certification within 12 months of appointment as a DME). At least one DME with qualifications similar to those of the Chief Medical Examiner will always be available.

C. The DMEs are delegated all duties and authority of the ME.

3. Postmortem Examinations and Death Certifications.

A. The DME or ME will directly supervise and sign all postmortem examinations and death certifications.

B. A physician with the qualifications of a DME who is awaiting appointment as a DME or a physician-in-training who has completed a pathology residency and is a part of the fellowship training program at WMed may perform postmortem examinations under the supervision of the ME or DME. All postmortem examinations performed by the forensic pathology fellow will be signed by the ME or DME. Death certification and other official duties of the MEO may not be performed by the individual awaiting appointment until such appointment is granted.

C. The ME or DME will conduct postmortem examinations of all bodies pursuant to the requirements of the State of Michigan and according to professional standards established by the National Association of Medical Examiners.

4. Medical Examiner Investigators. WMed shall ensure that:

A. Enough Medical Examiner Investigators ("MEI"s) will be available to respond to death scenes in a timely manner (within 75 minutes of being contacted by Central Dispatch for at least 90% of the deaths reported).

B. The MEIs will conduct their investigations based on national guidelines as published by the National Institute of Justice, will conduct themselves m a professional manner and appear professional when at death scenes.

5. Autopsy Reports and Death Certificates. WMed shall ensure that:

A. 95% of postmortem examinations will be conducted within 24 hours of delivery of the decedent from the death scene or from any hospital treating the decedent to the WMed facility at 300 Portage Street, Kalamazoo, Michigan, with the possible exception of Sundays and holidays.

B. 95% of the final postmortem examination reports will be available within 90 calendar days from the date of autopsy. (The timing for reports of postmortem examinations is based on accreditation standards established by the National Association of Medical Examiners.)

6. Reporting Requirements.

A. WMed will create a report to be delivered to the Cass County Board of Commissioners no later than September 1 of each year. The report will include a summary of the number of deaths reported, the number of deaths investigated, the manner of deaths investigated, the number of postmortem examinations performed. WMed also shall prepare and submit such other reports as may be required by the laws of the State of Michigan and/or rules and regulations promulgated pursuant thereto.

B. The ME/DMEs must provide necessary communications and be available to respond to the inquiries of attorneys, law enforcement agencies, funeral directors, health care institutions, and involved citizens and families regarding death investigations and general procedures.

7. Case Records. WMed shall ensure that Medical Examiner case records originating during the term of this Agreement shall be maintained in its offices in professional acceptable content and format. Upon the completion or termination of this Agreement, all records pertaining to services provided hereunder in WMed's possession shall be turned over to the County; provided, however, that WMed shall have access to the records upon its written reasonable request.

8. Compensation. The County shall compensate WMed for services performed under this Agreement as follows:

A. Services for the period from [INSERT DATE] through [INSERT DATE], shall be

performed at a cost to the County as detailed in Attachment A. WMed shall invoice the County for the services on a monthly basis. The invoices shall be sent to: **Cass County, INSERT ADDRESS.** Payments shall be made by County to WMed within 30 days from date of invoice. and should be sent to the following address:

Western Michigan University Homer Stryker M.D. School of Medicine
Attn: Accounting Department
P.O. Box 50391
Kalamazoo, MI 49005-0391

B. All transports from the hospital or place of death to WMed's facilities will be provided by a transportation service of the County's choice. The transporter will meet all transport standards as defined by the National Association of Medical Examiners and is required to arrive on site within 1 hour of being called, 95% of the time.

C. Additional Compensation:

i. Routine consultations and testimony with the County Prosecutor or defense attorneys are included in the fee structure. Non-routine court testimony and projects for the County will be billed separately to the County at $200/hour for a DME or ME and $75/hour for an MEI. Non-routine testimony will occur after 8 hours.

ii. Testimony, depositions, and consultations for civil (non-County) litigation will be billed to the engaging litigator, attorney at WMed's standard hourly rate for faculty (currently, $325/assistant professor, $450/associate professor and $550/full professor).

D. WMed shall be entitled to interest of 1% per month for any payments not received from the County within 30 days after the invoice date, and to the cost of its collection (including attorneys' fees), and the County agrees to pay such interest and costs.

E. Use of County Facilities: The County will allow at no charge:

1. Use of space at a central location in Cass County (or other Cass facility) for storage of body bags, tags, and personal protection equipment.

11. Other County facilities if the need arises, with approval of the County Administrator.

9. Independent Contractor. It is expressly understood and agreed that WMed is an independent contractor. WMed shall in no way be deemed as employees of the County. WMed's employees and agent and those of any subcontractors shall not be entitled to any fringe benefits which the County affords its employees, such as health and accident insurance, life insurance, paid vacation or sick leave or longevity. WMed shall be responsible for withholding and payment of all applicable taxes, including income and

Social Security taxes to the proper Federal, State and local governments, in connection with services rendered pursuant to this Agreement.

10. Professional Liability Insurance Coverage. WMed shall carry its own professional liability insurance for the administrative and professional activities being carried out pursuant to the terms of this Agreement and shall provide the County with a certificate showing proof of the same. The coverage limits of the liability insurance, at a minimum shall be $1,000,000 per occurrence, $3,000,000 aggregate.

11. Liability. As between the parties, the County assumes liability for all actions, lawsuits, claims, damages, judgments, costs, charges, and expenses that may result from any action, omission or default by the County or its employees. This provision does not affect the County's or its employees' entitlement to governmental immunity. As between the parties, WMed assumes liability for all actions, lawsuits, claims, damages, judgments, costs, charges and expenses that may result from any action, omission, or default by WMed or its employees.

12. Warranty Regarding Health Care Fraud. The County represents and warrants that as of the Effective Date hereof, the County:

A. Has not been listed by a federal agency as excluded, debarred, suspended or otherwise ineligible to participate in federal health care programs; and

B. Has not been convicted of any crime related to defrauding any health care benefit program.

C. The County further agrees to notify WMed, in writing, immediately if the County is listed by a federal agency as excluded, debarred, suspended or otherwise ineligible to participate in federal health care programs or if the County is convicted of any crime related to defrauding any health care benefit program.

13. Compliance with the Law. Both Parties, while engaging in any activity pursuant to this Agreement, shall comply with all applicable Federal, State and local laws, ordinances, rules and regulations.

14. Confidentiality.

A. The County acknowledges that any and all information related to (i) WMed's services hereunder, including individually identifiable health information as defined by the Administrative Simplification Provisions of the Health Insurance Portability and Accountability Act of 1996 ("HIPAA"); and (ii) the conduct by WMed of providing health care, is strictly confidential and constitutes the exclusive property of WMed, and that the use or disclosure of such matters, other than pursuant to the terms of this Agreement, shall be contrary to the best interests of WMed and shall cause harm and damage to WMed and its medical

school or medical practice. In furtherance and on account thereof, the County covenants and agrees (i) to comply with state and federal laws regarding confidentiality of individually identifiable health information, including HIPAA and (ii) comply with all of WMed's policies and procedures pertaining to use and disclosure of individually identifiable health information or proprietary business information.

B. The confidentiality restrictions set forth in subparagraph A of this paragraph shall not apply to information which: (i) generally becomes available to the public through no act of the County in breach of this Agreement; (ii) was in the possession of, or available to the County on a non-confidential basis prior to its disclosure; (iii) is independently developed by the County; or, (iv) involves the use of deidentified data for research approved by the Institutional Review Board for Research.

15. License Requirements. WMed and the ME and DMEs shall at all times while this Agreement remains in effect meet all Federal, State and local license and/or maintain any license and authorization requirements to practice medicine. Failure to obtain and/or loss of the same shall result in the immediate automatic termination of this Agreement. WMed will notify the County in writing immediately if WMed or the ME or DMEs fail to obtain or for any reason loses its federal, state or license necessary to this Agreement.

16. Nondiscrimination. WMed shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a), and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that affirmative action be taken to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

17. Waivers. No failure or delay on the part of either the County or WMed in exercising any right, power or privilege under this Agreement shall operate as a waiver thereof, nor shall a single or partial exercise of any right, power or privilege preclude any other or further exercise of any other right, power or privilege.

18. Amendment of the Agreement. All modifications, amendments, or waivers of any provision of this Agreement or the services to be performed hereunder shall be made only by the written mutual consent of the parties hereto.

19. Subcontracting or Assignments. Neither party shall subcontract or assign duties under this Agreement without prior written consent of the other party. The restrictions of this section do not apply to use of a toxicology or DNA laboratory selected by WMed, transporters selected by WMed, and consultants not available at WMed. The restrictions of this section shall not apply to the appropriate delegation of responsibilities to a deputy medical examiner appointed by the County.

20. Complete Agreement. This Agreement and the attached Attachment A contain all the terms and conditions agreed upon by the County and WMed. and no other agreement. oral or otherwise. regarding the subject matter of this Agreement or any part thereof shall have any validity or bind either the County or WMed.

21. Agreement Period and Termination. This Agreement shall become effective and performance thereon shall commence on [INSERT DATE] and shall continue through March 31, 2024. Notwithstanding any other provision in this Agreement to the contrary, this Agreement may be terminated by WMed upon sixty (60) days prior written notice to the County. The County may terminate this Agreement effective immediately after the Cass Board of Commissioners' removal of Joyce deJong, DO as required by MCL 52.2010 after a hearing, for failure to discharge properly the duties of Cass County Medical Examiner.

22. Notices. All notices, demands, and requests required or permitted to be given under the provisions of this Modification Agreement shall be in writing and shall be deemed given
(a) when personally delivered to the party to be given such notice or other communication,
(b) on the business day that such notice or other communication is sent by facsimile or similar electronic device, fully prepaid, which facsimile or similar electronic communication shall promptly be confirmed by written notice, (c) on the third business day following the date of deposit in the United States mail if such notice or other communication is sent by certified or registered mail with return receipt requested and postage thereon fully prepaid, or (d) on the business day following the day such notice or other communication is sent by reputable overnight courier, to the following, or to such other address as the parties may designate in writing:

To the County:	CountyAdministrator Cass County INSERT ADDRESS
To WMed:	Ms. Lori Straube Associate Dean for Administration and Finance Western Michigan University Homer Stryker M.D. School of Medicine 1000 Oakland Drive Kalamazoo, MI 49008-8010

23. Taxes. The County shall not be responsible for paying any taxes on WMed's behalf, and should the County be required to do so by State, Federal, or local taxing agencies, WMed agrees to reimburse the County promptly for full value of such paid taxes plus interest and penalty, if any. These taxes shall include FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and worker's compensation insurance.

24. Successors and Assigns. All representations, covenants, and warranties set forth in the Agreement by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

25. No Third-Party Beneficiary. No person dealing with the County or WMed shall be, nor shall any of them be deemed to be, third-party beneficiaries of this Agreement. This Agreement is not intended to, nor shall it be interpreted to create a special relationship between the County or WMed and any staff, visitors, residents, or other individuals who may have business through the County.

26. Applicable Law. The laws of the State of Michigan shall govern this Agreement.

27. Invalid Provisions. If any provision of this Agreement is rendered invalid, it shall be null and void and shall be considered to be deleted and the remainder of the Agreement shall not be affected thereby. Where the deletion of the invalid provision would result in the illegality and/or unenforceability of this Agreement, this Agreement shall be considered to have terminated as of the date in which the provision was rendered invalid.

28. Certification of Authority to Sign Agreement. The persons signing this Agreement on behalf of the parties hereto certify by their signatures that they are duly authorized to sign on behalf of said parties and that said parties have authorized this Agreement.

[Signatures appear on following page]

THE COUNTY:

County of Cass, Michigan

By: _____ Date: _____

Its: Board Chairman, Cass County Commissioners

WESTERN MICHIGAN UNIVERSITY
HOME STRYKER M.D. SCHOOL OF MEDICINE

By: _____ Date: _____

Lori Straube
Associate Dean for Administration and Finance

Attachment A

Service	2021	2022	2023	2024	2025
Administration Fee	$15,000	$15,300	$15,606	$15,918	$16,236
Medical Examiner Investigators	$41,560	$42,391	$43,239	$44,104	$44,986
MDILog	$2,086	$2,128	$2,170	$2,214	$2,258
Total without Autopsies	$58,646	$59,819	$61,015	$62,236	$63,480
Complete Autopsy	$2,601	$2,653	$2,706	$2,760	$2,815
Limited Autopsy	$650	$663	$677	$690	$704
External Examination	$650	$663	$677	$690	$704

These are the deaths we autopsy, from the National Association of Medical Examiners Autopsy Performance Standards:

The forensic pathologist shall perform a forensic autopsy when:

B3.1 the death is known or suspected to have been caused by apparent criminal violence.

B3.2 the death is unexpected and unexplained in an infant or child.

B3.3 the death is associated with police action.

B3.4 the death is apparently non-natural and in custody of a local, state, or federal institution.

B3.5 the death is due to acute workplace injury.*

B3.6 the death is caused by apparent electrocution.*

B3.7 the death is by apparent intoxication by alcohol, drugs, or poison, unless a significant interval has passed, and the medical findings and absence of trauma are well documented.

B3.8 the death is caused by unwitnessed or suspected drowning.*

B3.9 the body is unidentified, and the autopsy may aid in identification.

B3.10 the body is skeletonized.

B3.11 the body is charred.

B3.12 the forensic pathologist deems a forensic autopsy is necessary to determine cause or manner of death, or document injuries/disease, or collect evidence.

B3.13 the deceased is involved in a motor vehicle incident and an autopsy is necessary to document injuries and/or determine the cause of death.

* unless sufficient antemortem medical evaluation has adequately documented findings and issues of concern that would otherwise have required autopsy performance.

We routinely perform an external or limited examination in most suicides and in motor vehicle related deaths if the decedent is the at-fault driver.

Larry E. Wile, MD, MPH

12140 Highview Shores, Vicksburg MI 49097

(269) 268-6514

lwilejr@yahoo.com

Summary:

Larry Wile is a board certified physician with an extensive clinical background, specializing in family practice, public health and community service. Larry's practice covers the whole lifespan, from birth to geriatric age. Larry has been a partner with Portage Physicians for more than twenty years where he has held many leadership positions. He joined the Van Buren County Health Department in 2013 as Deputy Medical Director.

Mission:

To continue to serve the community by providing compassionate, quality health services and to help cultivate a positive team approach in meeting the needs of others.

Employment History:

Portage Physicians (large, independent practice of over 70 providers): 1991-present. Senior partner with leadership positions on the strategic planning committee, practice improvement committee, incentive committee, quality care committee, and currently the chair of the recruitment committee. Portage Physicians is under contract with Bronson Healthcare.

Van Buren/Cass County Health Department 2016-present. Medical Director

Van Buren/Cass County Health Department 2013-2015. Deputy Medical Director

Van Buren/Cass County Jails, 2013-2017. Medical Director

Cass County, 2013-present. Medical Examiner

Berrien County Deputy Medical Examiner, 2014-2018

Ascension at Home Hospice-2018-2020. Medical Director

Volunteer work:

Served on the State of Michigan Strategic Planning Committee for Public Health

Provide physicals for migrant farm workers' families

Provide yearly sports physicals for numerous area high schools

Former Team Physician-Portage Central High school

Summer band camp chaperone/Medical Consultant for Vicksburg Community High School Band

Frequent guest speaker on medical topics at schools and service clubs

School board member and officer Kalamazoo Country Day School 2000-2006

Education:

University of West Florida, Masters of Public Health program

Saint Joseph Medical Center, South Bend Indiana, completed residency in family practice medicine (1988-1991)

Michigan State University College of Human Medicine, Doctor of Medicine (1988)

Valparaiso University, Bachelor of Science in Chemistry and Bachelor of Arts in Spanish (1984)

Certifications/Accreditations: *Board Certified-American Academy of Family Physicians*

Certification in Public Health

Professional Memberships: *Member of American Medical Association and American Academy of Family Physicians*

Member of American Public Health Association

Member of Michigan Association for Preventative Medicine and Public Health Physicians

2019

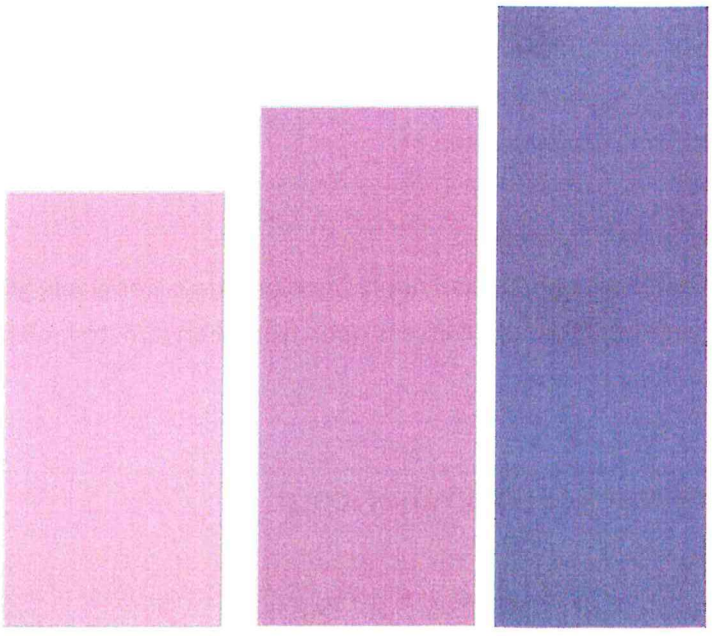
ANNUAL REPORT

WESTERN MICHIGAN UNIVERSITY
Homer Stryker M.D.
SCHOOL OF MEDICINE

MEDICAL EXAMINER AND
FORENSIC SERVICES

Office of the Medical Examiner

Allegan, Barry, Berrien, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph and Van Buren Counties





Physical Address:
300 Portage Street
Kalamazoo, MI 49007
Phone: (269) 337-6173
After Hours: (844) 337-6001

Mailing Address:
1000 Oakland Drive
Kalamazoo, MI 49008

Hours of Operation:
Our office operates 24 hours per day, 7 days per week, 365 days per year.
Our administrative office is open from 8:00 a.m. to 5:00 p.m. Monday through Friday, with holiday exceptions.

mimedicalexaminer.com

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Editor's note: Every effort has been made to provide the most accurate data in this report.

Department of Pathology Faculty

Joyce L. deJong, DO
Chair and Professor
Medical Examiner

Joseph A. Prahlow, MD
Vice Chair and Professor
Deputy Medical Examiner

Theodore T. Brown, MD
Medical Director and Assistant Professor
Deputy Medical Examiner

Jered B. Cornelison, PhD
Assistant Professor
Forensic Anthropologist

Elizabeth A. Douglas, MD
Assistant Professor
Deputy Medical Examiner

Amanda O. Fisher-Hubbard, MD
Assistant Professor
Chief, Division of Neuropathology
Deputy Medical Examiner

Prentiss Jones, PhD
Associate Professor
Forensic Toxicologist

Christine M. Pink, PhD
Assistant Professor
Forensic Anthropologist

Brandy L. Shattuck, MD
Assistant Professor
Deputy Medical Examiner

Which Deaths Do We Investigate?

The Michigan Compiled Laws (MCL 52.202) require the county medical examiner or deputy county medical examiner to investigate the cause and manner of death of an individual under each of the following circumstances:

- The individual dies by violence.
- The individual's death is unexpected.
- The individual dies without medical attendance by a physician, or the individual dies while under home hospice care without medical attendance by a physician or a registered nurse during the 48 hours immediately preceding the time of death, unless the attending physician, if any, is able to determine accurately the cause of death.
- The individual dies as the result of an abortion, whether self-induced or otherwise.
- If a prisoner in a county or city jail dies while imprisoned, the county medical examiner or deputy county medical examiner, upon notification of the death of the prisoner, shall examine the body of the deceased prisoner.

We also consider the National Association of Medical Examiners (NAME) standards in deciding which deaths to investigate, which include:

- Deaths due to violence.
- Known or suspected non-natural deaths.
- Unexpected or unexplained deaths when in apparent good health.
- Unexpected or unexplained deaths of infants and children.
- Deaths occurring under unusual or suspicious circumstances.
- Deaths of persons in custody.
- Deaths known or suspected to be caused by diseases constituting a threat to public health.
- Deaths of persons not under the care of a physician.

Identification of Decedent

In Michigan, MCL 52.205 requires a scientific identification in cases where visual identification of a decedent is impossible as a result of burns, decomposition, or other disfiguring injuries or the death is the result of an accident that involved two or more individuals who were approximately the same age, sex, height, weight, hair color, eye color and race. In these cases, the county medical examiner is required to verify the identity of the decedent through fingerprints, dental records, DNA or another definitive identification procedure.

Indications for Complete Autopsy

The decision regarding whether a complete autopsy should be performed is based on the NAME Autopsy Performance Standards. Consequently, an autopsy is performed when the:

1. Death is known or suspected to have been caused by apparent criminal violence.
2. Death is unexpected and unexplained in an infant or child.
3. Death is associated with police action.
4. Death is apparently non-natural and in custody of a local, state, or federal institution.
5. Death is due to acute workplace injury.
6. Death is caused by apparent electrocution.
7. Death is by apparent intoxication by alcohol, drugs, or poison, unless a significant interval has passed and the medical findings and absence of trauma are well documented.
8. Death is caused by unwitnessed or suspected drowning.
9. Body is unidentified and the autopsy may aid in identification.
10. Body is skeletonized.
11. Body is charred.
12. Forensic pathologist deems a forensic autopsy is necessary to determine cause or manner of death, or document injuries/disease, or collect evidence.
13. Deceased is involved in a motor vehicle incident and an autopsy is necessary to document injuries and/or determine the cause of death.

What is the difference between Cause of Death and Manner of Death?

The cause of death is (a) the disease or injury that initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence that produced fatal injury.

Manner of death determination is something that originated in the United States. Unlike the cause of death, with thousands of possibilities, in Michigan, manner of death is limited to: *Natural*, *Suicide*, *Accident*, *Homicide* and *Indeterminate*. The fundamental purpose for determining the manner of death is for public health surveillance and vital statistics.

"The inference of manner is much like the inference of cause of death. One creates the equivalent of a differential diagnosis, ranks and prunes the possibilities, and comes to a conclusion as to which is most likely. The difference is in the degree to which the determination relies on external information. There is often little about a bullet-hole that tells one who created it; many wounds are equally consistent with homicide, suicide or even accident. It is necessary to consider investigational data, scene data and history."

- ***Natural*** deaths are due solely or nearly totally to disease and/or the aging process.
- ***Accident*** applies when an injury or poisoning (such as a drug overdose) causes death and there is little or no evidence that the injury or poisoning occurred with intent to harm or cause death. In essence, the fatal outcome was unintentional.

- *Suicide* results from an injury or poisoning as a result of an intentional, self-inflicted act.
- *Homicide* occurs when the death results from a volitional act committed by another person to cause fear, harm, or death. Intent to cause death is a common element but is not required for classification as a homicide. It has to be emphasized that the classification of homicide for the purpose of death certification is a "neutral" term and neither indicates nor implies criminal intent, which remains a determination within the province of legal processes.
- ***Indeterminate*** is a classification used when the information pointing to one manner of death is no more compelling than one or more other competing manners of death, in thorough consideration of all available information.

In general, when death involves a combination of natural processes and external factors, such as injury or poisoning, preference is given to the non-natural manner of death.

The Death Investigation Process

As we mentioned above, a medical examiner investigator (MEI) responds to nearly all of the death scenes. The medical examiner investigator is trained to recognize the vast majority of the deaths requiring postmortem examinations and, in those cases, immediately arranges for transport to WMed for a postmortem examination. Homicides, infant deaths, and drug overdoses are examples of the deaths that are immediately sent.

If the death does not appear to meet the requirements for a postmortem examination, the MEI contacts the on-call medical examiner to discuss the case before releasing the body to a funeral home. The MEI writes a report documenting their findings and uploads images obtained at the investigation. These reports and photos are reviewed by the medical examiner or deputy medical examiner.

