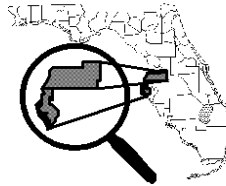


MEDICAL EXAMINER
District Six

Pasco & Pinellas Counties



10900 Ulmerton Road
Largo, FL 33778
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www.pinellascounty.org/forensics

YEAR 2018

MEDICAL EXAMINER

ANNUAL REPORT

Published 7/01/2019

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