The medical examiner or a deputy medical examiner is assigned to each case and generally uses one of the following approaches in each of the deaths for which our office is responsible:

- ***Declined Jurisdiction:*** A reported death classified as an attended natural death should be documented as a Declined Jurisdiction case.
- ***Direct Release:*** The body is released directly from the scene to the funeral home. The MEI at the scene views the body and collects information on the scene, medical history, and social history. This information is provided to the on-call medical examiner who may decide to release a body directly to the funeral home chosen by the family.
- ***Storage:*** The body will be taken to WMed for temporary storage until a funeral home has been chosen. If family cannot be found or if the family does not take responsibility for the disposition of the remains, an unclaimed remains process ensues.
- ***External Examination:*** An external examination includes a careful evaluation of the circumstances of the death and an examination of the external surfaces of the body, with possible laboratory/toxicology testing. This includes the production of a written report.

- *Limited Examination:* A limited examination generally is within an anatomic boundary (such as a brain only examination) to recover a foreign body or to answer specific questions. This type of examination may also include toxicology testing. This type of exam is rare and used in only special circumstances. This includes the production of a written report.

- *Complete Autopsy:* A complete examination includes external and internal examination, with toxicology. This includes the production of a written report.

Cremation Permit Authorizations

Michigan compiled law 52.210 requires funeral directors and embalmers to obtain a signed permit from the medical examiner for the county in which the death occurred. Our office reviews thousands of cremation permit requests each year. The requests for authorization to cremate involves reviewing the death certificate provided by the funeral director to ascertain that deaths that should have been reported to our office were, in fact, reported. Deaths that were not properly reported are investigated before cremation is authorized.

Public Health and Safety

The major purpose of the Medical Examiner's Office is to conduct death investigations. The information obtained from individual death investigations may also be studied collectively to gather information that may be used to address public health and safety issues. Our office participates with the Child Death Review Team in all counties, providing significant information regarding how children died with the goal of preventing future deaths.

An Elder Death Review Team is now operational in Kalamazoo County. As the process to identify and effectively review deaths of the elderly and vulnerable adults is improved, with a goal of identifying how to improve care for these populations in our communities, we plan to expand this to all of our counties. Public Act 171 of 2012 allows the Medical Examiner to create elder death review teams and it provides legal protections for members of the team.

Unclaimed Investigations

When a death occurs, there is not always someone available who is willing and able to claim the decedent and arrange for final disposition with a funeral director. The process varies with whether the decedent had resources to cover the cost of final disposition. If not, our staff members work with the State of Michigan DHS and area funeral directors to have the decedent cremated. As this process results in an accumulation of unclaimed cremains, we started working with St. Martin of Tours Episcopal Church in Kalamazoo, Michigan in 2019 to bury the cremains. The names of each of the decedents buried in small coffins on the grounds of the church are on a plaque on the outside of the church. This annual event did not occur in 2020 due to COVID-19, however, we hope to resume this respectful disposition of remains as soon as it is safe to do so.

Terms

- "MEI Scene Investigations" are those reported deaths for which an MEI went to the death scene.
- "Deaths Investigated" include MEI Scene Investigations as well as reported deaths that, while may not allow for a scene investigation, involved an investigation beyond the initial report of the death, usually in the form of a records review in response to information provided as part of a cremation request.
- The category "Referrals to Gift of Life" does not include in-hospital deaths reported to the Medical Examiner's Office, which are referred to Gift of Life by hospital staff rather than the Medical Examiner's Office.
- For "Accidental Deaths," the subcategory "Vehicle" consists of deaths that were classified as transportation-related fatalities, and includes all forms of transport; drivers/operators, passengers and pedestrians; and types of death that might otherwise fall into a different sub-classification, such as vehicle fires and traumatic asphyxia.

Important note regarding the data in this report:

The data reflects the county where the individual was pronounced dead rather than the county of residence or the county in which the incident leading to death might have occurred. If a motor vehicle collision occurs in County A, and an individual injured in the collision is transported to and eventually reported dead in County B, the death is reported to the Medical Examiner of County B. Consequently, counties with major medical centers typically have a much higher number of deaths with injuries that may have occurred in another county.

ALLEGAN COUNTY

Summary of All Allegan County Cases

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Deaths in the County	607	549	602	657	705	753	745	788	772	818[1]
Deaths Reported to the ME	164	172	162	182	193	176	203	188	197	219
Deaths Investigated	N/A	N/A	145	164	189	170	192	164	191	199
MEI Scene Investigations	147	155	143	160	177	152	174	158	185	179
Death Certificates by ME	98	83	78	76	97	77	85	76	88	88
Bodies Transported to WMed	80	68	63	58	74	66	62	69	72	69
Complete Autopsy	57	51	43	49	63	32	36	45	41	37
Limited Autopsy	4	2	6	1	2	2	5	2	2	3
External Examination	16	13	11	5	7	18	17	13	24	21
Storage Only at WMed	3	2	3	3	2	14	4	9	5	8
Total Cases with Toxicology	70	51	54	54	70	47	52	54	59	55
Unidentified Remains After Exam	0	0	0	0	2	1	0	0	1	2
Referrals to Gift of Life	14	35	38	32	62	64	63	73	61	55
Tissue Donations	4	3	4	0	5	8	5	6	4	11
Cornea Donations	1	3	5	0	6	7	4	7	4	5
Unclaimed Investigations	0	2	2	1	2	3	1	2	2	8
Exhumations	0	0	0	0	0	0	0	0	0	0

Cremation Permit Authorizations, Allegan County

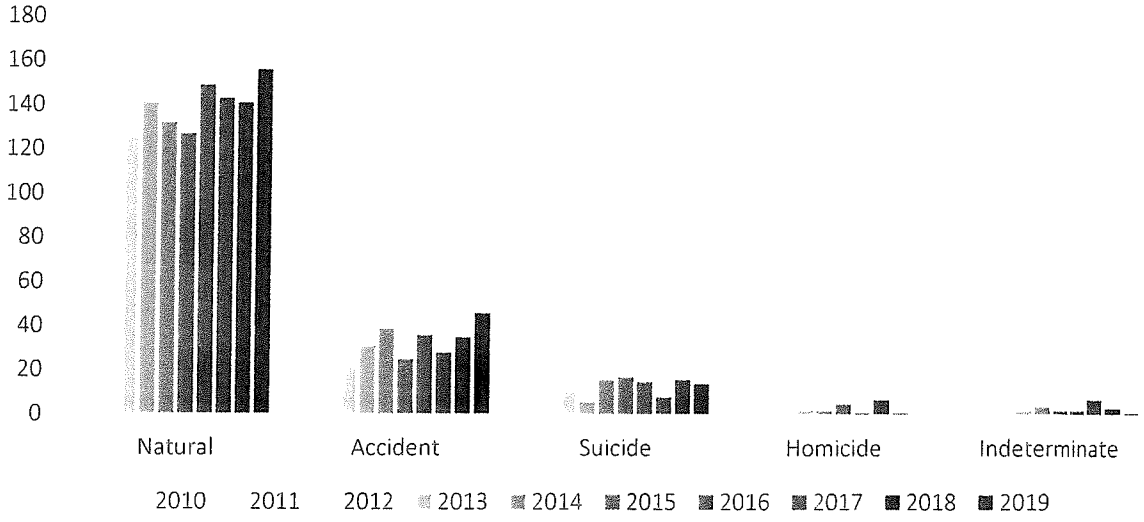
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cremation Permits	287	300	299	350	409	404	442	469	487	519
% of Total Deaths with Cremation	47%	55%	50%	53%	58%	54%	60%	59%	63%	63%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Allegan County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Natural	105	128	126	141	132	127	149	143	141	156
Accident	37	28	22	31	39	25	36	28	35	46
Suicide	16	14	12	6	16	17	15	8	16	14
Homicide	0	1	1	2	2	5	1	2	1	0
Indeterminate	6	1	1	2	4	2	2	7	3	1[1]
Total	**164**	**172**	**162**	**182**	**193**	**176**	**203**	**188**	**196**	**217[2]**

Manners of Death, Allegan County



Deaths Reported by Age (in years), Allegan County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2010	0	0	1	1	9	21	55	74
2011	0	0	1	3	9	14	49	95
2012	0	0	0	0	5	20	63	74
2013	2	0	0	0	7	17	57	99
2014	3	0	0	1	6	16	73	92
2015	0	1	1	5	7	15	59	87

[1] (1) Interstitial pneumonitis associated with unsafe sleep environment
[2] Does not include: (1) Unidentified, preserved fetal remains; (1) Skeletal remains, historical

2016	0	1	0	0	5	26	58	112
2017	3	1	0	2	3	17	54	106
2018	1	3	0	2	4	29	55	102
2019[1]	1	0	0	0	6	22	57	131

Pediatric Deaths, Allegan County

The one death of individuals under 18 years of age include:

1. <1 year old
    a. (1) Interstitial pneumonitis associated with unsafe sleep; indeterminate

Accidental Deaths by Mechanism, Allegan County

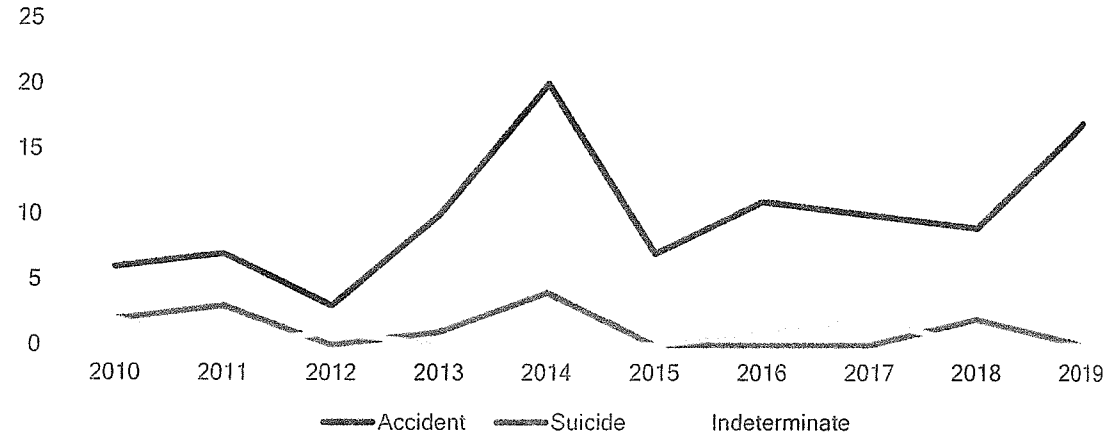
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Vehicle	15	12	13	9	11	10	9	12	12	9
Drug-Related	6	7	3	10	20	7	11	10	9	17[2]
Drowning	1	2	0	1	1	0	1	3	3	1
Fall	7	4	2	7	5	5	10	3	10	12
Fire	3	2	3	1	0	0	0	0	0	1
Environmental Exposure	0	0	0	2	0	2	1	0	0	1
Asphyxia	3	2	1	0	0	0	2	0	2	3[3]
Other	2	0	0	2	2	1	2	0	0	2[4]
Total	**37**	**29**	**22**	**31**	**39**	**25**	**36**	**28**	**35**	**46**

[1] Does not include: (1) Unidentified, preserved fetal remains; (1) Skeletal remains, historical
[2] Includes (1) mixed drug intoxication associated with hypothermia
[3] (1) Asphyxia due to choking; (1) Crushing injuries and traumatic asphyxia sustained while pinned between farm machinery; (1) Asphyxia due to wedging between bed and wall
[4] (1) Blunt force injuries sustained by an unmanned forklift/wood splitter; (1) Blunt force injuries sustained while cutting down trees

Drug-Related Deaths by Manner, Allegan County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Accident	6	7	3	10	20	7	11	10	9	17
Suicide	2	3	0	1	4	0	0	0	2	0
Indeterminate	2	0	1	0	0	0	1	2	0	0
Total	**10**	**10**	**4**	**11**	**24**	**7**	**12**	**12**	**11**	**17**
Total involving opioid(s)	N/A	N/A	N/A	N/A	N/A	6	8	6	8	13
% of Accidental and Indeterminate Deaths Involving Opioids	N/A	N/A	N/A	N/A	N/A	86%	67%	50%	78%	76%

Drug-Related Deaths, Allegan County



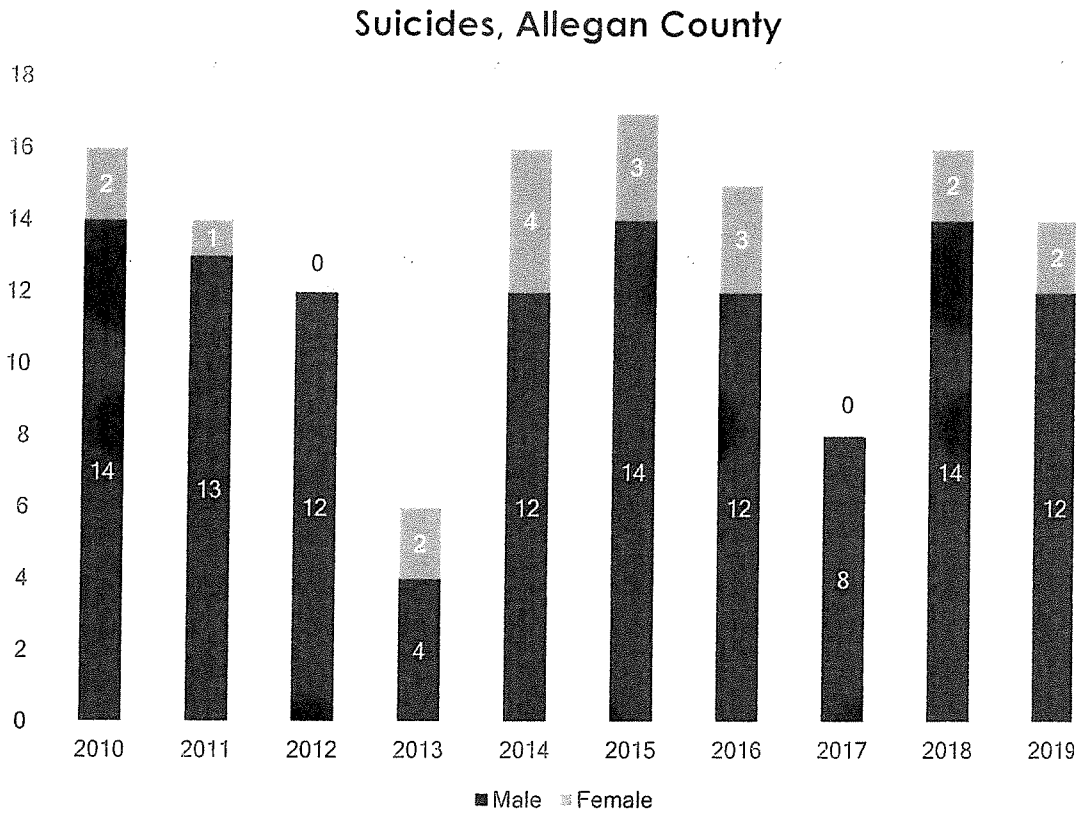
Drug-Related Accidental Deaths, Allegan County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
19	F	W	49419	Buprenorphine, norbuprenorphine, pregabalin	Y
26	M	W	49323	Alcohol, fentanyl, morphine	Y
26	M	H	49423	Alcohol, clozapine	N
28	M	W	49080	Alprazolam, morphine	Y
29	M	W	49348	Methamphetamine	N
30	M	H	49423	Alprazolam, hydrocodone	Y
32	F	W	49078	Alprazolam, amphetamine, citalopram, methamphetamine	N
33	M	W	49348	Cocaine, methadone, opiates	Y

35	M	W	49344	Acetyl fentanyl, fentanyl, heroin, hydromorphone, methamphetamine	Y
35	M	W	49453	Cocaine, fentanyl, heroin, methamphetamine	Y
38	M	B/W	49344	Alcohol, cocaethylene, cocaine, fentanyl	Y
42	F	B/ American Indian	49344	Alcohol, cocaethylene, cocaine, fentanyl	Y
45	M	W	49406	Methamphetamine, methylenedioxymethamphetamine (MDMA)	N
45	M	W	49010	Gabapentin, methamphetamine, tramadol	Y
49	M	W	49080	Alcohol, amphetamine, fentanyl, gabapentin, methamphetamine	Y
55	M	W	49010	Gabapentin, hydrocodone, tramadol	Y
56	M	W	49423	Morphine	Y

Suicides, Allegan County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2010	16	14	2	0	3	8	2	3
2011	14	13	1	0	1	7	4	2
2012	12	12	0	0	1	3	6	2
2013	6	4	2	0	1	2	2	1
2014	16	12	4	0	1	4	8	3
2015	17	14	3	2	4	1	5	5
2016	15	12	3	0	3	6	3	3
2017	8	8	0	0	2	0	3	3
2018	16	14	2	0	0	7	7	2
2019	14	12	2	0	3	4	3	4



Suicides by Mechanism, Allegan County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Firearm	6	6	9	3	11	11	10	7	8	6
Hanging	6	3	3	0	1	4	4	0	5	6
Carbon Monoxide	1	1	0	1	0	0	1	1	0	0
Drug Intoxication	2	2	0	1	4	0	0	0	1	0
Motor Vehicle	1	2	0	1	0	0	0	0	1	0
Sharp Force Trauma	0	0	0	0	0	0	0	0	0	1
Asphyxia/Suffocation	0	0	0	0	0	2	0	0	0	0
Other	0	0	0	0	0	0	0	0	1	1
Total	**16**	**14**	**12**	**6**	**16**	**17**	**15**	**8**	**16**	**14**

BARRY COUNTY

Summary of All Barry County Cases[1]

	2015	2016[2]	2018	2019
Total Deaths in the County	416	399	390	398[3]
Deaths Reported to the ME	125	130	146	121
Deaths Investigated	118	124	131	108
MEI Scene Investigations	112	120	128	103
Death Certificates by ME	53	57	52	54
Bodies Transported to WMed	43	47	41	38
Complete Autopsy	35	37	25	28
Limited Autopsy	1	0	1	2
External Examination	6	8	12	8
Storage Only at WMed	1	2	3	0
Total cases with Toxicology	N/A	N/A	35	37
Unidentified Remains After Exam	N/A	N/A	0	0
Referrals to Gift of Life	40	48	44	22
Tissue Donations[4]	6	17	3	3
Cornea Donations	N/A	N/A	0	1
Unclaimed Investigations	1	0	1	0
Exhumations	N/A	N/A	0	0

Cremation Permit Authorizations, Barry County

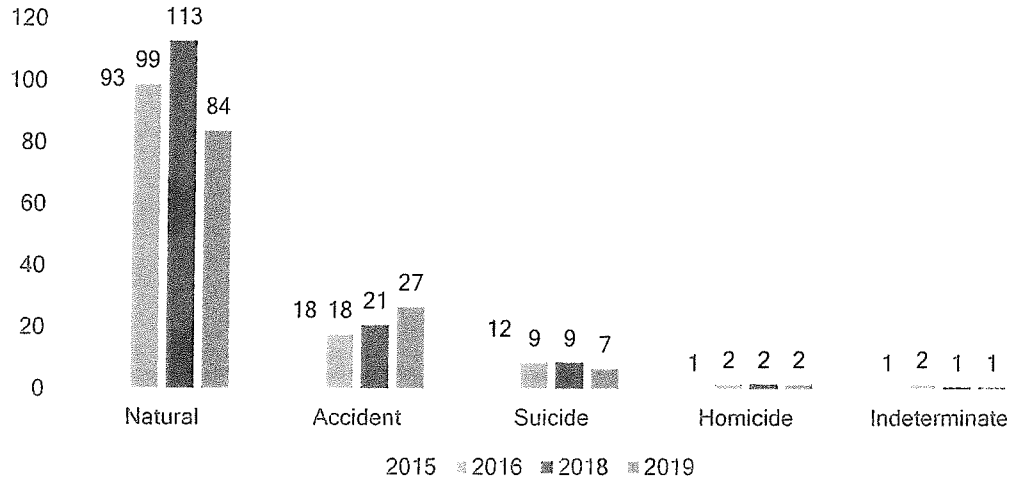
	2018	2019
Cremation Permits	262	251
% of Total Deaths with Cremation	67%	63%

[1] Data for 2017 is not available at the time this report is authored
[2] Data from years 2015-2016 obtained from Sparrow Hospital
[3] Provisional total number of deaths occurring in the county
[4] 2016 and 2017 data include both tissue and cornea donations combined

Manners of Death Reported, Barry County[1]

	2015	2016	2018	2019
Natural	93	99	113	84
Accident	18	18	21	27
Suicide	12	9	9	7
Homicide	1	2	2	2
Indeterminate	1	2	1	1[2]
Total	**125**	**130**	**146**	**121**

Manners of Death, Barry County



Deaths Reported by Age (in years), Barry County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2018	0	0	0	1	0	8	46	89
2019	1	0	0	2	5	12	30	71

Pediatric Deaths, Barry County

The three deaths of individuals under 18 years of age include:

1. <1 year old
    a. (1) Multiple blunt force injuries, passenger in motor vehicle collision; accident

[1] Data from years 2015-2016 obtained from Sparrow Hospital
[2] (1) Mixed drug intoxication

2. 11-17 years old
   a. (1) Shotgun wound of head; suicide
   b. (1) Multiple blunt force injuries, passenger in motor vehicle collision; accident

Accidental Deaths by Mechanism, Barry County

	2018	2019
Vehicle	7	11
Drug-Related	4	5
Drowning	0	3
Fall	8	4
Fire	0	1
Environmental Exposure	0	1
Asphyxia	1	2[1]
Other	1	0
Total	**21**	**27**

Drug-Related Deaths by Manner, Barry County

	2018	2019
Accident	4	5
Suicide	0	0
Indeterminate	1	1
Total	**5**	**6**
Total involving opioid(s)	2	4
% of Accidental and Indeterminate Deaths Involving Opioids	40%	67%

Drug-Related Accidental & Indeterminate Deaths, Barry County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
18	M	W	49058	Methamphetamine	N
26	F	W	49058	Acetyl fentanyl, alprazolam, diphenhydramine, fentanyl, heroin, norfentanyl	Y
31	F	W	49058	Alcohol, alprazolam, buprenorphine, mitragynine, quetiapine	Y

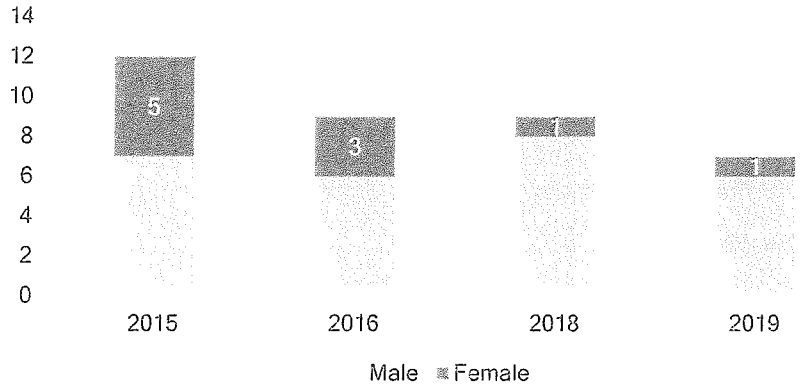
[1] (1) Asphyxia due to choking; (1) Asphyxia due to entrapment (in corn silo)

36	F	W	49080	Fentanyl, methamphetamine	Y
45	M	B	49058	Methamphetamine	N
57	M	W	49046	Acetyl fentanyl, cocaine, fentanyl	Y

Suicides, Barry County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	25 - 64	65 +
2015	12	7	5	1	0	7	4	0
2016	9	6	3	1	0	1	5	2
2018	9	8	1	1	0	1	4	3
2019	7	6	1	1	1	0	3	2

Suicides, Barry County



Suicides by Mechanism, Barry County

	2015	2016	2018	2019
Firearm	7	7	7	4
Hanging	3	1	1	3
Carbon Monoxide	0	0	0	0
Drug Intoxication	2	1	0	0
Motor Vehicle	0	0	0	0
Sharp Force Trauma	0	0	0	0
Asphyxia/Suffocation	0	0	0	0
Other	0	0	1	0
Total	**12**	**9**	**9**	**7**

BERRIEN COUNTY

Summary of All Berrien County Cases

	2019
Total Deaths in the County	1,622[1]
Deaths Reported to the ME	430
Deaths Investigated	399
MEI Scene Investigations	353
Death Certificates by ME	152
Bodies Transported to WMed	132
Complete Autopsy	90
Limited Autopsy	5
External Examination	26
Storage Only at WMed	11
Total Cases with Toxicology	110
Unidentified Remains After Exam	1
Referrals to Gift of Life	80
Tissue Donations	7
Cornea Donations	4
Unclaimed Investigations	10
Exhumations	1

Cremation Permit Authorizations, Berrien County

	2019
Cremation Permits	1,045
% of Total Deaths with Cremation	64%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Berrien County

	2019
Natural	321
Accident	71
Suicide	21
Homicide	8[1]
Indeterminate	9
Total	**430[2]**

Deaths Reported by Age (in years), Berrien County

	< 1	1 - 5	6 - 10	11 - 17	18 – 25	26 - 44	45 - 64	65 +
2019[3]	6	1	1	2	6	58	108	246

Pediatric Deaths, Berrien County

The ten deaths of individuals under 18 years of age include:

1. <1 year old
   a. (1) Asphyxia, slid down into car seat straps; accident
   b. (1) Sudden unexplained infant death with possible associated unsafe sleep and bacterial organism; indeterminate
   c. (1) Sudden unexplained infant death with possible unsafe sleep and congenital atypical heart; indeterminate
   d. (1) Extreme prematurity, history of maternal assault; indeterminate
   e. (1) Trisomy 13, prematurity; natural
   f. (1) Positional asphyxia due to unsafe sleep; accident
2. 1-5 years old
   a. (1) Sepsis; natural
3. 6-10 years old
   a. (1) Multiple injuries, passenger in motor vehicle collision; accident
4. 11-17 years old
   a. (1) Drowning; accident
   b. (1) Mixed drug intoxication; suicide

[1] Includes (1) exhumation of 1988 homicide investigation for DNA analysis; (1) homicide investigation occurring on 12/31/2018, with examination on 01/02/2019
[2] Does not include (1) fetal tissue from spontaneous abortion
[3] Does not include (1) fetal tissue from spontaneous abortion

Accidental Deaths by Mechanism, Berrien County

	2019
Vehicle	21[1]
Drug-Related	23
Drowning	4
Fall	12
Fire	2
Environmental Exposure	3[2]
Asphyxia	3[3]
Other	3[4]
Total	**71**

Drug-Related Deaths by Manner, Berrien County

	2019
Accident	23
Suicide	2
Indeterminate	1
Total	**26**
Total involving opioid(s)	22
% of Accidental and Indeterminate Deaths Involving Opioids	92%

Drug-Related Accidental & Indeterminate Deaths, Berrien County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
24	F	W	49038	Acetyl fentanyl, fentanyl, heroin, mitragynine	Y
28	M	W	49120	Methadone	Y
29	M	W	49120	Fentanyl, heroin	Y
31	M	W	49085	Fentanyl, methamphetamine	Y

[1] Includes (1) Multiple blunt force injuries, wheel fell off of passing semi striking pedestrian
[2] Includes (1) Hypothermia associated with acute intoxication and natural disease
[3] (1) Hanging due to apparent autoerotic asphyxia; (1) Asphyxia due to sliding down into car seat straps; (1) Positional asphyxia due to unsafe sleep
[4] (1) High voltage electrocution; (1) Carbon monoxide inhalation; (1) Sharp force neck injury via chainsaw

32	M	W	49038	Diazepam, methadone	Y
32	M	W	49111	Flualprazolam, heroin	Y
33	F	W	49085	Chlorpromazine, clonazepam, fentanyl, imipramine	Y
35	M	W	49022	Fentanyl	Y
35	F	W	49103	Fentanyl, heroin, methamphetamine	Y
36	M	W	49085	Acetaminophen, gabapentin, morphine, phentermine, oxycodone	Y
36	F	W	49113	Clonazepam, heroin, methamphetamine	Y
37	M	W	49120	Alcohol, cyclobenzaprine, fentanyl, morphine	Y
38	F	W	49022	Butalbital, fentanyl, methadone, suvorexant	Y
39	F	W	49111	Methadone	Y
39	M	W	49117	Alcohol, cocaine	N
39	M	W	49120	Diazepam, fentanyl	Y
40	M	W	49120	Heroin	Y
43	F	W	49103	Acetyl fentanyl, diphenhydramine, fentanyl, morphine	Y
44	M	B	49022	Fentanyl, heroin	Y
48	F	W	49120	Methamphetamine	N
48	F	W	49085	Acetyl fentanyl, fentanyl, methamphetamine	Y
55	M	W	49117	Amphetamine, gabapentin, hydrocodeine, hydrocodone, paroxetine, phenylpropanolamine, quetiapine	Y
63	M	B	49107	Alcohol, fentanyl, heroin	Y
68	F	W	49120	Hydrocodone, methadone	Y

Suicides, Berrien County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2019	21	17	4	1	0	9	4	7

Suicides by Mechanism, Berrien County

	2019
Firearm	16
Hanging	3
Carbon Monoxide	0
Drug Intoxication	2
Motor Vehicle	0
Sharp Force Trauma	0
Asphyxia/Suffocation	0
Other	0
Total	**21**

CALHOUN COUNTY

Summary of All Calhoun County Cases

	2014	2015	2016	2017	2018	2019
Total Deaths in the County	1,390	1,378	1,427	1,396	1,495	1,517[1]
Deaths Reported to the ME	377	429	411	443	475	508
Deaths Investigated	335	392	361	400	415	442
MEI Scene Investigations	296	311	307	352	387	381
Death Certificates by ME	178	180	186	191	200	176
Bodies Transported to WMed	138	164	165	176	170	146
Complete Autopsy	103	109	103	102	103	81
Limited Autopsy	1	5	4	3	8	8
External Examination	20	28	36	46	38	32
Storage Only at WMed	14	20	22	25	21	25
Total Cases with Toxicology	122	131	113	141	139	112
Unidentified Remains After Exam	0	0	0	0	0	0
Referrals to Gift of Life	119	115	118	146	107	72
Tissue Donations	8	3	11	10	11	6
Cornea Donations	8	8	11	8	9	3
Unclaimed Investigations	13	8	11	23	24	29
Exhumations	1	0	0	0	0	0

Cremation Permit Authorizations, Calhoun County

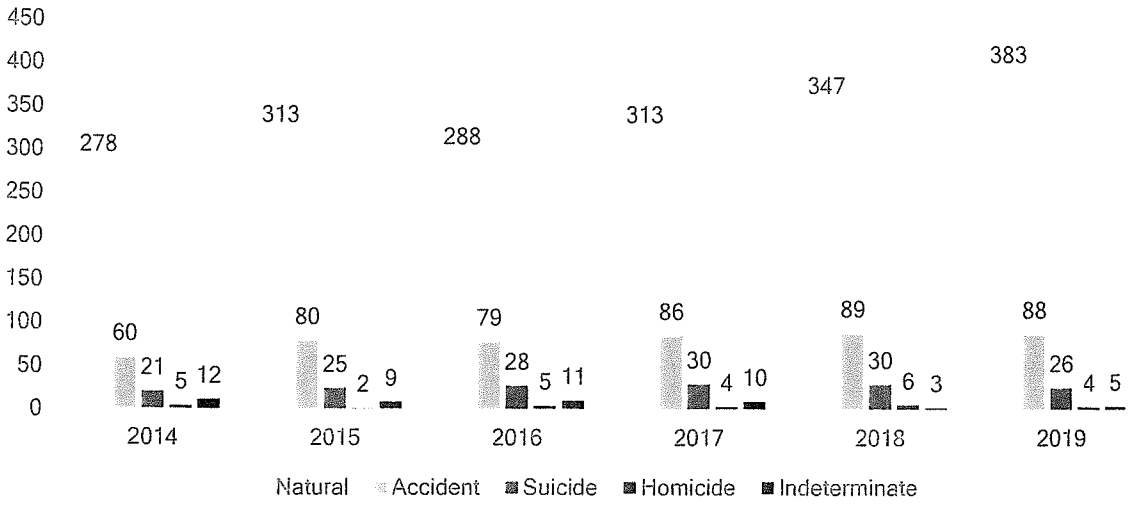
	2014	2015	2016	2017	2018	2019
Cremation Permits	721	742	811	857	901	997
% of Total Deaths with Cremation	52%	54%	57%	61%	60%	66%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Calhoun County

	2014	2015	2016	2017	2018	2019
Natural	278	313	288	313	347	383
Accident	60	80	79	86	89	88
Suicide	21	25	28	30	30	26
Homicide	5	2	5	4	6	4
Indeterminate	12	9	11	10	3	5[1]
Total	**377**	**429**	**411**	**443**	**475**	**506**[2]

Manners of Death, Calhoun County



Deaths Reported by Age (in years), Calhoun County

	< 1	1 - 5	6 - 10	11 - 17	18 – 25	26 - 44	45 - 64	65 +
2014	6	4	0	3	8	34	148	171
2015	4	0	1	6	11	59	128	215
2016	4	0	2	2	9	53	122	208
2017	3	1	1	1	14	65	140	206
2018	1	0	2	2	9	45	164	241
2019	0	0	1	0	12	53	157	283

[1] (1) Inhalation of products of combustion (house fire); (1) Multiple injuries, pedestrian versus motor vehicle; (1) Sustained multiple gunshot wounds and self-inflicted shotgun wound (altercation with law enforcement); (2) Cause and manner of death could not be determined

[2] Does not include (2) stillbirth investigations (cremation authorizations)

Pediatric Deaths, Calhoun County

The three deaths of individuals under 18 years of age include:

1. 6-10 years old
    a. (1) Inhalation of products of combustion (house fire); indeterminate

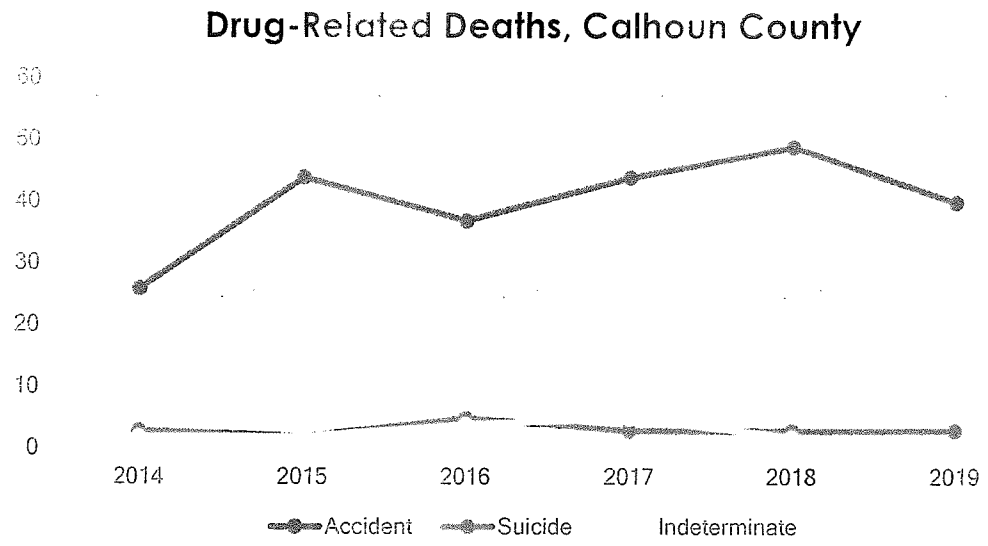
Accidental Deaths by Mechanism, Calhoun County

	2014	2015	2016	2017	2018	2019
Vehicle	10	21	20	14	15	15
Drug-Related	26	44	38	44	49	40[1]
Drowning	0	2	2	3	1	4[2]
Fall	16	11	14	19	19	20
Fire	5	0	1	0	1	1
Environmental Exposure	2	0	0	0	0	3
Asphyxia	2	0	2	5	3	2[3]
Other	1	1	2	1	1	3[4]
Total	**62**	**81**	**79**	**86**	**89**	**88**

Drug-Related Deaths by Manner, Calhoun County

	2014	2015	2016	2017	2018	2019
Accident	26	44	37	44	49	40
Suicide	3	2	5	3	3	3
Indeterminate	2	2	4	5	2	0
Total	**31**	**48**	**46**	**52**	**54**	**43**
Total involving opioid(s)	N/A	42	40	48	48	36
% of Accidental and Indeterminate Deaths Involving Opioids	N/A	91%	88%	94%	92%	88%

[1] Includes (1) mixed drug intoxication associated with positional asphyxia
[2] Includes (2) Drowning associated with mixed drug intoxication
[3] (2) Asphyxia due to choking
[4] (2) Carbon monoxide inhalation; (1) Blunt force head injuries, struck by falling tree



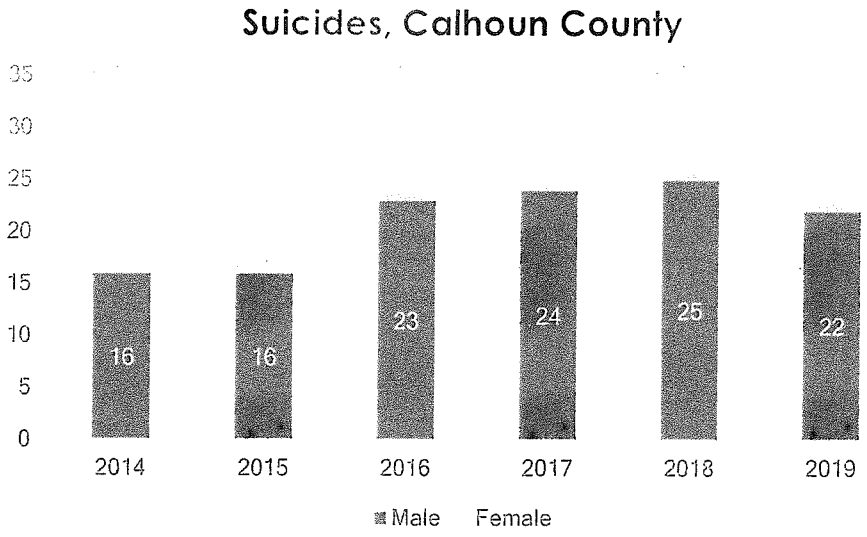
Drug-Related Accidental Deaths, Calhoun County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
29	F	B	49015	Alprazolam, diazepam, methadone, oxycodone	Y
30	M	W	49017	Acetyl fentanyl, fentanyl	Y
32	M	W	49037	Acetyl fentanyl, fentanyl, loperamide	Y
33	M	W	49017	Acetyl fentanyl, fentanyl, methamphetamine	Y
33	M	W	49245	Acetyl fentanyl, alprazolam, fentanyl, heroin	Y
33	M	W	49017	Cocaine, diphenhydramine, fentanyl, xylazine	Y
33	M	W	49017	Fentanyl, morphine	Y
36	M	W	49037	7-Aminoclonazapam, fentanyl	Y
37	M	B	49037	Fentanyl, morphine	Y
38	M	W	49014	Fentanyl	Y
38	M	B	49017	Alcohol, cocaethylene, cocaine, fentanyl	Y
38	M	W	49015	Methamphetamine	N
39	F	W	49017	Alcohol, cocaine, cyclobenzaprine, fentanyl, heroin	Y
39	F	W	49014	Alprazolam, amphetamine, buprenorphine, fentanyl	Y
40	M	W	49017	Fentanyl, methamphetamine	Y
40	M	W	49020	Acetyl fentanyl, alcohol, cocaine, fentanyl, mitragynine	Y
42	M	W	49017	Acetyl fentanyl, alprazolam, fentanyl, morphine	Y
44	M	W	49017	Acetyl fentanyl, alprazolam, fentanyl, morphine	Y

44	M	W	49037	Cocaine, fentanyl, valeryl fentanyl	Y
44	F	W	49037	Alprazolam, amphetamine, methamphetamine, phenylpropanolamine, tramadol	Y
44	M	B	49224	Cocaine, fentanyl	Y
45	M	B	49014	Alcohol, fentanyl, morphine, trihexyphenidyl	Y
45	M	W	49015	Diphenhydramine, methamphetamine	N
46	M	W	49015	Acetyl fentanyl, fentanyl, heroin	Y
49	M	W	49017	Alcohol, methamphetamine	N
52	M	American Indian	49015	Acetyl fentanyl, alcohol, fentanyl, heroin, methamphetamine	Y
53	M	W	49037	Acetyl fentanyl, clonazepam, fentanyl, heroin, methamphetamine, risperidone	Y
54	F	W	49017	Alcohol, amphetamine, fentanyl	Y
54	M	B	49017	Cocaine	N
55	M	W	49017	Acetyl fentanyl, fentanyl, methamphetamine	Y
57	F	B	49037	Acetyl fentanyl, clonazepam, cocaine, diphenhydramine, fentanyl, heroin, mitragynine	Y
57	M	W	49015	Cocaethylene, cocaine	N
58	F	B	49017	Fentanyl, heroin	Y
59	M	W	49037	Alcohol, buprenorphine, chlordiazepoxide	Y
59	M	W	49017	Fentanyl, methamphetamine, morphine	Y
61	M	W	49037	Acetyl fentanyl, buprenorphine, fentanyl, heroin	Y
62	M	B	49014	Acetyl fentanyl, alcohol, fentanyl, morphine	Y
63	M	B	49037	Acetyl fentanyl, fentanyl, morphine	Y
66	M	W	49037	Alcohol, cocaine, fentanyl	Y
71	F	W	49014	Oxycodone	Y

Suicides, Calhoun County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2014	21	16	5	1	4	7	8	1
2015	25	16	9	2	2	7	7	7
2016	28	23	5	1	2	8	12	5
2017	30	24	6	0	4	12	7	7
2018	30	25	5	1	2	5	15	7
2019	26	22	4	0	4	9	9	4



Suicides by Mechanism, Calhoun County

	2014	2015	2016	2017	2018	2019
Firearm	11	14	14	12	17	16
Hanging	7	5	6	10	10	5
Carbon Monoxide	0	0	2	0	0	0
Drug Intoxication	3	2	5	3	3	3
Motor Vehicle	0	0	1	2	0	1
Sharp Force Trauma	0	0	0	1	0	0
Asphyxia/Suffocation	0	2	0	1	0	0
Other	0	2	0	1	0	1[1]
Total	**21**	**25**	**28**	**30**	**30**	**26**

[1] (1) Inhalation of products of combustion (lit own residence on fire)

GRAND TRAVERSE COUNTY

Summary of All Grand Traverse County Cases

	2017	2018	2019
Total Deaths in the County	1,306	1,413	1,341[1]
Deaths Reported to the ME	380	350	384
Deaths Investigated	249	252	278
MEI Scene Investigations	122	206	212
Death Certificates by ME	153	126	131
Bodies Transported to WMed	77	58	65
Complete Autopsy	56	45	52
Limited Autopsy	2	0	2
External Examination	19	13	11[2]
Storage Only at WMed	0	0	0
Total Cases with Toxicology	73	53	61
Unidentified Remains After Exam	1	2	0
Referrals to Gift of Life	44	37	43
Tissue Donations	4	3	1
Cornea Donations	4	2	0
Unclaimed Investigations	5	7	10
Exhumations	0	0	0

Cremation Permit Authorizations, Grand Traverse County

	2017	2018	2019
Cremation Permits	1,005	1,108	1,077
% of Total Deaths with Cremation	76%	78%	80%

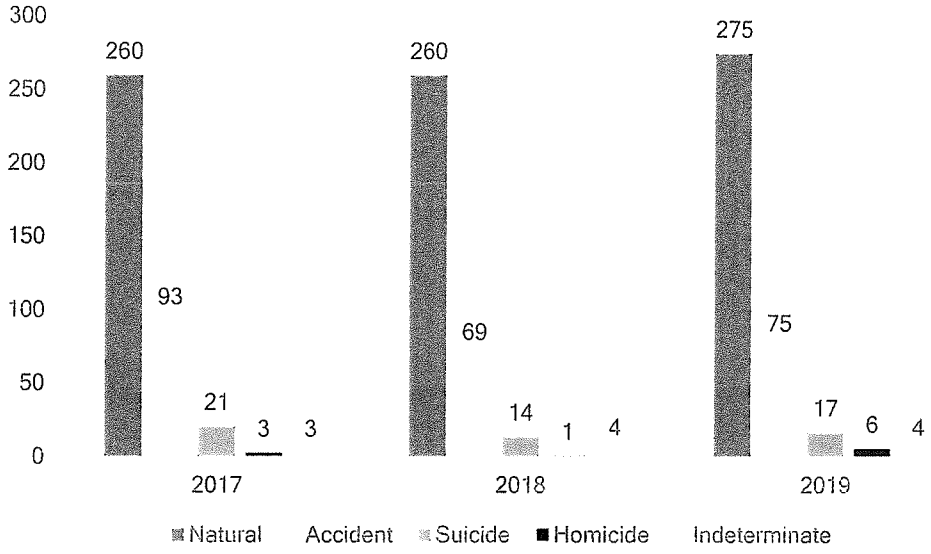
[1] Provisional total number of deaths occurring in the county

[2] Does not include (1) suicide investigation that occurred on 12/31/2019 with examination on 01/01/2020

Manners of Death Reported, Grand Traverse County

	2017	2018	2019
Natural	260	260	275
Accident	93	69	75
Suicide	21	14	17
Homicide	3	1	6
Indeterminate	3	4	4[1]
Total	**380**	**348**	**377[2]**

Manners of Death, Grand Traverse County



Deaths Reported by Age (in years), Grand Traverse County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2017	17	0	0	0	7	32	94	229
2018	5	0	0	2	7	22	85	216
2019	4	0	0	4	3	34	94	238

[1] (1) Asphyxia due to hanging; (1) Gunshot wound of head; (1) Prematurity possibly associated with maternal motor vehicle collision and drug use; (1) Complications of subdural hematoma of unknown etiology

[2] Does not include (6) stillbirth investigations (cremation permit investigations)

Pediatric Deaths, Grand Traverse County

The eight deaths of individuals under 18 years of age include:

1. <1 year old
   a. (1) Multiple injuries; homicide
   b. (1) Prematurity; natural
   c. (1) Multiple congenital anomalies, including cardiac defect; natural
   d. (1) Extreme prematurity potentially associated with maternal trauma and drug use; indeterminate
2. 11-17 years old
   a. (1) Gunshot wound of head; suicide
   b. (2) Hanging; suicide
   c. (1) Sudden cardiac death of uncertain etiology; natural

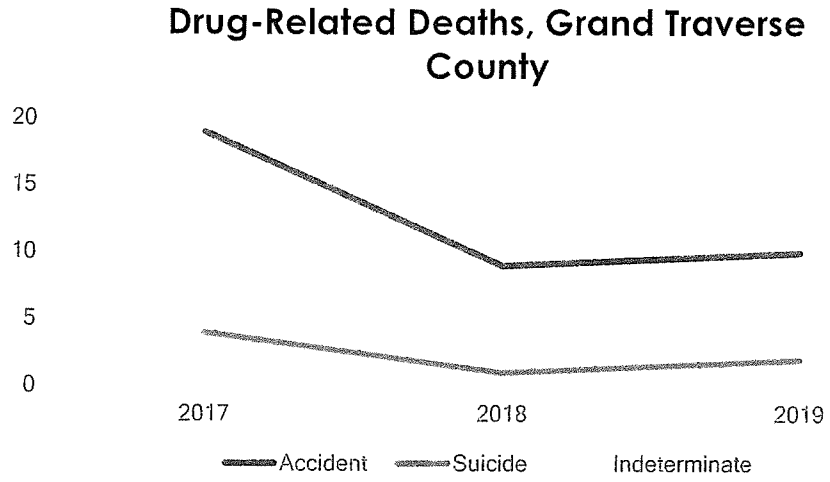
Accidental Deaths by Mechanism, Grand Traverse County

	2017	2018	2019
Vehicle	23	15	22[1]
Drug-Related	19	9	10
Drowning	2	2	2[2]
Fall	44	35	34
Fire	2	1	1
Environmental Exposure	0	1	0
Asphyxia	1	3	4[3]
Other	2	3	2[4]
Total	**93**	**69**	**75**

[1] Includes (1) Passenger of watercraft that fell into water and was struck by propeller
[2] Includes (1) Drove into pond while intoxicated
[3] (3) Asphyxia due to choking; (1) Compression asphyxia, pinned by dresser
[4] (1) Electrocution; (1) Blunt force injuries, struck snow machine while downhill skiing

Drug-Related Deaths by Manner, Grand Traverse County

	2017	2018	2019
Accident	19	9	10
Suicide	4	1	2
Indeterminate	0	0	0
Total	**23**	**10**	**12**
Total involving opioid(s)	18	8	8
% of Accidental and Indeterminate Deaths Involving Opioids	84%	89%	70%



Drug-Related Accidental Deaths, Grand Traverse County

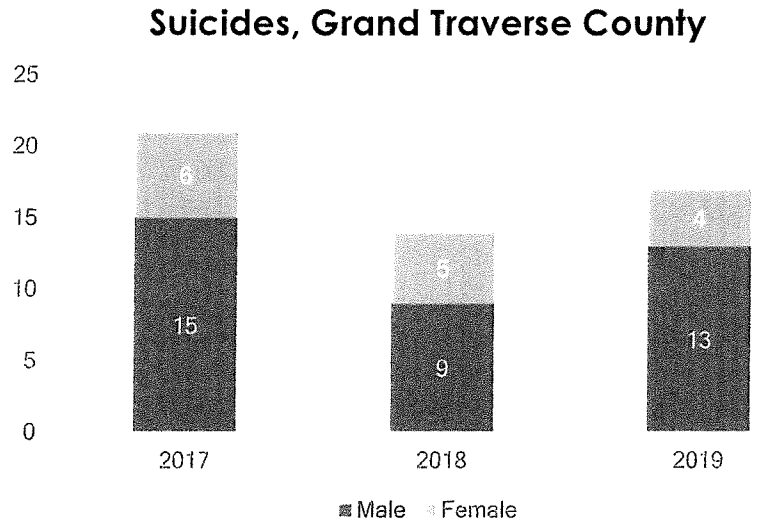
Age	Sex	Race	Zip Code of Death	Substances Contributing to Death	Opioid (Y/N)
25	F	W	49684	Fentanyl, methamphetamine	Y
25	M	W	49686	Alcohol, fentanyl	Y
26	M	W	49684	Alcohol	N
30	M	W	49690	Loperamide	Y
31	M	W	49620	Alcohol, alprazolam, fentanyl, morphine	Y
31	M	W	49684	Amphetamine, fentanyl, methamphetamine	Y
43	M	W	49696	Fentanyl, methadone, methamphetamine	Y
55	F	W	49686	Alcohol, venlafaxine	N
60	M	W	49685	Buprenorphine, chlorpheniramine, diazepam	Y
86	M	W	49684	Baclofen, gabapentin, levetiracetam, trazodone	N

Suicides, Grand Traverse County

Year	Total	Male	Female	0 - 17	18 - 64	26 – 44	45 - 64	65 +
2017	21	15	6	0	3	3	9	6
2018	14	9	5	2	1	6	5	0
2019	17	13	4	3	0	9	3	2

Suicides by Mechanism, Grand Traverse County

	2017	2018	2019
Firearm	11	5	9
Hanging	4	5	4
Carbon Monoxide	0	0	1
Drug Intoxication	4	1	2
Motor Vehicle	1	1	0
Sharp Force Trauma	1	1	0
Asphyxia/Suffocation	0	0	0
Other	0	1	1[1]
Total	**21**	**14**	**17**



[1] (1) Asphyxia due to displacement of oxygen by carbon dioxide and airway occlusion via plastic bag

KALAMAZOO COUNTY

Summary of All Kalamazoo County Cases

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Deaths in the County	2,582	2,540	2,668	2,684	2,733	2,879	2,840	2,977	2,911[1]
Deaths Reported to the ME	828	778	777	750	810	975	991	1,068	1,060
Deaths Investigated	N/A	556	580	560	646	745	733	782	781
MEI Scene Investigations	498	503	549	411	434	560	627	677	650
Death Certificates by ME	394	362	358	355	306	390	406	405	401
Bodies Transported to WMed	244	233	241	253	247	318	307	330	290
Complete Autopsy	178	187	193	174	142	192	189	187	180
Limited Autopsy	10	4	4	6	7	7	4	9	7
External Examination	50	34	37	37	52	60	64	68	62
Storage Only at WMed	6	8	7	36	46	59	50	62	41
Total Cases with Toxicology	198	212	222	198	174	222	238	238	224
Unidentified Remains After Exam	14	0	0	0	0	0	0	1	0
Referrals to Gift of Life	9	46	65	95	113	161	156	129	136
Tissue Donations	3	4	4	6	9	22	16	16	17
Cornea Donations	2	4	9	9	9	20	10	7	7
Unclaimed Investigations	14	9	7	10	10	10	13	41	40
Exhumations	0	0	0	0	0	1	0	0	0

Cremation Permit Authorizations, Kalamazoo County

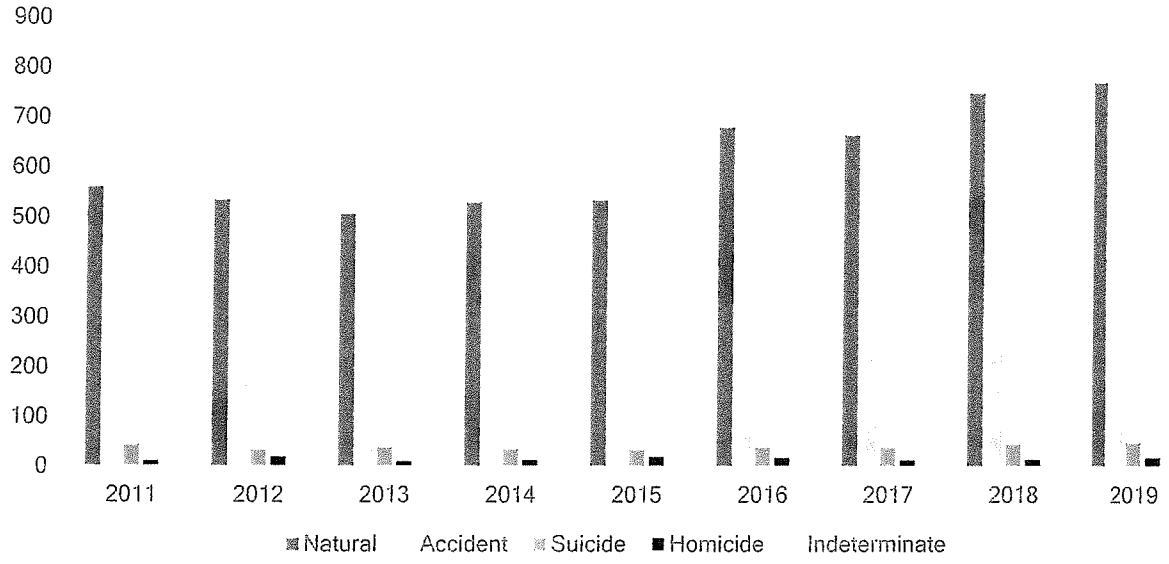
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cremation Permits	1,485	1,467	1,740	1,782	1,672	1,856	1,920	2,101	2,028
% of Total Deaths with Cremation	58%	58%	65%	66%	61%	64%	68%	71%	70%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Kalamazoo County

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Natural	561	535	508	530	588	681	666	750	771
Accident	194	167	200	158	151	222	252	238	207
Suicide	44	35	40	36	38	40	40	46	49
Homicide	12	20	11	14	14	18	14	15	19
Indeterminate	17	20	16	12	19	11	18	17	12
Total	**828**	**777**	**775**	**750**	**810**	**971**	**990**	**1066**	**1058**[1]

Manners of Death, Kalamazoo County



Deaths Reported by Age (in years), Kalamazoo County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2011	9	6	2	3	32	74	240	461
2012	12	4	3	7	34	79	235	403
2013	15	8	0	11	29	76	209	429
2014	9	3	5	5	29	61	239	399
2015	13	5	3	7	21	82	220	441
2016	4	5	3	12	37	95	269	494
2017	14	6	3	10	35	103	259	513

[1] Does not include (2) stillbirth investigations (cremation authorizations)

2018	13	5	1	9	23	97	297	571
2019	6	6	3	5	37	98	293	610

Pediatric Deaths, Kalamazoo County

The 20 deaths of individuals under 18 years of age include:

1. <1 year old
   a. (3) Sudden Unexplained Infant Death (SUID) associated with unsafe sleep; indeterminate
   b. (1) Sudden Unexplained Infant Death (SUID) associated with unsafe sleep, bronchiolitis, and bronchopneumonia; indeterminate
   c. (1) Complications of ileal atresia; natural
   d. (1) Positional asphyxia due to wedging; accident
2. 1-5 years old
   a. (1) Complications of multiple congenital anomalies; natural
   b. (1) Complications of congenital heart disease (truncus arteriosus); natural
   c. (1) Multiple injuries; homicide
   d. (1) Multiple injuries, passenger in horse drawn vehicle collision with motor vehicle; accident
   e. (1) Complications of Epstein-Barr virus Encephalitis; natural
   f. (1) Complications of atypical teratoid rhabdoid tumor; natural
3. 6-10 years old
   a. (1) Complications of megacolon; natural
   b. (2) Drowning, involuntary passenger in motor vehicle intentionally driven into river; homicide
4. 11-17 years old
   a. (3) Hanging; suicide
   b. (1) Hanging; indeterminate
   c. (1) Multiple blunt force injuries, motor vehicle collision while operating motorized bicycle; accident

Accidental Deaths by Mechanism, Kalamazoo County

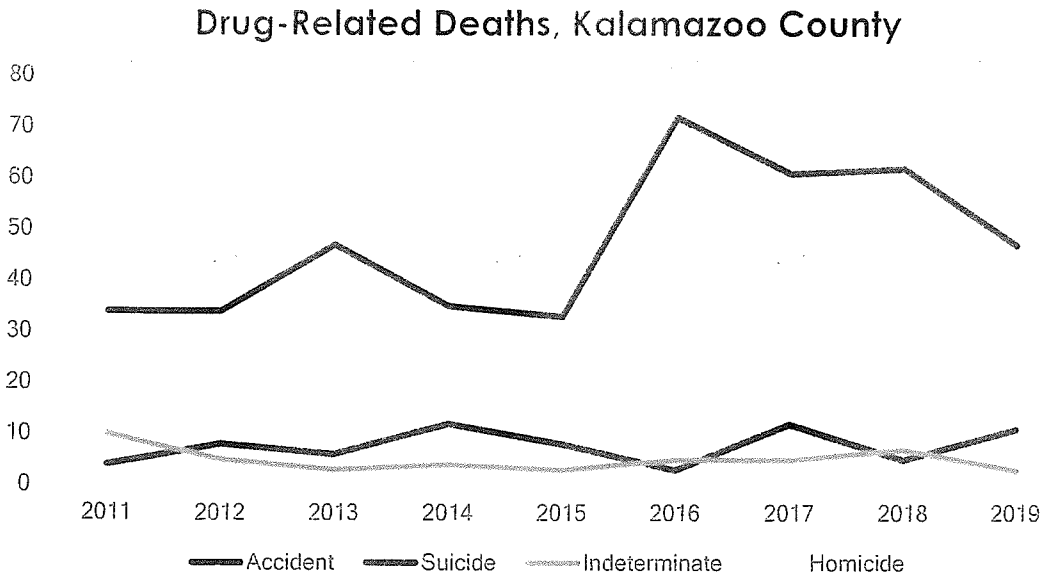
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Vehicle	46	48	60	35	46	58	72	51	45
Drug-Related	33	34	47	35	33	72	61	63	47
Drowning	5	2	2	3	1	4	7	9	5
Fall	92	67	76	77	57	80	92	100	85
Fire	5	2	8	3	3	4	5	4	5
Environmental Exposure	2	4	1	1	1	1	2	3	5
Asphyxia	6	3	4	2	7	3	6	6	12[1]
Other	6	7	3	4	3	1	7	3	3[2]
Total	**195**	**167**	**200**	**160**	**151**	**223**	**252**	**238**	**207**

Drug-Related Deaths by Manner, Kalamazoo County

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Accident	34	34	47	35	33	72	61	63	47
Suicide	4	8	6	12	8	3	12	5	11
Homicide	0	0	0	0	0	0	1	0	0
Indeterminate	10	5	3	4	3	5	5	7	3
Total	**48**	**47**	**56**	**51**	**44**	**80**	**79**	**75**	**61**
Total involving opioid(s)	N/A	N/A	N/A	N/A	30	64	59	51	32
% of Accidents and Indeterminate Deaths Involving Opioids	N/A	N/A	N/A	N/A	83%	82%	74%	73%	60%

[1] (9) Asphyxia due to choking; (2) Positional asphyxia; (1) Asphyxia due to wedging

[2] (1) Carbon monoxide inhalation; (1) Post-traumatic seizure disorder of unknown etiology due to multiple closed head injuries; (1) Multiple injuries due to compression by heavy machinery



Drug-Related Accidental & Indeterminate Deaths, Kalamazoo County

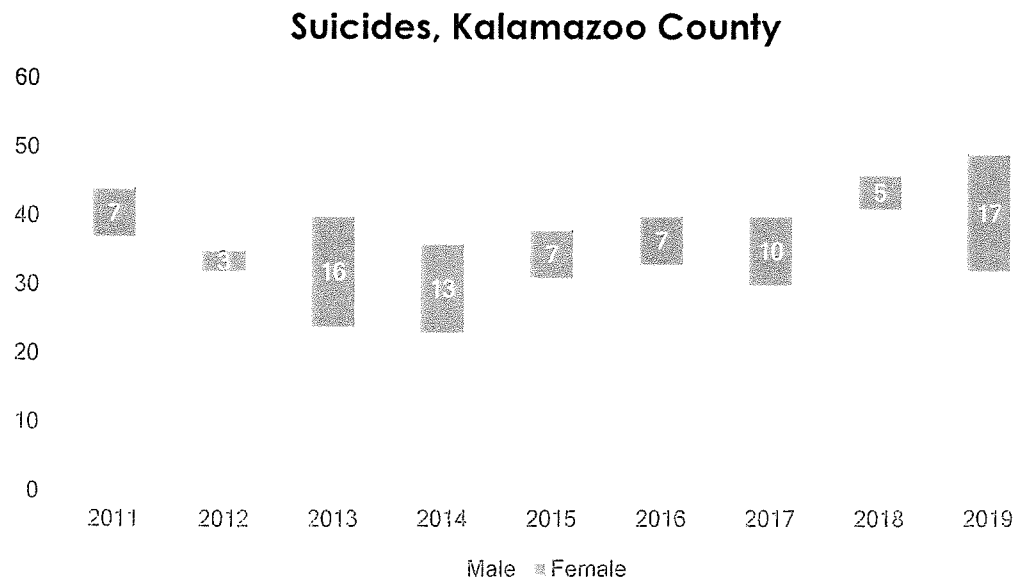
Age	Sex	Race	Zip Code of Death	Substances Contributing to Death	Opioid (Y/N)
20	F	W	49009	Alcohol, cocaethylene, cocaine, dextro/levo methorphan	N
22	F	W	49007	Heroin	Y
25	M	W	49007	Acetyl fentanyl, fentanyl, heroin	Y
25	M	H	49001	Fentanyl, xylazine	Y
25	M	W	49007	Methamphetamine	N
26	M	W	49048	Acetyl fentanyl, alprazolam, clonazepam, fentanyl, methamphetamine	Y
26	M	W	49007	Acetyl fentanyl, alcohol, fentanyl	Y
28	M	W	49048	Fentanyl, methamphetamine, mitragynine	Y
29	F	W	49007	Heroin	Y
29	M	W	49007	Fentanyl	Y
29	M	W	49024	Fentanyl, methadone, mitragynine, morphine	Y
29	M	W	49001	Methamphetamine	N
31	F	W	49048	Alcohol, fentanyl, methamphetamine	Y
32	M	W	49009	1,1-Difluoroethane	N
34	M	W	49083	Acetaminophen, alcohol, diphenhydramine, hydrocodone, mitragynine, prochlorperazine, trazodone, venlafaxine	Y
34	M	H	49007	Fentanyl, xylazine	Y
36	M	W	49001	Amphetamine, ephedrine, methamphetamine	N

38	F	W	49048	Alprazolam, diazepam, methadone	Y
38	M	W	49048	Methamphetamine	N
39	M	W	49048	Cocaine, methamphetamine	N
41	F	W	49002	Cocaethylene, cocaine, gabapentin, methadone, venlafaxine, zolpidem	Y
42	M	W	49001	Fentanyl, para-fluoroisobutyrylfentanyl	Y
43	F	W	49024	Alcohol, amlodipine, dextromethorphan, fluoxetine, lurasidone	N
43	F	W	49001	Acetyl fentanyl, alcohol, cocaine, fentanyl	Y
48	M	W	49007	Fentanyl, morphine	Y
48	M	W	49053	Acetyl fentanyl, fentanyl, methamphetamine	Y
49	F	W	49048	Methamphetamine	N
49	M	W	49009	Fentanyl, heroin, methamphetamine, methoxyacetylfentanyl	Y
49	F	W	49001	Methamphetamine, nordiazepam, trazodone	N
50	M	W	49009	Acetyl fentanyl, diazepam, diphenhydramine, fentanyl, trazodone	Y
51	F	W	49048	Fentanyl, methamphetamine	Y
52	M	W	49007	Methamphetamine	N
52	F	B	49001	Cocaethylene, cocaine, quetiapine	N
53	F	W	49024	Alcohol, diphenhydramine, fentanyl, heroin, nitrous oxide	Y
53	F	W	49004	Amphetamine, diazepam, 1,1-difluoroethane, hydrocodone, methamphetamine	Y
54	F	B	49007	Alcohol, cocaethylene, cocaine, diphenhydramine, fentanyl, hydrocodone, morphine	Y
54	M	W	49052	Methamphetamine	N
55	F	B	49048	Cocaine	N
56	M	H	49007	Acetyl fentanyl, alcohol, fentanyl, heroin, methamphetamine, xylazine	Y
57	M	W	49001	Fentanyl, methamphetamine	Y
57	F	B	49007	Acetyl fentanyl, cocaine, fentanyl, heroin, methamphetamine	Y
57	M	W	49007	Methamphetamine	N
60	F	B	49006	Cocaine	N
61	M	W	49048	Methamphetamine	N
61	M	W	49002	Alcohol, hydrocodone, methadone	Y
61	M	W	49048	Ephedrine, methamphetamine	N
64	M	B	49007	Acetyl fentanyl, cocaine, fentanyl, norfentanyl	Y
64	M	B	49048	Diphenhydramine, fentanyl, gabapentin, morphine, trazodone, xylazine	Y

67	M	W	49007	Methamphetamine	N
71	M	W	49048	Methamphetamine	N

Suicides, Kalamazoo County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2011	44	37	7	0	7	13	16	8
2012	35	32	3	1	3	11	12	8
2013	40	24	16	5	12	4	12	7
2014	36	23	13	0	7	12	10	7
2015	38	31	7	3	6	8	14	7
2016	40	33	7	3	7	13	12	5
2017	40	30	10	1	3	14	14	8
2018	46	41	5	2	9	11	11	13
2019	49	32	17	3	13	14	13	6



Suicides by Mechanism, Kalamazoo County

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Firearm	20	15	15	14	19	19	14	26	22
Hanging	12	8	13	7	9	13	12	13	12
Carbon Monoxide	2	1	0	0	1	2	0	0	0
Drug Intoxication	4	8	6	12	8	3	12	5	11
Motor Vehicle	0	0	1	1	1	0	0	0	2
Sharp Force Trauma	3	1	2	0	0	2	2	0	0
Asphyxia/Suffocation	1	1	3	1	0	0	0	1	1[1]
Other	1	1	0	1	0	1	0	1	1[2]
Total	**44**	**35**	**40**	**36**	**38**	**40**	**40**	**46**	**49**

[1] (1) Ligature strangulation
[2] (1) Drowning (drove into river)

LEELANAU COUNTY

Summary of All Leelanau County Cases

	2017	2018	2019
Total Deaths in the County	148	175	145[1]
Deaths Reported to the ME	39	46	33
Deaths Investigated	36	45	33
MEI Scene Investigations	24	41	28
Death Certificates by ME	21	15	13
Bodies Transported to Morgue	10	9	8
Complete Autopsy	9	7	6
Limited Autopsy	1	0	0
External Examination	0	2	2
Storage Only	0	0	0
Total Cases with Toxicology	10	8	8
Unidentified Remains After Exam	0	0	0
Referrals to Gift of Life	6	8	6
Tissue Donations	0	1	1
Cornea Donations	0	0	0
Unclaimed Investigations	0	0	0
Exhumations	0	0	0

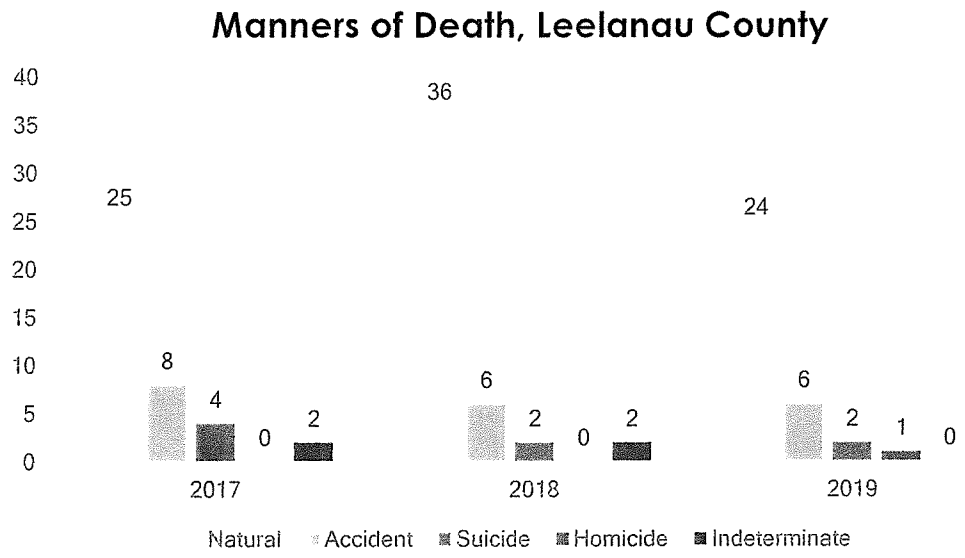
Cremation Permit Authorizations, Leelanau County

	2017	2018	2019
Cremation Permits	105	130	102
% of Total Deaths with Cremation	71%	74%	70%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Leelanau County

	2017	2018	2019
Natural	25	36	24
Accident	8	6	6
Suicide	4	2	2
Homicide	0	0	1
Indeterminate	2	2	0
Total	**39**	**46**	**33**



Deaths Reported by Age (in years), Leelanau County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2017	0	0	0	1	3	3	7	25
2018	0	0	1	0	1	3	7	34
2019	0	0	0	0	1	2	5	25

Accidental Deaths by Mechanism, Leelanau County

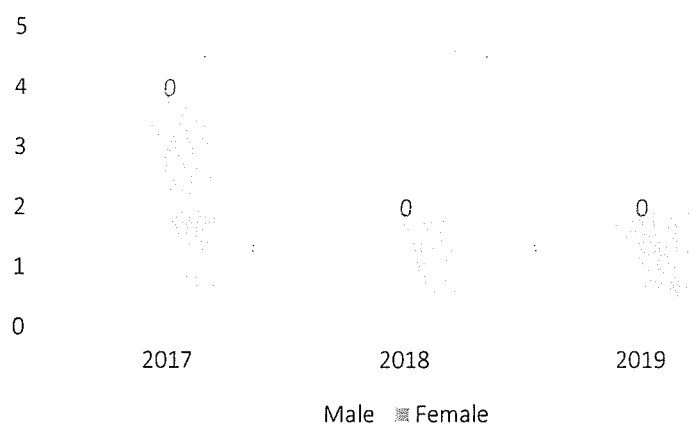
	2017	2018	2019
Vehicle	2	1	3
Drug-Related	1	1	0
Drowning	0	2	2
Fall	0	1	1
Fire	0	0	0
Environmental Exposure	0	0	0
Asphyxia	0	1	0
Other	1	0	0
Total	**4**	**6**	**6**

Drug-Related Deaths by Manner, Leelanau County

	2017	2018	2019
Accident	1	1	0
Suicide	0	0	0
Indeterminate	0	0	0
Total	**1**	**1**	**0**
Total involving opioid(s)	1	0	0
% of Accidents and Indeterminate Manners Involving Opioids	100%	0%	0%

Suicides, Leelanau County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2017	4	4	0	1	0	0	1	2
2018	2	2	0	0	0	0	0	2
2019	2	2	0	0	0	1	1	0



Suicides by Mechanism, Leelanau County

	2017	2018	2019
Firearm	2	2	2
Hanging	1	0	0
Carbon Monoxide	0	0	0
Drug Intoxication	0	0	0
Motor Vehicle	0	0	0
Sharp Force Trauma	0	0	0
Asphyxia/Suffocation	0	0	0
Other	1	0	0
Total	**4**	**2**	**2**

MASON COUNTY

Summary of All Mason County Cases

	2018	2019
Total Deaths in the County	311	287[1]
Deaths Reported to the ME	107	110
Deaths Investigated	92	93
MEI Scene Investigations	88	84
Death Certificates by ME	53	52
Bodies Transported to Morgue	37	34
Complete Autopsy	29	25
Limited Autopsy	0	0
External Examination	6	7
Storage Only	2	2
Total cases with Toxicology	32	31
Unidentified Remains After Exam	0	0
Referrals to Gift of Life	16	10
Tissue Donations	3	2
Cornea Donations	0	1
Unclaimed Investigations	1	0
Exhumations	0	0

Cremation Permit Authorizations, Mason County

	2018	2019
Cremation Permits	231	224
% of Total Deaths with Cremation	74%	78%

Manners of Death Reported, Mason County

2018 2019

[1] Provisional total number of deaths occurring in the county

Natural	84	82
Accident	16	24
Suicide	7	2
Homicide	0	1
Indeterminate	0	1[1]
Total	107	110

Deaths Reported by Age (in years), Mason County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2018	0	0	0	3	2	13	25	63
2019	0	0	0	1	5	7	30	67

Pediatric Deaths, Mason County

The one death of individuals under 18 years of age include:

1. 11-17 years old
   a. (1) Drowning; accident

Accidental Deaths by Mechanism, Mason County

	2018	2019
Vehicle	5	6
Drug-Related	7	2
Drowning	1	7
Fall	3	6
Fire	0	0
Environmental Exposure	0	3
Asphyxia	0	0
Other	0	0
Total	**16**	**24**

Suicides, Mason County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +

[1] (1) Mixed drug intoxication

2018	7	4	3	1	0	3	3	0
2019	2	1	1	0	1	1	0	0

Suicides by Mechanism, Mason County

	2018	2019
Firearm	2	2
Hanging	4	0
Carbon Monoxide	0	0
Drug Intoxication	1	0
Motor Vehicle	0	0
Sharp Force Trauma	0	0
Asphyxia/Suffocation	0	0
Other	0	0
Total	**7**	**2**

Drug-Related Deaths by Manner, Mason County

	2018	2019
Accident	7	2

Suicide	1	0
Indeterminate	0	1
Total	8	3
Total involving opioid(s)	4	1
% of Accidents and Indeterminate Deaths Involving Opioids	57%	33%

Drug-Related Accidental Deaths, Mason County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
37	F	W	49454	Gabapentin, hydrocodone, verapamil	Y
48	M	W	49431	Cocaine, methamphetamine	N
58	M	W	49410	Methamphetamine	N

MUSKEGON COUNTY

Summary of All Muskegon County Cases

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Deaths in the County	1,625	1,693	1,600	1,730	1,707	1,784	1,759	1,784	1,841	1,844[1]
Deaths Reported to the ME	544	440	481	527	524	605	585	629	662	670
Deaths Investigated	N/A	N/A	412	424	453	530	504	468	504	523
MEI Scene Investigations	353	310	384	420	444	501	469	425	463	467
Death Certificates by ME	213	201	203	216	228	251	231	234	235	248
Bodies Transported to Morgue	163	161	132	148	178	159	167	159	161	177
Complete Autopsy	135	122	106	120	144	120	114	108	117	134
Limited Autopsy	5	10	2	6	2	4	2	4	4	5
External Examination	22	21	22	18	18	35	41	43	35	30
Storage Only	1	8	2	4	4	0	10	4	4	8
Total Cases with Toxicology	147	153	119	142	152	160	136	140	147	160
Unidentified Remains After Exam	0	0	0	0	0	0	0	0	0	0
Referrals to Gift of Life	27	70	81	93	156	139	109	122	128	104
Tissue Donations	3	7	8	9	14	17	12	9	15	12
Cornea Donations	3	8	11	12	16	20	11	7	8	6
Unclaimed Investigations	0	4	4	3	6	5	7	12	15	14
Exhumations	0	0	0	0	0	0	0	0	0	0

[1] Provisional total number of deaths occurring in the county

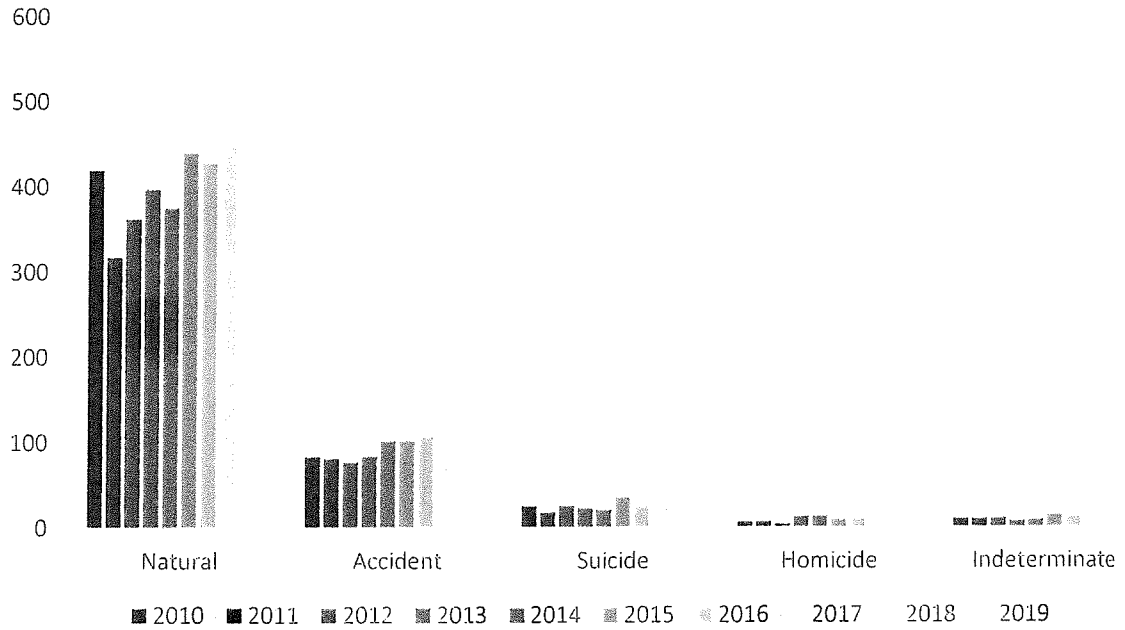
Cremation Permit Authorizations, Muskegon County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cremation Permits	893	812	952	986	1,007	1,116	1,138	1,188	1,264	1,383
% of Total Deaths with Cremation	55%	48%	60%	57%	59%	63%	65%	67%	68%	75%

Manners of Death Reported, Muskegon County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Natural	419	317	362	397	375	440	429	456	500[1]	480
Accident	83	81	77	84	102	103	107	116	107	137
Suicide	25	18	26	23	21	36	25	37	33	23
Homicide	6	7	4	13	14	10	11	12	16	17
Indeterminate	10	10	11	8	9	15	13	8	6	12
Total	**544**	**440**	**480**	**525**	**524**	**604**	**585**	**629**	**662**	**669[2]**

Manners of Death, Muskegon County



[1] Includes (17) stillbirth investigations (cremation permit authorizations)

[2] Does not include (1) stillbirth investigation (cremation authorization)

Deaths Reported by Age (in years), Muskegon County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2010	8	0	2	4	11	47	151	306
2011	3	1	1	4	14	59	134	217
2012	4	3	1	3	14	44	144	267
2013	5	0	0	4	13	48	170	286
2014	4	0	0	8	15	66	155	273
2015	9	1	2	2	24	61	199	304
2016	4	2	1	5	18	55	184	303
2017	3	1	0	8	14	81	168	344
2018	1	2	3	1	16	88	190	344
2019	2	0	0	1	22	74	177	393

Pediatric Deaths, Muskegon County

The three deaths of individuals under 18 years of age include:

1. <1 year old
   a. (1) Sudden Unexplained Infant Death (SUID) associated with unsafe sleep; indeterminate
   b. (1) Sudden Unexplained Infant Death (SUID) associated with unsafe sleep and viral bronchiolitis; indeterminate
2. 11-17 years old
   a. (1) Gunshot wound of head; homicide

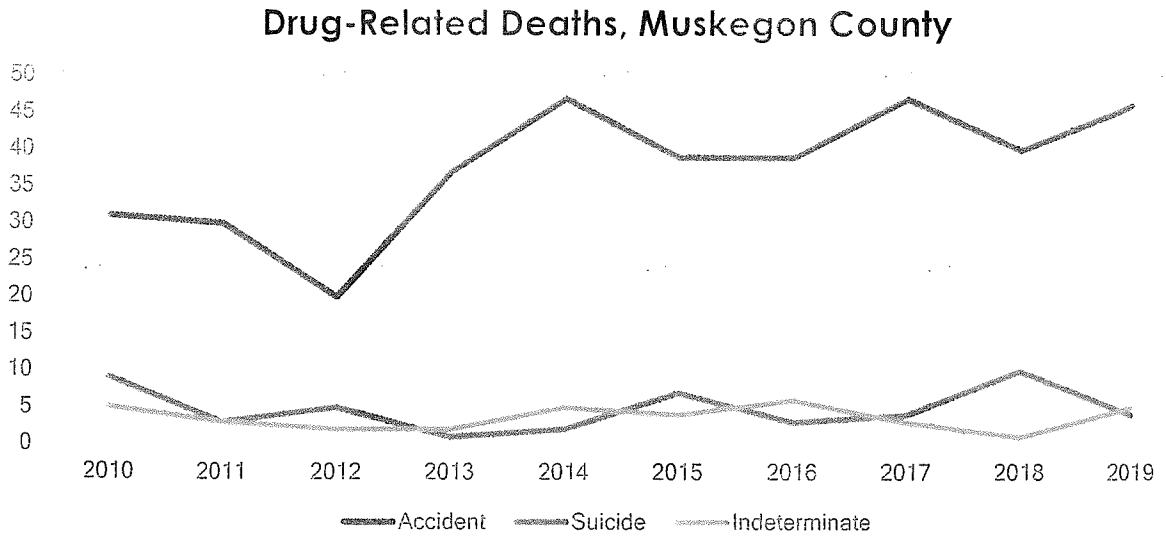
Accidental Deaths by Mechanism, Muskegon County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Vehicle	16	25	18	13	18	22	22	22	21	33[1]
Drug-Related	31	30	20	37	47	39	40	47	40	46
Drowning	3	4	4	4	4	4	2	4	2	5[2]
Fall	21	17	27	26	29	29	32	38	37	43
Fire	3	3	0	0	1	3	1	0	0	1
Environmental Exposure	0	0	0	0	1	1	4	0	1	2
Asphyxia	6	1	4	2	2	3	4	2	5	4[3]
Other	2	1	3	0	1	2	2	3	2	3[4]
Total	**82**	**81**	**76**	**82**	**103**	**103**	**107**	**116**	**107**	**137**

Drug-Related Deaths by Manner, Muskegon County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Accident	31	30	20	37	47	39	39	47	40	46
Suicide	9	3	5	1	2	7	3	4	10	4
Indeterminate	5	3	2	2	5	4	6	3	1	5
Total	**45**	**36**	**27**	**40**	**54**	**50**	**48**	**54**	**51**	**55**
Total involving opioid(s)	N/A	N/A	N/A	N/A	N/A	43	41	43	39	43
% of Accidents and Indeterminate Deaths Involving Opioids	N/A	N/A	N/A	N/A	N/A	95%	87%	84%	85%	84%

[1] Includes (1) Multiple injuries due to private airplane crash, pilot
[2] Includes (2) Drowning associated with mixed drug intoxication
[3] (2) Asphyxia due to choking; (2) Asphyxia due to hanging
[4] (1) Carbon monoxide intoxication; (1) Blunt force spine injury of presumed accidental trauma; (1) Exsanguination due to severed dialysis port catheters



Drug-Related Accidental & Indeterminate Deaths, Muskegon County

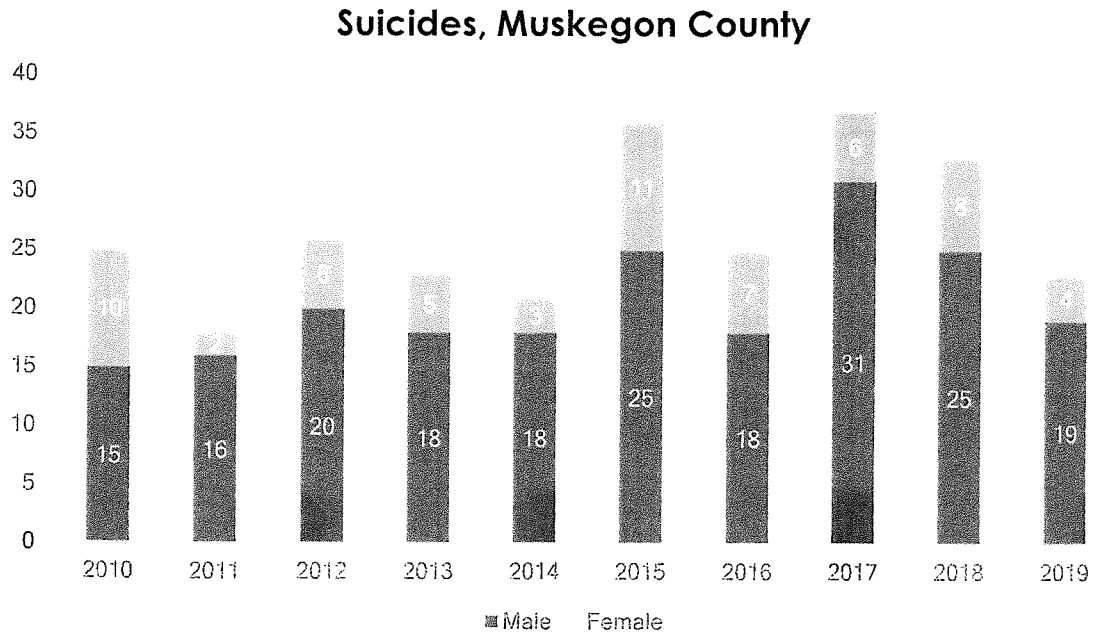
Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
18	M	W	49441	Clonazepam, fentanyl, heroin, valeryl fentanyl	Y
21	F	W	49457	Cocaine, fentanyl, heroin	Y
22	M	W	49442	Fentanyl, methamphetamine, methylenedioxymethamphetamine (MDMA)	Y
24	M	W	49442	Alprazolam, fentanyl, heroin, methadone	Y
25	M	W	49444	Clonazepam, fentanyl, heroin, methadone	Y
25	F	W	49461	Acetyl fentanyl, butyrylfentanyl, fentanyl	Y
26	M	W	49442	Fentanyl, morphine (suspected heroin)	Y
26	M	W	49444	Clonazepam, fentanyl, morphine	Y
27	M	W	49444	Amphetamine, fentanyl, methamphetamine, morphine, valeryl fentanyl	Y
28	M	B	49444	Alcohol, fentanyl, morphine	Y
28	F	W	49442	Acetyl fentanyl, alprazolam, fentanyl, methamphetamine	Y
29	M	B	49442	Cocaine, fentanyl	Y
31	M	B	49441	Heroin	Y
31	M	W	49440	Acetyl fentanyl, fentanyl, gabapentin, hydrocodone	Y
32	M	W	49442	Alcohol, cocaine, fentanyl	Y
33	M	W	49442	Acetyl fentanyl, cocaine, diphenhydramine, fentanyl, xylazine	Y
34	F	W	49444	Fentanyl	Y

34	M	W	49444	Alcohol, fentanyl, heroin	Y
34	M	W	49445	Alcohol, duloxetine, mirtazapine, quetiapine	N
35	M	W	49444	Acetyl fentanyl, cocaine, diphenhydramine, fentanyl	Y
35	M	W	49441	Cocaine, flualprazolam, heroin	Y
36	M	W	49442	Fentanyl, methamphetamine	Y
37	M	W	49425	Gabapentin, methadone, orphenadrine	Y
40	M	W	49444	Cocaine	N
41	M	W	49442	Alprazolam, heroin, hydromorphone	Y
42	M	W	49444	Fentanyl, heroin	Y
44	M	B	49441	Acetyl fentanyl, fentanyl, heroin, quetiapine	Y
44	M	W	49442	Acetyl fentanyl, alcohol, fentanyl	Y
47	M	W	49441	Fentanyl, heroin, U-47700	Y
47	M	W	49444	Methadone, temazepam	Y
48	M	W	49442	Alcohol, duloxetine, quetiapine	N
50	M	W	49444	Alcohol, fentanyl	Y
50	M	W	49441	Fentanyl	Y
50	F	B	49444	Diazepam, fentanyl, methadone	Y
50	M	W	49444	Amitriptyline, cocaine	N
51	M	W	49441	Alcohol, hydroxyzine, morphine, trazodone	Y
51	M	B	49442	Alcohol, amphetamine, fentanyl, methamphetamine	Y
52	F	B	49441	Alprazolam, diazepam, hydrocodone, methadone, pregabalin	Y
54	F	W	49442	Cocaine, cyclobenzaprine, fluoxetine, gabapentin, hydroxyzine	N
57	F	B	49442	Alcohol, methadone	Y
57	M	W	49444	Duloxetine	N
59	M	W	49440	Alprazolam, hydroxyzine, methadone, olanzapine	Y
59	M	W	49461	Hydrocodone, methamphetamine, morphine	Y
60	M	B	49441	Cocaine	N
62	F	W	49441	Alprazolam, fentanyl	Y
63	M	W	49444	Alcohol, fentanyl, heroin, U-47700	Y
66	M	B	49442	Acetyl fentanyl, fentanyl, heroin	Y
66	M	W	49441	Acetyl fentanyl, fentanyl, heroin, U-47700	Y

66	M	W	49461	Acetyl fentanyl, butyrylfentanyl, fentanyl	Y
68	M	W	49445	Methamphetamine	N
71	M	B	49444	Acetyl fentanyl, alcohol, cocaine, fentanyl	Y

Suicides, Muskegon County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2010	25	15	10	0	1	9	9	6
2011	18	16	2	2	1	7	5	3
2012	26	20	6	1	2	9	8	6
2013	23	18	5	0	2	10	7	4
2014	21	18	3	3	4	3	9	2
2015	36	25	11	0	7	10	8	11
2016	25	18	7	0	2	6	11	6
2017	37	31	6	3	4	10	15	5
2018	33	25	8	0	6	12	9	6
2019	23	19	4	0	3	8	8	4



Suicides by Mechanism, Muskegon County

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Firearm	9	10	13	9	10	11	15	19	14	13
Hanging	5	4	7	7	7	15	5	10	9	5
Carbon Monoxide	2	0	0	1	0	1	1	1	0	0
Drug Intoxication	9	3	5	1	3	7	2	4	7	4
Motor Vehicle	0	0	0	2	1	2	0	0	0	0
Sharp Force Trauma	0	0	0	3	0	2	1	0	0	1
Asphyxia/Suffocation	0	1	1	0	0	0	1	1	0	0
Other	0	0	0	0	0	0	0	2	3	0
Total	**25**	**18**	**26**	**23**	**21**	**36**	**25**	**37**	**33**	**23**

OSCEOLA COUNTY

Summary of Osceola County Cases

	2018[1]	2019
Total Deaths in the County	187	175[2]
Deaths Reported to the ME	62	72
Deaths Investigated	58	63
MEI Scene Investigations	55	62
Death Certificates by ME	31	29
Bodies Transported to Morgue	17	23
Complete Autopsy	12	12
Limited Autopsy	0	2
External Examination	4	7[3]
Storage Only	1	2
Total Cases with Toxicology	16	20
Unidentified Remains After Exam	1	1
Referrals to Gift of Life	10	16
Tissue Donations	1	1
Cornea Donations	1	1
Unclaimed Investigations	0	1
Exhumations	0	0

Cremation Permit Authorizations, Osceola County

	2018[4]	2019
Cremation Permits	86	128
% of Total Deaths with Cremation	46%	73%

[1] Data provided in this report includes January 1 to December 31, 2018, but WMed served as ME for only April 1 to December 31, 2018.
[2] Provisional total number of deaths occurring in the county
[3] Includes (1) unidentified skull investigated in 2018 but not examined until January of 2019
[4] Data includes only those cremation permits reviewed and approved at WMed

Manners of Death Reported, Osceola County

	2018	2019
Natural	44	54
Accident	13	12
Suicide	3	5
Homicide	0	1
Indeterminate	1	0
Total	**61**	**72**

Deaths Reported by Age (in years), Osceola County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2018	1	1	0	1	0	4	13	41
2019	0	1	1	3	0	5	20	42

Pediatric Deaths, Osceola County

The five deaths of individuals under 18 years of age include:

1. 1-5 years old
   a. (1) Complications of ornithine transcarbamylase deficiency; natural
2. 6-10 years old
   a. (1) Multiple injuries, pedestrian versus motor vehicle; accident
3. 11-17 years old
   a. (1) Complications of Cornelia de Lange syndrome; natural
   b. (1) Sepsis due to pyelonephritis; natural
   c. (1) Drowning; accident

Suicides, Osceola County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65+
2018	3	2	1	1	0	1	1	0
2019	5	5	0	0	0	1	3	1

Suicides by Mechanism, Osceola County

	2018	2019
Firearm	2	4
Hanging	1	1
Carbon Monoxide	0	0
Drug Intoxication	0	0
Motor Vehicle	0	0
Sharp Force Trauma	0	0
Asphyxia/Suffocation	0	0
Other	0	0
Total	**3**	**5**

Accidental Deaths by Mechanism, Osceola County

	2018	2019
Vehicle	4	6
Drug-Related	2	3
Drowning	0	2
Fall	3	0
Fire	0	0
Environmental Exposure	0	0
Asphyxia	2	1[1]
Other	2	0
Total	**13**	**12**

[1] (1) Pinned between car and tree, circumstances unclear

Drug-Related Deaths by Manner, Osceola County

	2018	2019
Accident	2	3
Suicide	0	0
Indeterminate	0	0
Total	**2**	**3**
Total involving opioid(s)	1	2
% of Accidents and Indeterminate Deaths Involving Opioids	50%	66%

Drug-Related Accidental Deaths, Osceola County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
30	M	W	49655	Alcohol, alprazolam, fentanyl	Y
46	F	W	49677	Diphenhydramine, methadone	Y
59	F	W	49665	Alprazolam, butalbital	N

ST. JOSEPH COUNTY

Summary of St. Joseph County Cases

	2017	2018	2019
Total Deaths in the County	508	530	506[1]
Deaths Reported to the ME	164	157	150
Deaths Investigated	155	150	145
MEI Scene Investigations	147	141	134
Death Certificates by ME	66	69	70
Bodies Transported to Morgue	56	67	61
Complete Autopsy	34	39	34
Limited Autopsy	1	2	3
External Examination	14	20	17
Storage Only	7	5	7
Total Cases with Toxicology	43	55	51
Unidentified Remains After Exam	2	0	1
Referrals to Gift of Life	53	45	41
Tissue Donations	7	6	6
Cornea Donations	2	3	4
Unclaimed Investigations	1	4	8
Exhumations	0	0	0

Cremation Permit Authorizations, St. Joseph County

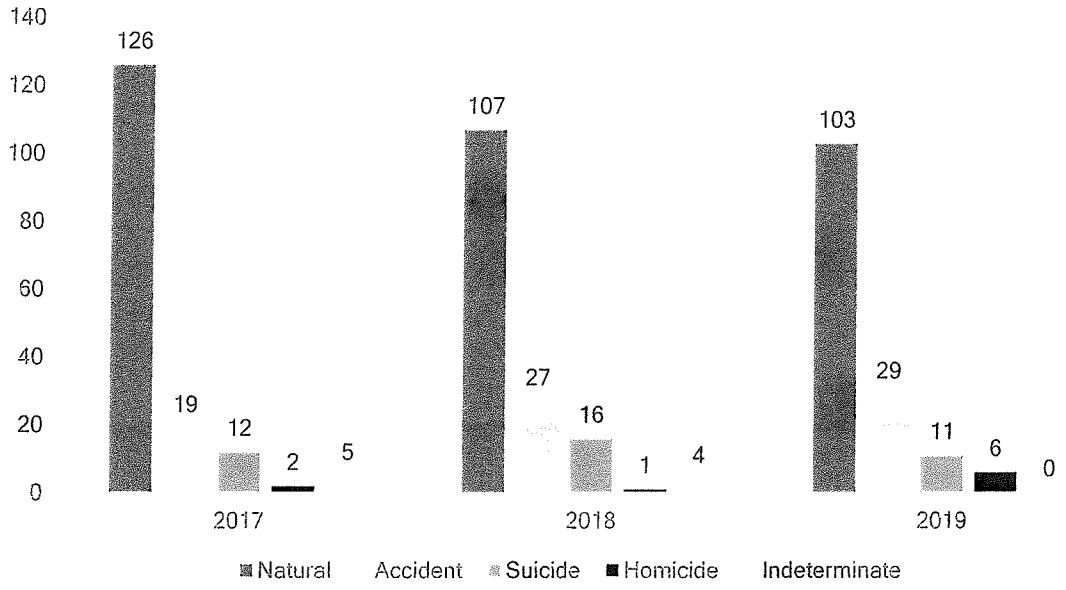
	2017	2018	2019
Cremation Permits	309	306	327
% of Total Deaths with Cremation	61%	58%	65%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, St. Joseph County

	2017	2018	2019
Natural	126	103	103
Accident	19	27	29
Suicide	12	16	11
Homicide	2	1	6
Indeterminate	5	4	0
Total	**164**	**151**	**149**

Manners of Death, St. Joseph County



Deaths Reported by Age (in years), St. Joseph County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2017	0	0	0	1	2	19	60	78
2018	3	2	1	3	9	17	46	70
2019	0	1	0	2	3	23	49	71

Pediatric Deaths, St. Joseph County

The three deaths of individuals under 18 years of age include:

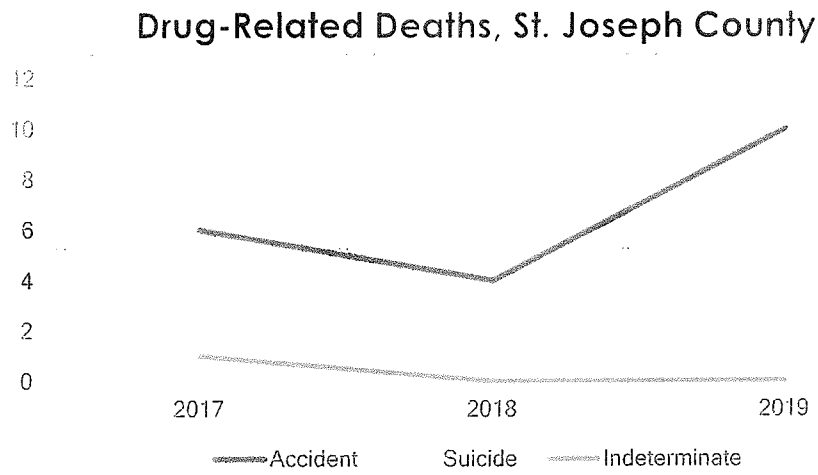
1. 1-5 years old
   a. (1) Drowning in pool; accident
2. 11-17 years old
   a. (1) Acute drug intoxication; suicide
   b. (1) Blunt force injuries, occupant of go-cart pulled by all-terrain vehicle in collision with fixed object; accident

Accidental Deaths by Mechanism, St. Joseph County

	2017	2018	2019
Vehicle	8	15	11
Drug-Related	6	4	10
Drowning	2	1	3
Fall	1	3	4
Fire	1	4	0
Environmental Exposure	0	0	1
Asphyxia	1	1	0
Other	0	0	0
Total	**19**	**27**	**29**

Drug-Related Deaths by Manner, St. Joseph County

	2017	2018	2019
Accident	6	4	10
Suicide	0	2	1
Indeterminate	1	0	0
Total	**7**	**6**	**11**
Total involving opioid(s)	6	4	4
% of Accidents and Indeterminate Deaths Involving Opioids	86%	75%	40%



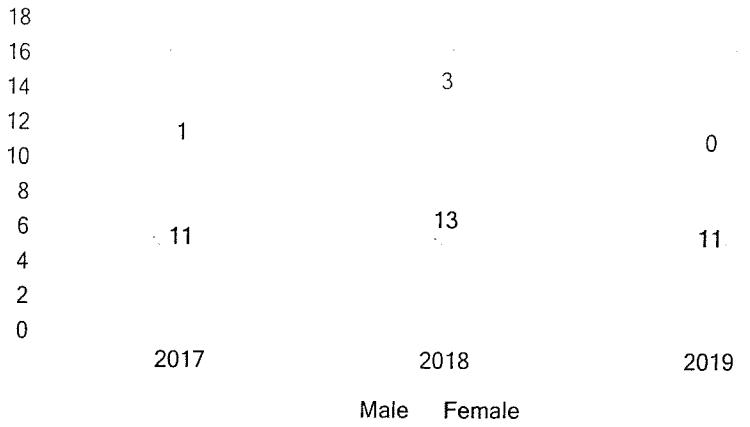
Drug-Related Accidental Deaths, St. Joseph County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
26	F	W	49072	Acetyl fentanyl, fentanyl, heroin	Y
36	F	W	49093	Alcohol	N
39	F	B	49093	Cocaine	N
45	F	W	49091	Clonazepam, desipramine, imipramine, mirtazapine, topiramate	N
51	F	W	49091	Cyclobenzaprine, diphenhydramine, hydrocodone, methamphetamine	Y
51	M	W	49093	Methamphetamine	N
55	M	W	49072	Alcohol, oxycodone	Y
56	M	W	49093	Methamphetamine	N
57	M	W	49093	Methamphetamine	N
58	M	W	49093	Diazepam, oxycodone	Y

Suicides, St. Joseph County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2017	12	11	1	0	1	6	3	2
2018	16	13	3	3	3	4	4	2
2019	11	11	0	1	1	5	2	2

Suicides, St. Joseph County



Suicides by Mechanism, St. Joseph County

	2017	2018	2019
Firearm	4	7	8
Hanging	5	6	1
Carbon Monoxide	3	0	1[1]
Drug Intoxication	0	2	1
Motor Vehicle	0	0	0
Sharp Force Trauma	0	0	0
Asphyxia/Suffocation	0	1	0
Other	0	0	0
Total	**12**	**16**	**11**

[1] (1) Carbon monoxide inhalation while acutely intoxicated

VAN BUREN COUNTY

Summary of Van Buren County Cases

	2018	2019
Total Deaths in the County	514	491[1]
Deaths Reported to the ME	162	180
Deaths Investigated	146	164
MEI Scene Investigations	142	158
Death Certificates by ME	61	74
Bodies Transported to Morgue	56	62
Complete Autopsy	31	40
Limited Autopsy	2	2
External Examination	20	15
Storage Only	3	5
Total Cases with Toxicology	44	53
Unidentified Remains After Exam	0	0
Referrals to Gift of Life	55	45
Tissue Donations	8	1
Cornea Donations	3	1
Unclaimed Investigations	2	3
Exhumations	1	0

Cremation Permit Authorizations, Van Buren County

	2018	2019
Cremation Permits	322	327
% of Total Deaths with Cremation	63%	67%

[1] Provisional total number of deaths occurring in the county

Manners of Death Reported, Van Buren County

	2018	2019
Natural	116	127
Accident	25	35
Suicide	16	9
Homicide	5	2
Indeterminate	0	6
Total	162	179[1]

Deaths Reported by Age (in years), Van Buren County

	< 1	1 - 5	6 - 10	11 - 17	18 - 25	26 - 44	45 - 64	65 +
2018	0	2	1	0	4	13	47	95
2019	0	1	0	1	6	20	52	99

Pediatric Deaths, Van Buren County

The two deaths of individuals under 18 years of age include:

1. 1-5 years old
   a. (1) Drowning in pool; accident
2. 6-10 years old
   a. (1) Drowning in lake; accident

[1] Does not include (1) stillbirth investigation (cremation authorization)

Accidental Deaths by Mechanism, Van Buren County

	2018	2019
Vehicle	8	9
Drug-Related	10	15
Drowning	1	2
Fall	4	5
Fire	0	0
Environmental Exposure	1	2
Asphyxia	1	1[1]
Other	0	1[2]
Total	**25**	**35**

Drug-Related Deaths by Manner, Van Buren County

	2018	2019
Accident	10	15
Suicide	1	1
Indeterminate	0	0
Total	**11**	**16**
Total involving opioid(s)	9	12
% of Accidents and Indeterminate Deaths Involving Opioids	90%	80%

Drug-Related Accidental Deaths, Van Buren County

Age	Sex	Race	Zip Code of Death	Substances contributing to death	Opioid (Y/N)
18	M	W	49071	Alcohol	N
21	M	H	49056	Alcohol	N
25	M	W	49045	Alcohol, cocaine, heroin	Y
28	F	W	49079	Fentanyl, methoxyacetylfentanyl, morphine	Y
36	M	W	49090	7-Aminoclonazepam, cocaine, fentanyl, heroin, methadone, methamphetamine, methylenedioxymethamphetamine (MDMA)	Y
39	F	W	49064	Diazepam, diphenhydramine, gabapentin, hydromorphone, morphine, oxycodone, promethazine, trazodone	Y

[1] (1) Asphyxia due to compression of trunk via heavy machinery
[2] (1) Carbon monoxide inhalation

39	M	W	49090	Diphenhydramine, fentanyl	Y
44	F	W	49043	Alprazolam, fentanyl, gabapentin, Heroin	Y
48	F	W	49090	Fentanyl, oxycodone	Y
52	M	W	49079	Diphenhydramine, fentanyl, flualprazolam, heroin	Y
53	M	B	49090	Hydrocodone	Y
56	M	W	49057	Diazepam, fentanyl, heroin, hydroxyzine, methamphetamine	Y
56	M	W	49090	Acetyl fentanyl, alcohol, fentanyl, heroin, methamphetamine	Y
64	M	W	49067	Methamphetamine	N
69	M	W	49090	Cyclobenzaprine, fentanyl, morphine, zolpidem	Y

Suicides, Van Buren County

Year	Total	Male	Female	0 - 17	18 - 25	26 - 44	45 - 64	65 +
2018	16	13	3	0	1	2	7	6
2019	9	6	3	0	0	4	1	4

Suicides by Mechanism, Van Buren County

	2018	2019
Firearm	11	5
Hanging	3	2
Carbon Monoxide	0	0
Drug Intoxication	1	1
Motor Vehicle	0	0
Sharp Force Trauma	0	1
Asphyxia/Suffocation	1	0
Other	0	0
Total	**16**	**9**

ADDITIONAL SERVICES & STATS

Division of Neuropathology

The Division of Neuropathology, led by Division Chief, Dr. Amanda Fisher-Hubbard, performs a wide range of examinations, including those of forensic cases from WMed and outside institutions/medical examiner offices, private examinations for concerned families, hospital consultations, and is involved in several research projects.

	WMed Forensic Cases	Consulting Forensic Cases	Hospital Specimens	Research Cases/Projects	Private Neuropathological Examinations	Total
2016	43	84	11	276	4	**418**
2017	79	83	3	404	9	**578**
2018	63	99	2	492	3	**659**
2019	41	59	2	530	2	**634**

Forensic Anthropology

Forensic Anthropology services are provided to all WMed Medical Examiner counties. These services include: human versus non-human bone identification; search and recovery of remains; comparative medical and dental radiography for the positive identification of remains; complete skeletal analyses to determine biological sex, age, ancestry and stature of skeletal remains; skeletal trauma reconstructions and analyses; and input and case management of unidentified individuals in the National Missing and Unidentified Persons System (NamUs).

	Radiographic Positive Identifications	Trauma Analyses	Recoveries	Non-Human	Biological Profile
2016	46	23	2	9	2
2017	79	7	5	8	5
2018	97	15	9	16	8
2019	76	14	11	20	5

Hospital/Private/Consultant Postmortem Examinations

Our office provides autopsy services to Bronson Healthcare Group and Spectrum Health Lakeland, private examinations to families searching for answers, and forensic autopsies to various counties in Michigan, including the Upper Peninsula, and northern Indiana.

	Hospital	Private	Consultant Counties (Forensic)	Total
2016	10	4	257	271
2017	7	16	201	224
2018	8	9	161	178
2019	10	3[1]	104	117

Referrals to organ procurement organization (Gift of Life Michigan), 2019

	Referrals to Gift of Life	Tissue Donations	Cornea Donations
Allegan	55	11	5
Barry	22	3	1
Berrien	80	7	4
Calhoun	72	6	3
Grand Traverse	43	1	0
Kalamazoo	136	17	7
Leelanau	6	1	0
Mason	10	2	1
Muskegon	104	12	6
Osceola	16	1	1
St. Joseph	41	6	4
Van Buren	45	1	1
Total	**630**	**68**	**33**

[1] Includes two neuropathology only examinations

Comparison of All Medical Examiner Serviced Counties, 2019

	[1]Total Population	Total Sq. Miles	Deaths in the County	Deaths Reported	Deaths Investigated	ME! Scene Investigations	DCs by ME	Cremation Permits	% Cremated	Unclaimed Investigations
Allegan	118,081	1,833	818	219	199	179	88	519	63%	8
Barry	61,550	577	398	121	108	103	54	251	63%	0
Berrien	153,401	1,581	1,622	430	399	353	152	1,045	64%	10
Calhoun	134,159	718	1,517	508	442	381	176	997	66%	29
Grand Traverse	93,088	601	1,341	384	278	212	131	1,077	80%	10
Kalamazoo	265,066	580	2,911	1,060	781	650	401	2,028	70%	40
Leelanau	21,761	2,532	145	33	33	28	13	102	70%	0
Mason	29,144	1,242	287	110	93	84	52	224	78%	0
Muskegon	173,566	1,459	1,844	670	523	467	248	1,383	75%	14
Osceola	23,460	573	175	72	63	62	29	128	73%	1
St. Joseph	60,964	521	506	150	145	134	70	327	65%	8
Van Buren	75,677	1,090	491	180	164	158	74	327	67%	3
Total	**1,209,917**	**13,307**	**12,055**	**3,937**	**3,228**	**2,811**	**1,488**	**8,408**	**N/A**	**123**

For all counties, about 33% of deaths are reported; jurisdiction is accepted, and deaths are investigated in about 27 % of the deaths in the counties. Complete autopsies are conducted in about 6% of all deaths within the county and in about 18% of deaths reported. A formal external or limited examination occurs in another 3% of deaths in the county. In total, a postmortem examination occurs in about 25% of deaths reported.

[1] Total county populations based on 2019 estimates by the US Census Bureau

Postmortem Examinations, 2019

	Complete Autopsies	% Complete Autopsies[1]	Limited Exams	External Exams	Total Postmortem Exams	% Postmortem Exams[2]	Cardiovascular Consults	Court Appearances[3]
Allegan	37	4.5%	3	21	61	7.4%	1	0
Barry	28	7.0%	2	8	38	9.5%	0	0
Berrien	90	5.5%	5	26	121	7.4%	1	6
Calhoun	81	5.3%	8	32	121	8.0%	0	7
Grand Traverse	52	3.9%	2	11	65	4.8%	1	1
Kalamazoo	180	6.2%	7	62	249	8.5%	0	8
Leelanau	6	4.1%	0	2	8	5.5%	0	0
Mason	25	8.7%	0	7	32	11.1%	0	2
Muskegon	134	7.3%	5	30	169	9.2%	0	4
Osceola	12	6.9%	2	7	21	12.0%	0	0
St. Joseph	34	6.7%	3	17	54	10.7%	0	2
Van Buren	40	8.1%	2	15	57	11.6%	0	1
Total	**719**	**6.18%**	**39**	**238**	**996**	**8.81%**	**3**	**31**

[1] Percent of all deaths in county with complete autopsies
[2] Percent of all deaths in county with a postmortem examination
[3] Court appearances refer to the number of times pathologists testified in court for a death or incident that occurred in the county listed; does not include depositions or pretrial meetings; consultant counties includes counties that we provided medical examiner services for in the past

Manners of Death, All Medical Examiner Serviced Counties, 2019

	Natural	Accident	Suicide	Homicide	Indeterminate	Total
Allegan	156	46	14	0	1	217
Barry	84	27	7	2	1	121
Berrien	321	71	21	8	9	430
Calhoun	383	88	26	4	5	506
Grand Traverse	275	75	17	6	4	377
Kalamazoo	771	207	49	19	12	1,058
Leelanau	24	6	2	1	0	33
Mason	82	24	2	1	1	110
Muskegon	480	137	23	17	12	669
Osceola	54	12	5	1	0	72
St. Joseph	103	29	11	6	0	149
Van Buren	127	35	9	2	6	179
Consultant Counties	35	46	5	8	9	103[1]
Total	**2,895**	**803**	**191**	**75**	**60**	**4,024**

[1] Does not include (1) mandible only

Significant Death Statistics, 2019

	Accidental Drug-Related Deaths	Indeterminate Drug-Related Deaths	Opioid-Related Deaths	Accidental Traffic-Related Deaths	Accidental Fall-Related Deaths
Allegan	17	0	13	9	12
Barry	5	1	4	11	4
Berrien	23	1	22	21	12
Calhoun	40	0	36	15	20
Grand Traverse	10	0	8	22	34
Kalamazoo	47	3	32	45	85
Leelanau	0	0	0	3	1
Mason	2	1	1	6	6
Muskegon	46	5	43	33	43
Osceola	3	0	2	6	0
St. Joseph	10	0	4	11	4
Van Buren	15	0	12	9	5
Total	**218**	**11**	**177**	**191**	**226**

R-12-21
Cass County
Park, Recreation, Open Space and Greenway Plan

WHEREAS, the Cass County Parks and Recreation Commission has undertaken the development of a 5-year Cass County 2021-2026 Community Park, Recreation, Open Space and Greenway Plan which describes the physical features, existing recreation facilities and an action plan to protect, maintain and enhance parks and recreation opportunity and maintain open space for agriculture, forestry, fish and wildlife habitat during the period between 2021 – 2026; and

WHEREAS, with the assistance of the various stakeholders, Cass County leadership and the Southwest Michigan Planning Commission, the Cass County Parks and Recreation Commission has developed a recreation plan which identifies the need for recreation areas, open spaces and greenways in Cass County and sets forth a program to develop and maintain these areas of focus within the county park system in order to meet these needs, and;

WHEREAS, following discussion at their January 14, 2021 meeting, the Cass County Parks and Recreation Commission passed a resolution in support of the 2021-2026 Community Park, Recreation, Open Space and Greenway Plan; and

WHEREAS, a second Public Hearing was held on Thursday, January 21, 2021 at 6:45 p.m. for residents to further express opinions, ask questions and discuss all aspects of the Plan; and

WHEREAS, following the Public Hearing the Cass County Board of Commissioners passed a resolution to adopt the 2021 – 2026 Community Park, Recreation, Open Space and Greenways Plan and recommend the plan be forwarded to the Michigan Department of Natural Resources for their approval; and

NOW THEREFORE BE IT RESOLVED, that the Cass County Board of Commissioners does hereby adopt the 2021 – 2026 Community Park, Recreation, Open Space and Greenway Plan as a guideline for improving recreation services for the benefit of Cass County residents and all who visit.

ADOPTED THIS 21st DAY OF JANUARY, 2021

Monica McMichael, Clerk
COUNTY OF CASS

Dwight Dyes, Chairperson
BOARD OF COMMISSIONERS

CASS COUNTY OFFICE OF SHERIFF

321 M-62 North, Cassopolis, MI 49031 ♦ www.ccso.info ♦ Administration: (269) 445-8644 ♦ Dispatch (269) 445-1560

RICHARD J. BEHNKE, Sheriff

CLINTON D. ROACH, Undersheriff

TO: Jeff Carmen, County Administrator
FROM: Sheriff Richard J. Behnke RB
DATE: January 14, 2021
RE: Vehicle Purchase for 2021

The Sheriff's Office is in need of an unmarked vehicle for use by plan clothes personnel. We are looking to replace a 2012 unit that is having repeated maintenance issues with a 2021 Ford Explorer XLT. We have received quotes from C. Wimberley Ford in Dowagiac and Gorno Ford who has the state purchase contract for this type of vehicle. C. Wimberley came in at a better price so I am recommending that they are awarded the bid.

C. Wimberley	$32,135
Gorno Ford (State purchase)	$36,953

This vehicle was budgeted for purchase in this year's budget and will come from the Motor Pool Fund and paid back through the Sheriff Office budget over a four year period.

Thanking you in advance for your assistance with this purchase. If you have any questions or concerns, please feel free to contact me.

attachments

AUTOMOTIVE GROUP
WIMBERLEY

Date January 13, 2021

Sales Guide GLENN OLSON

GUEST INFORMATION

Name COUNTY OF CASS

Address 321 M 62 N CASSOPOLIS MI, 49031

Home Phone 2694452481 Work Phone

E-Mail Address

VEHICLE DESCRIPTION

Year / Make / Model 2021 Ford Explorer 4WD Color Grey

Stock No. DT Miles 250 VIN DEALER TRADE

Option 'A' - Base Retail Payments Includes Rebates of $0.00

Down Payment

Fast, Friendly, Simple, Fair

Retail Value	$37,690.00
Savings	$3,290.00
Rebate	$0.00
Adjusted Sale Price	$34,400.00
Trade Value	$2,500.00
Trade Difference	$31,900.00
Fees	$235.00
Sales Sub Total	$32,135.00
Tax	$0.00
Trade Balance	$0.00
Net Sales Price	$32,135.00
Down Payment	$0.00
Balance Remaining	$32,135.00

*** Based on an Avg. A.P.R., 45 Days to 1st Payment*

Option 'B' - Base Lease Payments Includes Lease Cash of $0.00

_____ **Miles Per Year**

Down Payment

Guest Approval

Management Approval ***With Lender Approval**

Estimated payments based on average APR. Final terms of your loan may differ depending on actual terms of financial institution's acceptance and are negotiable. This is an offer to sell/purchase. See dealership Buyer's Order for final figures, terms and conditions.

Print window sticker

Disclaimer: This window sticker is only representative of the information contained on an actual window sticker, and may or may not match the actual window sticker on the vehicle itself. Please see your retailer for further information.

Vehicle Description VIN 1FMSK8DH1MG **A60329**

EXPLORER 4-DOOR
2021 4DR 4WD XLT
2.3L ECOBOOST I4 ENGINE
10-SPEED AUTO TRANSMISSION

Exterior
CARBONIZED GRAY METALLIC
Interior
EBONY INTERIORUNIQUE CLOTH

Standard Equipment INCLUDED AT NO EXTRA CHARGE

EXTERIOR
. EASY FUELÂ® CAPLESS FILLER
. LED SIGNATURE LIGHTING
HEATED WITH APPROACH LAMPS
. PRIVACY GLASS - REAR DOORS
. REAR SPOILER, BODY COLOR
. TAILLAMPS-LED
. VARIABLE INTERVAL WIPERS
INTERIOR
. 3RD ROW - 50/50 FOLD FLAT
. HEATED CLOTH FRONT SEATS
. LEATHER WRAPPED STR WHEEL
. POWER PASS SEAT - 4-WAY
. ROTARY GEAR SHIFT DIAL
W/WHEEL MOUNTED CONTROLS
. USB A(1)/C(1)-1ST/2ND ROWS
FUNCTIONAL
UNLOCK W/PUSH-BUTTON START
. BRAKES, 4-WHEEL DISC/ABS
. FORDPASS CONNECT 4GWI-FI
. HILL START ASSIST
. REVERSE SENSING SYSTEM
. SIDE-WIND STABILIZATION
. SYNCÂ®3 8" SCRN W/APPLINKÂ®
SAFETY/SECURITY
. AIRBAG-DRIVER/PASS KNEE
. AIRBAGS - FRONT SEAT
. AIRBAGS - SAFETY CANOPYÂ®
. LATCH CHILD SAFETY SYSTEM
. PERSONAL SAFETY SYSTEM
WARRANTY
. 5YR/60,000 POWERTRAIN
. DOOR HANDLES - BODY COLOR
. HEADLAMPS - AUTO LED
. MIRRORS-MAN-FOLD DUAL PWR
. POWER LIFTGATE
. REAR INT WIPER/WASH/DFRST
. ROOF-RACK SIDE RAILS-BLACK
. TRAILER SWAY CONTROL
. 1TOUCH UP/DOWN DR/PASS WIN
. DUAL ILLUM VIS VANITY MIRR
. IP CLUSTER 6.5" LCD SCREEN
. POWER DRIVER SEAT - 10 WAY
. POWERPOINTS - 12V
. TILT/TELESCOPING STEERING
. TRI-ZONE ELECTRNC TMP CTRL
. 4-DR INTELL ACCESS LOCK/
. AM/FM/MP3, 6 SPEAKERS
. FORD CO-PILOT360
HOTSPOT TELEMATICS MODEM
. REAR VIEW CAMERA
. SECURICODE KEYLESS KEYPAD
. SIRIUSXMÂ® - SVC N/A AK&HI
. ADVANCETRACÂ® WITH RSCÂ®
. AIRBAGS - DUAL STAGE FRONT
MOUNTED SIDE IMPACT
. INDIV TIRE PRESS MONIT SYS
. PERIMETER ALARM
. SOS POST-CRASH ALERT SYS
. 3YR/36,000 BUMPER / BUMPER
. 5YR/60,000 ROADSIDE ASSIST

Price Information	**MSRP**
STANDARD VEHICLE PRICE	**$36,000**

Included on this Vehicle
EQUIPMENT GROUP 200A

Optional Equipment

2021 MODEL YEAR	
CARBONIZED GRAY METALLIC	
EBONY UNIQUE CLOTH SEATS	
.18" 5-SPOKE PAINTED ALUM WHLS	
.2.3L ECOBOOST I4 ENGINE	
.10-SPEED AUTO TRANSMISSION	
.P255/65R18 A/S BSW TIRES	
JOB #2 ORDER	
4WD REGIONAL DISCOUNT	
FLR LNERS/CARPET MATS:RWS 1&2	200
50 STATE EMISSIONS	
CLASS III TRAILER TOW PACKAGE	545
FRONT LICENSE PLATE BRACKET	
TOTAL VEHICLE & OPTIONS	36,745
DESTINATION & DELIVERY	1,245
TOTAL BEFORE DISCOUNTS	37,990
4WD REGIONAL DISCOUNT	-300
TOTAL SAVINGS	**-300**
TOTAL MSRP	**$37,690**

Disclaimer: Option pricing will be blank for any item that is priced as 0 or "No Charge".



CITY MPG
20
HIGHWAY MPG
27

Estimated Annual Fuel Cost: $

Vehicle Engine Information

Actual mileage will vary with options, driving conditions, driving habits and vehicle's condition. Results reported to EPA indicate that the majority of vehicles with these estimates will achieve between _ and _ mpg in the city and between _ and _ mpg on the highway. **For Comparison Shopping** all vehicles classified as have been issued mileage ratings from _ to _ mpg city and _ to _ mpg highway.

Ford EXTENDED SERVICE PLAN

Ford Extended Service Plan is the ONLY service contract backed by Ford and honored by the Ford and Lincoln dealers. Ask your dealer for prices and additional details or see our website at www.Ford-ESP.com.

MICHIGAN CONTRACT

Robert K. Alderman
Gorno Ford
Bus: 734-671- 4017
ralderman@gornoford.com

CASS COUNTY SHERIFFS DEPT **ATT: CAPT TOM JACOBS** **1-12-21**
321 M62
CASSOPOLIS, MI 49031
(269) 445-1204
tomj@casscounty.org

2021 FORD EXPLORER 4X4 XLT (202A), (IN-STK#) CONTRACT# 071B7700181

VIN# 1FMSK8DH6MGB00968

ICONIC SILVER
EBONY ACTIVEX CLOTH INTERIOR
2.3L I4 ECOBOOST ENGINE
10 SPD TRANS
202A PACKAGE REMOTE START
8 WAY POWER PASEAT
18" ALUMINUM PAINTED WHEELS
P255 / 65R18 AS / BSW TIRES
POWER DOORS, LOCKS, WINDOWS, SIDE MIRRORS / MANUAL FOLD
CLASS III HITCH
3RD ROW FOLDS FLAT
REMOTE START
HEATED STEERING WHEEL
FLOOR LINERS, FRONT & SECOND ROW
HEATED SEATS
POWER LIFGATE
CRUISE CONTROL
DELIVERED TO CASSOPOLIS, MI.....$ 36,953.00

PENDING PRIOR SALE AND AVAILABILITY

R-14-21

BOARD OF COMMISSIONERS
COUNTY OF CASS, MICHIGAN

COUNTY FORECLOSED PROPERTY

WHEREAS, Cass County previously participated in the Community Development Block Grant Housing Rehabilitation Loan Program making loans for improvements secured by a Mortgage which must be repaid upon the sale of the subject property or failure to adhere to loan terms, and

WHEREAS, 276 East Main Street, Marcellus is an abandoned property and was foreclosed by the County to protect the interests of the original Loan, and

WHEREAS, The original mortgage and additional costs associated with its foreclosure total approximately $32,000.00, and,

WHEREAS, Signs were posted to determine interest and asking interested parties to contact with the County Finance Director, and,

WHEREAS, 10 expressions of interest were received with none interested in purchase for the original loan and costs, and,

WHEREAS, This property is in a significant state of deterioration and will require additional investment to make useable, and,

NOW THEREFORE BE IT RESOLVED that the Cass County Board of Commissioners approves the Sealed Bid Sale of 276 East Main Street, Marcellus, MI Parcel Number 14-051-541-003-00 with a minimum Bid required of $14,000 and further that bids will be accepted until 12 Noon February 18, 2021 and that all possible steps be taken to notify the public, the interested parties and adjoining property owners.

ADOPTED THIS 21ST DAY OF January 21, 2021

ATTEST:

_____ _____

Monica McMichael, Clerk/Register

Dwight Dyes, Chairperson
Cass County Board of Commissioners

ADVERTISEMENT FOR SEALED BIDS
FOR THE SALE OF REAL PROPERTY BY THE COUNTY OF CASS, MICHIGAN

276 East Main Street, Marcellus, Michigan 49067
Parcel Number 14-051-541-003-00

Minimum bid: $14,000

Sealed bids will be accepted until **12 noon on February 18, 2021**, and can be addressed to:
Rebecca Moore, CPA
Finance Director
120 N. Broadway, Suite 200
Cassopolis, MI 49031

The property will be accessible for viewing between the hours of 10 and 2 on February 9 and 12.
To obtain a copy of the Agreement of Purchase and Sale or any other inquiries please contact:
Rebecca Moore, CPA @ 269-445-4474.

AGREEMENT OF PURCHASE AND SALE

This Agreement of Purchase and Sale ("Agreement") is made this _____, 2021 ("Effective Date") between County of Cass, whose address is 120 North Broadway, Cassopolis, Michigan 49031 (collectively the "Seller") and _____, whose address is _____ (the "Buyer). Each Party shall be hereinafter referred to individually as a "Party" and collectively as the "Parties".

Background

This Agreement is based upon the following:

A. Seller is the owner of a residence located at 276 East Main Street, Marcellus, Michigan 49067, the legal description of which is attached to this Agreement as **Exhibit A** (the "Property").

B. Seller has agreed to sell and Buyer has agreed to purchase the Property on the terms and conditions herein set forth. The Property shall include all improvements and appurtenances located at the on the real estate, including, but not limited to, the following: lighting fixtures and their shades, drapery and curtain hardware, window shades and blinds, wall-to-wall carpeting, screens and storm windows and doors, stationary laundry tubs, water softener, water heater, heating and air conditioning equipment, water pump and pressure tank, mail box, all plantings and landscaping, wood burning stove, pool and pool accessories, and all appliances. The Property will also include any personal property, if any, located within th home.

C. Seller will sell the Property to Buyer on the terms herein.

Now, therefore, in consideration of the mutual covenants and promises contained herein, the Parties agree as follows:

Section 1
Purchase Price

1.1 Seller agrees to sell and Buyer agrees to purchase the Property pursuant to the terms and conditions contained in this Agreement. The total gross purchase price for the Property shall be _____ and 00/100 Dollars ($_____), which shall be paid at closing by cashier's check or wire transfer of immediately available funds to an account designated by Seller, plus or minus the various closing adjustments, pro rations, and credits set forth in this Agreement.

Section 7
Buyer's Warranties and Covenants

Buyer represents and warrants to Seller as follows:

7.1 The performance of the obligations of Buyer under this Agreement will not violate any contract, indenture, statute, ordinance, judicial or administrative order, or judgment applicable to Buyer.

7.2 There is no litigation or proceeding pending, or to the Buyer's knowledge, threatened, against or involving the Buyer, and the Buyer does not know or have any reason to know of any ground for any such litigation or proceeding, which could have an adverse impact on Seller or Seller's interest under this Agreement.

7.3 Except for any express representations and warranties set forth herein, Buyer agrees that Seller has made no representation or warranty whatsoever, express or implied, as to the condition, quantity, design, merchantability, fitness, or quality of the Property, or any portion thereof, and that Buyer shall rely on its own inspections and investigations with regard to all matters relating to the Property, including, without limitation, investigations of all matters relating to the condition of, or potential for, any improvements, utilities, Property lines, the presence of hazardous or toxic materials, all other physical, subsurface, or environmental conditions, possible encroachments, zoning matters or any other fact or condition relating to the Property. At closing, Buyer acknowledges that it has had the full and complete right to inspect and examine the Property to the full extent as Buyer desires, and agrees to accept the Property in "AS IS, WHERE IS AND WITH ALL FAULTS."

Section 8
Defaults

8.1 In the event that Buyer defaults in its obligation hereunder, Seller may, at its option: (a) specifically enforce the terms and conditions of this Agreement; and/or (b) exercise any other right or remedy, all which rights and remedies shall be cumulative.

8.2 In the event that Seller defaults in its obligations hereunder, Buyer may, at its option: (a) specifically enforce the terms and conditions of this Agreement; and/or (b) exercise any other right or remedy, all of which rights and remedies shall be cumulative.

Section 9
Land Division Act

9.1 Seller warrants that if any portion of the Property is unplatted property subject to Michigan's Land Division Act, Public Act 288, as amended (the "Act"), Seller represents and warrants to Buyer that the Property is a parent parcel or parent tract as defined under the Act, and that the sale of the Property to Buyer does need prior municipal approval as set forth under the Act. Buyer shall be entitled to all available divisions under the Act.

service. Notice shall also be deemed delivered on the day notice is sent by mail or email to other Party or its attorney. The physical and email addresses are the following:

If to Seller: County of Cass
120 North Broadway
Cassopolis, Michigan 49031

With a copy to: Kreis, Enderle, Hudgins & Borsos, P.C.
Attn: Jeffrey D. Swenarton
One Moorsbridge
P.O. Box 4010
Kalamazoo, Michigan 49003-4010

If to Buyer: _____
_____
_____
_____

12.3 The representations and warranties contained in this Agreement shall survive the closing of the transaction contemplated hereby.

12.4 This Agreement has been executed after negotiation and the opportunity by both Parties to have this Agreement reviewed and revised by legal counsel of said Party's choice. None of the provisions of this Agreement shall be interpreted or construed against a Party hereto solely by virtue of the fact that any such provision shall have been drafted by legal counsel representing such Party.

12.5 TIME IS OF THE ESSENCE HEREOF.

12.6 This document may be executed in one or more counterparts which when taken together shall be deemed to be one instrument, and facsimile or portable data format (PDF) copies of signatures on any such counterparts shall be deemed an original signature.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement on the day and year set forth below.

SELLER:

County of Cass

Dated: _____

_____
By:
Its:

EXHIBIT A

Village of Marcellus, County of Cass, and State of Michigan, legally described as:

Lot 3, Block 1 South, 2 East in the Original Plat of the Village of Marcellus.

Commonly known as: 276 E. Main Street, Marcellus, MI 49067

Property ID: 14-051-541-003-00

Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

Lead Warning Statement

Every purchaser of any interest in residential real property on which a residential dwelling was built prior to 1978 is notified that such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning. Lead poisoning in young children may produce permanent neurological damage, including learning disabilities, reduced intelligence quotient, behavioral problems, and impaired memory. Lead poisoning also poses a particular risk to pregnant women. The seller of any interest in residential real property is required to provide the buyer with any information on lead-based paint hazards from risk assessments or inspections in the seller's possession and notify the buyer of any known lead-based paint hazards. A risk assessment or inspection for possible lead-based paint hazards is recommended prior to purchase.

Seller's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) _____ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).

_____

(ii) X Seller has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the seller (check (i) or (ii) below):

(i) _____ Seller has provided the purchaser with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

_____

(ii) X Seller has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.

Purchaser's Acknowledgment (initial)

(c) _____ Purchaser has received copies of all information listed above.

(d) _____ Purchaser has received the pamphlet *Protect Your Family from Lead in Your Home.*

(e) Purchaser has (check (i) or (ii) below):

(i) _____ received a 10-day opportunity (or mutually agreed upon period) to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead-based paint hazards; or

(ii) _____ waived the opportunity to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead-based paint hazards.

Agent's Acknowledgment (initial)

(f) _____ Agent has informed the seller of the seller's obligations under 42 U.S.C. 4852(d) and is aware of his/her responsibility to ensure compliance.

Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

Cass County, Michigan		By:	
Seller	Date	Seller	Date
Purchaser	Date	Purchaser	Date
Agent	Date	Agent	Date

R-15-21

BOARD OF COMMISSIONERS
COUNTY OF CASS, MICHIGAN

Automation of Policy and Procedures for Law Enforcement and Corrections Divisions

WHEREAS, Policies and Procedures for County Law Enforcement and Jail Operations pose some of the highest risk in Cass County and we need to be ever alert that we have proper ones in place and that they are updated, known, and adhered to; and

WHEREAS, the Sheriff's Office has been working over the past two years on a project to make policy and procedures electronic as well as have the ability to update them as new laws are written and case law from the Courts informing these operations; and

WHEREAS, there were companies that were capable of electronically maintaining information but Lexipol is the only company that offers services to keep polices up to date; and

WHEREAS, The County Administrator verifies Lexipol as a Sole Source Vendor and the County Finance Director verifies the availability of funds,

NOW THEREFORE BE IT RESOLVED that the Cass County Board of Commissioners approves entering into an Agreement with Lexipol at a first-year cost of $60,906.75 with an annual fee in year 2 for maintenance and support.

ADOPTED THIS 21st DAY OF January 2021

ATTEST:

_____ _____

Monica McMichael, Clerk/Register

Dwight Dyes, Chairperson
Cass County Board of Commissioners

CASS COUNTY OFFICE OF SHERIFF

321 M-62 North, Cassopolis, MI 49031 ♦ www.ccso.info ♦ Administration: (269) 445-8644 ♦ Dispatch (269) 445-1560

RICHARD J. BEHNKE, Sheriff

CLINTON D. ROACH, Undersheriff

TO: Jeff Carmen, County Administrator
FROM: Sheriff Richard J. Behnke RB
DATE: January 14, 2021
RE: Lexipol

The Sheriff's Office has been researching automation of policy and procedures for the Patrol Division and Corrections Division. This has been a project for the Office over the past two years and has taken us in to a direction of not only making the policy and procedures electronic but having the ability to update them as new laws are written and case law from the Courts change the way we do business. It is a fact that the Policy and Procedure's for the Sheriff's Office operation pose some of the highest risk in the County. It is imperative we give it the attention it deserves and make sure our employees are following them as directed. Lexipol gives us the tools needed to make this possible.

There is one company that accomplishes these goals. Lexipol is a company that will assist in modernizing our policy and procedures in both divisions. They will then keep them updated by tracking Michigan Law and Court cases in Michigan and Federal to adjust as needed. Lexipol will also test employees on the policy and procedures on a weekly or biweekly basis to make sure they are up to date in the knowledge of the policies and procedures. When we were checking other companies for these services only Lexipol offers the service to keep policies up to date, while others did fit the need to electronically maintain the information. They also would test employee's knowledge but they stopped short of keeping track of case law and to update policies as they are occurring.

For these reasons Lexipol is considered a single source provider for this bid since others could not provide this much needed service. The bid included updating policies and procedures and making them available electronically. It also includes the service to keep track of needed changes to policies and procedures while testing the employee's knowledge. This is all included in the first year price of $60,906.75. Then Lexipol would be paid an annual fee for continuing this service as needed.

The funds for this project would come from the Jail Commissary Fund, Sheriff Non-Drug Forfeiture and Cass County Drug Enforcement. The amount would be based on the usage from each division;

Lexipol Law Enforcement Package	$31,532.25
Lexipol Corrections Package	$29,374.50
Total First year	$60,906.75
(Annual Maintenance for first year is included)	
Annual Maintenance Law Enforcement	$10,681.50
Annual Maintenance Corrections	$6,200.25

In the attached packet, you will note that Ottawa County Sheriff's Office has recently hired Lexipol for their policy and procedure. I've discussed with the Sheriff and he states they are very happy with the services provided by Lexipol. I am also aware of several other Sheriff Offices in Michigan that utilize the services of Lexipol, so we would not be the only Sheriff's Office to utilize this company.

Please consider this memo as a request for authorization to proceed with this much needed tool to ensure that our employees are up to date on policies and procedures at the Sheriff's Office. Thanking you in advance for your assistance with this request. If you have any questions, do not hesitate to contact me.

attachments

LEXIPOL

PROTECT YOUR COMMUNITY, MINIMIZE YOUR RISK

Special Policy Savings for Michigan Sheriff's Offices

Lexipol, the most trusted name in policy management and integrated policy training, is offering Michigan sheriff's offices a special opportunity.

From now until December 1 2020, Michigan law enforcement agencies are eligible to receive 25% off Lexipol's Michigan Law Enforcement and Corrections policy manuals.

Lexipol's solution provides:

- Michigan **state-specific law enforcement and corrections policies**
- **Regular policy updates** in response to changing laws, regulations, and evolving best practices
- Scenario-based **training** that reinforces agency-approved policies
- Editing capabilities to **customize your manual** to reflect your unique policies, mission and philosophy
- **Policy acknowledgement** tracking and archiving
- **Mobile app** – where you can access your policies direct on your smartphone 24/7
- **Implementation** support services

Now is the time to get up-to-date policies continuously updated with changing legislation and best practices. Mitigate your risk with policies and training available any time, anywhere.

For more information, to request sample policies or to schedule a demo of Lexipol's policy solutions, contact Michael Boutsen at 469-598-0218 or mboutsen@lexipol.com.



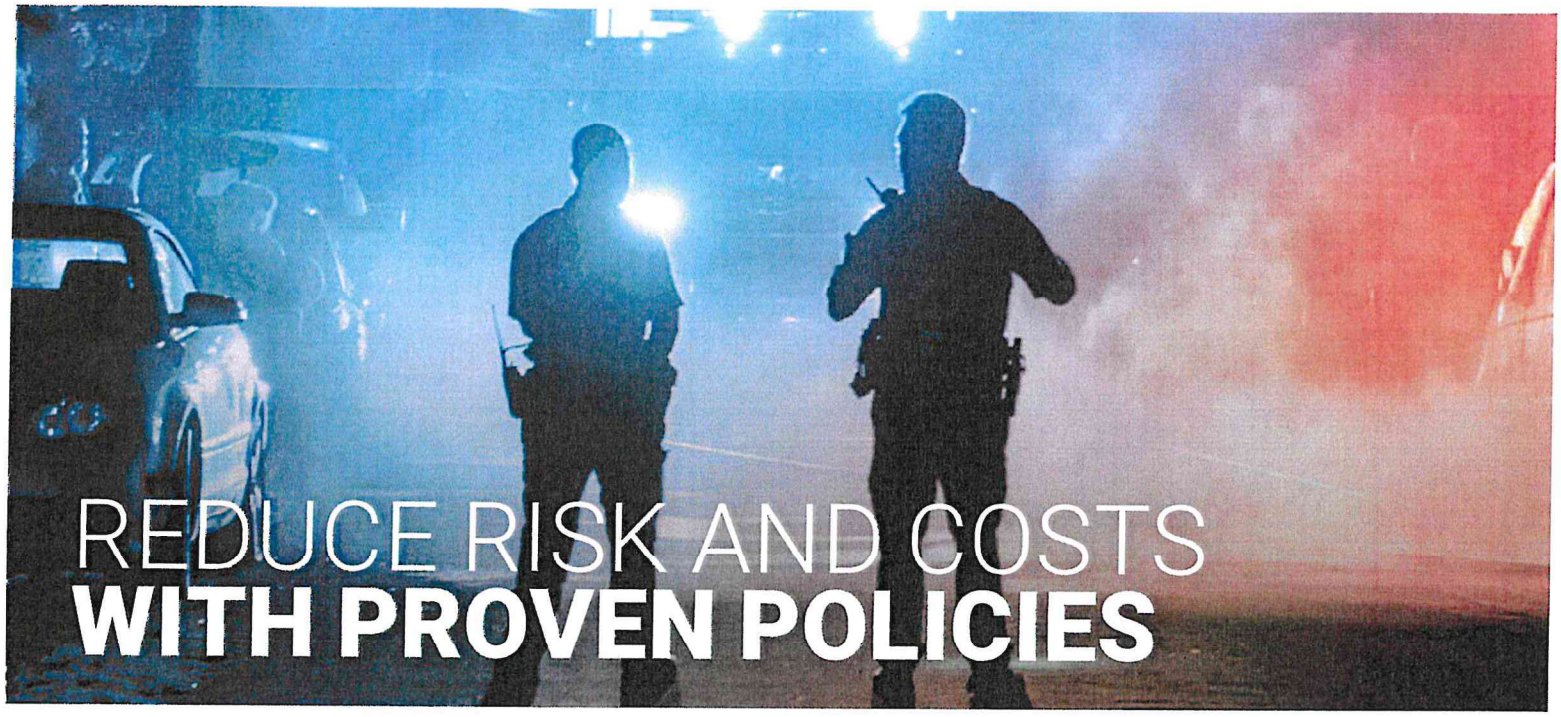
"In every tragedy there is always a proximate cause: the event that instantly preceded the tragedy. But if you go back in time and look for the root cause, all too often it comes down to a lack of good policy and a lack of good training."

Gordon Graham
Co-founder, Lexipol

"As the sheriff, you're always thinking about whether you have the right policies in place. Lexipol has taken that burden off our shoulders."

Sheriff Steve Kempker
Ottawa County Sheriff's Office (MI)

LEXIPOL
LAW ENFORCEMENT



REDUCE RISK AND COSTS WITH PROVEN POLICIES

Are Your Policies Putting You At Risk?

Operating a law enforcement agency brings countless challenges. Law enforcement leaders must keep up with frequent changes in laws and regulations, maintain positive community relations and ensure officer safety — all with reduced funding.

Many agencies rely on outdated, inadequate policies for guidance on these complex issues. And that in turn leaves them vulnerable to physical, financial and political risks.

Achieve Peace Of Mind With Lexipol

Lexipol's Law Enforcement Policies and Training solution provides:

- State-specific policies vetted by law enforcement professionals and public safety attorneys
- Updates in response to legislation, case law and evolving best practices
- Daily, scenario-based training to bring policy to life
- 24/7 access to your policies via a web-based platform and mobile app

Proven Results

After implementing Lexipol, Oregon agencies experienced...

45% Reduction in frequency of litigated claims

48% Reduction in severity of claims paid out

(Source: Citycounty Insurance Services)

Colorado member agencies that implemented Lexipol had...

37% Fewer claims

67% Lower incurred costs

(Source: Colorado Intergovernmental Risk Sharing Agency)

LEXIPOL
LAW ENFORCEMENT

Experience The Benefits Of Lexipol's Law Enforcement Services

Keep your personnel safe
Easy-to-understand policies and training provide consistent, clear guidance for officers to follow

Reduce liability
Policies that reflect federal and state laws and law enforcement best practices provide a strong legal defense

Improve policy understanding
Daily scenario-based training helps your personnel learn and apply your policies

Save time and money
Comprehensive, continuously updated policy content means you'll spend fewer resources on creating and maintaining your policies

Improve access to policy content
Your policy content is available anytime, anywhere through an online platform and mobile app

Enhance accountability
Reporting features let you track policy acknowledgment and training

Policies Designed To Protect

170+ policies covering high-risk areas for your department, including:

- Use of force
- Vehicle pursuits
- Body-worn cameras
- Social media
- Biased-based policing
- Standards of conduct
- Officer-involved shootings
- Search and seizure
- Mentally ill subjects
- Traffic operations
- Public recording of law enforcement activity

Trusted By More Than 3,000 Public Safety Agencies In 35 States



"Lexipol is the only provider that has policy that has been vetted by other chiefs, industry experts and lawyers. All you have to do is tailor the policies to your agency's needs."

Chief Steven Vaccaro
Mokena (IL) Police Department



"Calling Lexipol an insurance policy doesn't do it justice, because it doesn't capture the enormous power that partnering with Lexipol provides."

Sergeant Bryan Ward
Cumberland County (PA) Sheriff's Office

LEXIPOL
CASE STUDY



A POLICY PARTNERSHIP WITH LONG-TERM COST SAVINGS

OTTAWA COUNTY (MI) SHERIFF'S OFFICE

Located just west of Grand Rapids on the coast of Lake Michigan, the Ottawa County Sheriff's Office serves a rapidly growing community of more than 260,000 people. The agency, which includes 113 law enforcement officers and 74 corrections deputies, became a Lexipol customer in 2018.

THE CHALLENGE

After nearly 30 years with the Ottawa County Sheriff's Office (OCSO), Steve Kempker began his term as sheriff with an ambitious goal: revamp all the agency's road patrol, law enforcement and corrections policies and procedures.

"When I started back in 1989, our policies were in a one-inch three-ring binder; by the time I was elected sheriff, they had morphed into a four-inch D-ring binder," Sheriff Kempker says. "Years ago, we had good policy and procedure in place. But over time we created policies as a result of specific incidents, and we found we had inconsistent, outdated and sometimes duplicative policies."

Eager to get started on his goal, he set up two policy committees, one for the law enforcement side and one for the jail. But as he contemplated the committee reviewing all the agency's current policies and rewriting them, Sheriff Kempker realized it would require an enormous resource commitment—with no guarantee of success.

> "As the sheriff, you're always thinking about whether you have the right policies in place. Lexipol has taken that burden off our shoulders.

"I sat in the first meeting and I saw dollars and cents just sitting there," he says. "And with everyone from command officers to road patrol deputies writing policy and procedure, there was too much room for error, for not covering all the legal requirements or for injecting personal opinions into policy. Also, these people all have regular jobs and duties. I sat back and thought, this is ridiculous—it's going to cost so much and by the time it gets done, we're going to have to start all over because it's going to be outdated."

THE SOLUTION

As Sheriff Kempker looked around for other options, his research kept bringing him back to Lexipol's Michigan Law Enforcement and Corrections Policies and Training solutions.

"I met with the executive team, the county administrator and our in-house attorney to review the Lexipol products," he says. "We calculated our payroll and the number of hours it would take for us to do the work against what it would cost to bring in Lexipol,



and it was logical choice. I actually *slept* the night after we made the decision!"

A key factor in choosing Lexipol: the ability to tap Lexipol's Professional Services team for customized assistance in integrating the agency's current content into the Lexipol Michigan master policies.

"To have Lexipol take our current policy content—some of which needs to be updated—and run with it, is great," Sheriff Kempker says. "I like that I can submit a custom policy and Lexipol will work with us to get that in our manual."

The OCSO's vision statement stresses its commitment to "collaborating with our communities to identify and solve public safety problems." Sheriff Kempker sees Lexipol aligning neatly with that vision.

"To have a well-oiled and well-functioning agency, you have to have very good policy," he says. The agency has about 30 contracts with townships, cities and villages—all of whom, Sheriff Kempker notes, will benefit from the Lexipol partnership.

> "We calculated our payroll & the number of hours it would take against what it would cost to bring in Lexipol, & it was the logical choice.

THE RESULTS

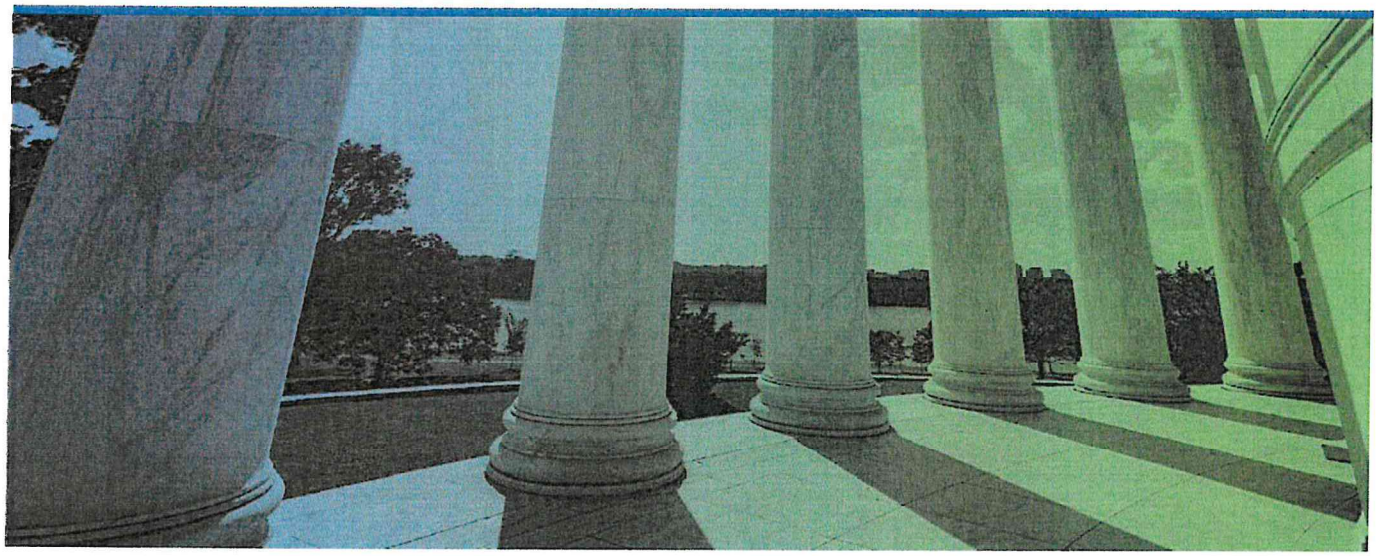
As OCSO continues to work through the policy implementation process, Sheriff Kempker is already seeing benefits. "The Lexipol policy content is spot-on; it covers the necessary legal requirements and best practices but without being wordy," he says. "Our policies are getting condensed down because Lexipol's content is clear and concise."

Sheriff Kempker also foresees long-term cost savings—from not having to tie up personnel in policy development and updating, and from avoiding expensive policy-based lawsuits. "If you have improper or inaccurate policy and it goes to litigation, it can be extremely costly," he says. "We have to have proper policies in place in event of a lawsuit and also have clear direction in the form of policies for our agency to follow."

With Lexipol, Sheriff Kempker now has confidence that's possible. "As the sheriff, you're always thinking about whether you have the right policies in place," he says. "Lexipol has taken that burden off our shoulders. In the long-run, this is the best thing for our agency, our county and our citizens."

LEXIPOL

SOLUTIONS PROPOSAL



PREPARED FOR:
Cass County Sheriff's Office - MI
Sheriff Richard Behnke
rickb@cassco.org
(269) 445-1201

PREPARED BY:
Karen James
kjames@lexipol.com
(949) 325-1230

2611 Internet Blvd, Ste 100
Frisco, Texas 75034
(844) 312-9500
www.lexipol.com

Executive Summary

Public safety agencies today face challenges of keeping personnel safe, reducing risk and maintaining a positive reputation. Add to that the dynamically changing legislative landscape and evolving best practices, and even the most progressive, forward-thinking departments can struggle to keep up.

Lexipol's solutions are designed to save you time and money while protecting your personnel and your community. Our team consists of professionals with expertise in public safety law, policy, training and grants. We coninually monitor changes and trends in legislation, case law and best practices to create policies, training and funding services that minimize risk and help you effectively serve your community.

THE LEXIPOL ADVANTAGE

Lexipol was founded by public safety experts who saw a need for a better, safer way to run a public safety agency. Since the company launch in 2003, Lexipol has grown to form an entire risk management solution for public safety and local government. Today, we serve more than 8,100 agencies and municipalities and 2 million public safety and government professionals with a range of informational and technological solutions to meet the challenges facing these dynamic industries. In addition to providing policy management, online training, and grant assistance, we provide 24/7 industry news and analysis through the digital communities Police1, FireRescue1, Corrections1, EMS1 and Gov1.

Our customers choose Lexipol to make an investment in the safety and security of their personnel, their agencies and their communities. We help agencies address issues that create substantial risk, including:

- Inconsistent and outdated polices
- Lack of technology to easily update and issue policies and training electronically
- Difficulty keeping up with new and changing legislation and practices
- Inability to produce policy acknowledgment and training documentation
- Ungamiliarity of city legal resources with the intricacies of public safety law
- The need to secure grant funding for critical equipment, infrastructure and personnel

Lexipol is bracked by the expertise of 320 employees with more than 2,075 years of combined experience in constitutional law, civil rights, ADA and discrimination, labor negotiations, Internal Affairs, use of force, hazmat, instructional design, federal and state grants and a whole lot more. That means no more trying to figure out policy, develop training content or secure funding on your own. You can draw on the experience of our dedicated team members who have researched, taught and lived these issues.
We look forward to working with Cass County Sheriff's Office - MI to address your unique challenges.

Scope of Services

Policy Manual

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Constitutionally sound, up-to-date policies are the foundation for consistent, safe public safety operations and are key to reducing risk and enhancing personnel and community safety. Lexipol's comprehensive policy manual covers all aspects of your agency's operations.

- More than 155 policies researched and written by public safety attorneys and subject matter experts
- Policies based on State and federal laws and regulations as well as nationwide best practices
- Content customized to reflect your agency's terminology and structure

Daily Training Bulletins (DTBs)

Even the best policy manual lacks effectiveness if it's not backed by training. Lexipol's Daily Training Bulletins are designed to help your personnel learn and apply your agency's policy content through 2-minute training exercises.

- Scenario-based training ties policy to real-world applications
- Understanding and retention of policy content is improved via a singular focus on one distinct aspect of the policy
- Each Daily Training Bulletin concludes with a question that confirms the user understood the training objective
- Daily Training Bulletins can be completed via computers or from smartphones, tablets or other mobile devices
- Reports show completion of Daily Training Bulletins by agency member and topic

Policy Updates

Lexipol's legal and content development teams continuously review state and federal laws and regulations, court decisions and evolving best practices. When needed, we create new and updated policies and provide them to your agency, making it simple and efficient to keep your policy content up to date.

- Updates delivered to you through Lexipol's web-based content delivery platform
- Changes presented in side-by-side comparison against existing policy so you can easily identify modifications/improvements
- Your agency can accept, reject or customize each update

Web-Based Delivery Platform and Mobile App (Knowledge Management System)

Lexipol's online content delivery platform, called KMS, provides secure storage and easy access to all your policy and training content, and our KMS mobile app facilitates staff use of policies and training completion.

- Ability to edit and customize content to reflect your agency's mission and philosophy
- Efficient distribution of policies, updates and training to staff
- Archival and easy retrieval of all versions of your agency's policy manual
- Mobile app provides in-the-field access to policy and training materials

Reports

Lexipol's Knowledge Management System provides intuitive reporting capabilities and easy-to-read reports that enhance command staff meetings and strategic planning.

- Track and report when your personnel have acknowledged policies and policy updates
- Produce reports showing completion of Daily Training Bulletins
- Sort reports by agency member, topic and other subgroups (e.g., shift, assignment)
- Reduce the time your supervisors spend verifying policy acknowledgement and training completion

Supplemental Publication Service

Lexipol's Supplemental Publication Service (SPS) streamlines the storage of your agency's content, giving you one place to access procedures, guidelines, general orders, training guides or secondary policy manuals.

- Electronically links department-specific procedural or supplemental content to your policy manual
- Provides electronic issuance and tracking for your agency's procedural or supplemental content
- Allows you to create Daily Training Bulletins against your procedural content
- Designed for standard operating guidelines, procedures, general orders or field guides

Law Enforcement Operations Procedures

To ensure consistent, effective and safe operations, a law enforcement agency's procedures should align with its policies and be accessible in an easy-to-understand format. Lexipol's Law Enforcement Procedure Guide and Framework, based on national best practices, gives you the guidance and a template to build such a procedure manual.

- More than 40 procedure guides designed to help you ensure your procedures follow important policy requirements and national best practices

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- Each procedure provides an editable template to conveniently author new content and merge existing agency content
- Procedures are aligned with Lexipol policy requirements to address the most important operations of a law enforcement agency
- Well-structured and policy-aligned procedures enhance preparation for accreditation assessments

Agency-Specific Content Extraction
This service is perfect for agencies that wish to populate one or more Supplemental Publication Service (SPS) manuals with their existing content. We'll do the heavy lifting of incorporating your agency's supplemental content (procedures, guidelines, general orders, training guide or a secondary policy manual) into the SPS. Access to an electronic copy of your existing content and a subscription to the Supplemental Publication Service (SPS) is required.

- Data entry of agency procedures or supplemental content into Lexipol's Knowledge Management System (KMS). Note: Lexipol reserves the right to limit the amount of content being imported into the SPS.
- Consistent, professional formatting for your agency's policy-related content
- Hyperlink related content for enhanced end-user experience

Standard Policy Cross-Reference
Making the transition to Lexipol starts with understanding how your agency's current policy content compares with Lexipol's master policy content. Our Standard Policy Cross-Reference service provides a logical method to distinguishing between the two.

- Analysis of your existing policies and procedures to identify content similar to Lexipol's state specific master content, as well as content unique to your jurisdiction and not covered within the Lexipol manual
- Your existing policies returned with annotations and tips to integrate into the Lexipol master content
- One-on-one review with your agency to discuss the cross-reference report

Implementation Policy Tier I: High-Risk Policies
Benefit from our proven, systematic approach to implementing polices. Tier I represents about 20% of the manual, including foundational policies necessary to provide structure and authority to your policy manual, as well as policies addressing high-risk, low-frequency and high-risk, high-frequency incidents. You'll receive one-on-one collaborative assistance to help you review, customize and adopt the policies efficiently and effectively.

Implementation Policy Tier II: High-Liability Policies
Benefit from our proven, systematic approach to implementing polices. Tier II represents about 20% of the manual, including policies that relate to common day-to-day calls for service that have a higher level of potential liability. You'll receive one-on-one collaborative assistance to help you review, customize and adopt the policies efficiently and effectively.

Implementation Policy Tier III: Daily Operations Policies
Benefit from our proven, systematic approach to implementing polices. Tier III represents about 20% of the manual, including policies needed for orderly daily operations of your organization. You'll receive one-on-one collaborative assistance to help you review, customize and adopt the policies efficiently and effectively.

Implementation Policy Tier IV: Defensibility Policies
Benefit from our proven, systematic approach to implementing polices. Tier IV represents about 20% of the manual, including policies essential to agency and agency member defensibility, including civil liability-related topics. You'll receive one-on-one collaborative assistance to help you review, customize and adopt the policies efficiently and effectively.

Implementation Policy Tier V: Operational Consistency Policies
Benefit from our proven, systematic approach to implementing polices. Tier V represents about 20% of the manual, including policies needed to ensure operational consistency across your organization. You'll receive one-on-one collaborative assistance to help you review, customize and adopt the policies efficiently and effectively.

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Proposal

Prepared By: Karen James
Phone: (949) 325-1230
Email: kjames@lexipol.com

Quote #: Q-12576-3
Date: 10/9/2020
Valid Through: 1/29/2021

Overview

Lexipol is the nation's leading content, policy and training platform for public safety and local government, with a suite of online services dedicated to reducing risk and improving safety. Our solutions encompass policies, training, funding assistance, and news and analysis. The services proposed below are designed to meet your agency's specific goals and needs.

QTY	DESCRIPTION	UNIT PRICE	DISC	DISC AMT	EXTENDED
1	Annual Law Enforcement Policy Manual & Daily Training Bulletins w/Supplemental Publication Service w/ Procedures (12 Months)	USD 14,242.00	25%	USD 3,560.50	USD 10,681.50
1	Annual Corrections Policy Manual & Daily Training Bulletins w/Supplemental Publication Service (12 Months)	USD 8,267.00	25%	USD 2,066.75	USD 6,200.25
	Subscription Line Items Total			**USD 5,627.25**	**USD 16,881.75**
1	Law Enforcement Standard Policy Cross-Reference (12 Months)	USD 3,315.00	25%	USD 828.75	USD 2,486.25
1	Law Enforcement Agency-Specific Content Extraction (12 Months)	USD 2,195.00	100%	USD 2,195.00	USD 0.00
1	Law Enforcement Tier I Implementation	USD 7,245.00	25%	USD 1,811.25	USD 5,433.75
1	Law Enforcement Tier II Implementation	USD 4,341.00	25%	USD 1,085.25	USD 3,255.75
1	Law Enforcement Tier III Implementation	USD 3,917.00	25%	USD 979.25	USD 2,937.75
1	Law Enforcement Tier IV Implementation	USD 5,388.00	25%	USD 1,347.00	USD 4,041.00
1	Law Enforcement Tier V Implementation	USD 3,595.00	25%	USD 898.75	USD 2,696.25
1	Corrections Standard Policy Cross-Reference	USD 3,385.00	25%	USD 846.25	USD 2,538.75
1	Corrections Agency-Specific Content Extraction	USD 2,195.00	100%	USD 2,195.00	USD 0.00
1	Corrections Tier I Implementation	USD 6,043.00	25%	USD 1,510.75	USD 4,532.25
1	Corrections Tier II Implementation	USD 6,117.00	25%	USD 1,529.25	USD 4,587.75
1	Corrections Tier III Implementation	USD 7,682.00	25%	USD 1,920.50	USD 5,761.50
1	Corrections Tier IV Implementation	USD 3,458.00	25%	USD 864.50	USD 2,593.50
1	Corrections Tier V Implementation	USD 4,214.00	25%	USD 1,053.50	USD 3,160.50

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QTY	DESCRIPTION	UNIT PRICE	DISC	DISC AMT	EXTENDED
	One-Time Line Items Total			USD 19,065.00	USD 44,025.00
				USD 24,692.25	USD 60,906.75
				Discount:	USD 24,692.25
				TOTAL:	USD 60,906.75

*Law Enforcement Policy pricing is based on 32 Law Enforcement Sworn Officers. Law Enforcement Cross Reference Professional Services pricing is based on 350 pages. Custody Policy pricing is based on 80 Custody Beds. Custody Cross Reference Professional Services pricing is based on 350 pages.

Notes
LE subscription pricing based on 32 (and up to 35) FT sworn. Corrections subscription pricing based on 80 beds and 23 FT jail personnel.

Discount Notes
Michigan 2020 Promo Discount. Year 1: 25% subscription discount and 25% professional services (implementation) discount. Year 2: 20% subscription discount; Year 3: 15% subscription discount. P1 Academy discount (15%) will apply in subsequent years, if eligible (valid with concurrent P1 Academy subscription). Michigan 2020 Promo Offer valid only if agency starts with Lexipol on or before 1/29/2020. Extraction Discount: 100% discount on Content Extraction with purchase of Tiers 1 thru 5 - Full Implementation ($2,195 value).

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January Meeting Dates/Times

Townships	**Date**	**Time**	**How**
Calvin	01/12/21	6:00 PM	In Person
Howard	01/19/21	7:00 PM	In Person
Jefferson	01/14/21	6:30 PM	Zoom
LaGrange	01/18/21	7:00 PM	**Covid Uncertainty-contact Supervisor 269-445-0625**
Marcellus	01/19/21	6:00 PM	In Person
Mason	01/12/21	7:00 PM	Zoom
Milton	01/12/21	7:00 PM	Cancelled
Newberg	01/11/21	7:00 PM	Zoom
Ontwa	01/11/21	7:00 PM	Zoom
Penn	01/11/21	6:30 PM	**Covid Uncertainty-contact Supervisor 269-506-6187**
Pokagon	01/13/21	7:00 PM	In Person
Porter	01/12/21	7:00 PM	In Person
Silver Creek	01/13/21	7:00 PM	Zoom
Volinia	01/11/21	6:30 PM	In Person
Wayne	01/04/21	7:00 PM	Cancelled
City of Dowagiac			
	01/11/21	7:00 PM	In Person
	01/25/21	7:00 PM	In Person
Villages			
Cassopolis	01/11/21	6:30 PM	In Person
Edwardsburg	01/18/21	7:00 PM	In Person
Marcellus	01/12/21	7:00 PM	In Person
	01/26/21	7:00 PM	In Person
Vandalia	01/11/21	7:00 PM	In Person
Boards & Commissions			
Cass District Library	01/18/21	7:00 PM	Zoom
Cass County Cons Dist	01/11/21	3:00 PM	Zoom
Economic Dev Corp	01/21/21	8:30 AM	Zoom
Historical Commission	01/14/21	5:00 PM	Zoom
Medical Care Facility	01/21/21	9:00 AM	Zoom
Parks Board	01/14/21	9:00 AM	In Person
Planning Commission	01/27/21	4:00 PM	On Hiatus
Road Commission	01/28/21	9:00 AM	Zoom
Transportation	01/11/21	8:00 AM	In Person
Woodlands	01/25/21	4:00 PM	Zoom

DUE TO COVID THERE ARE TIMES A VILLAGE OR TOWNSHIP WILL CANCEL W/SHORT NOTICE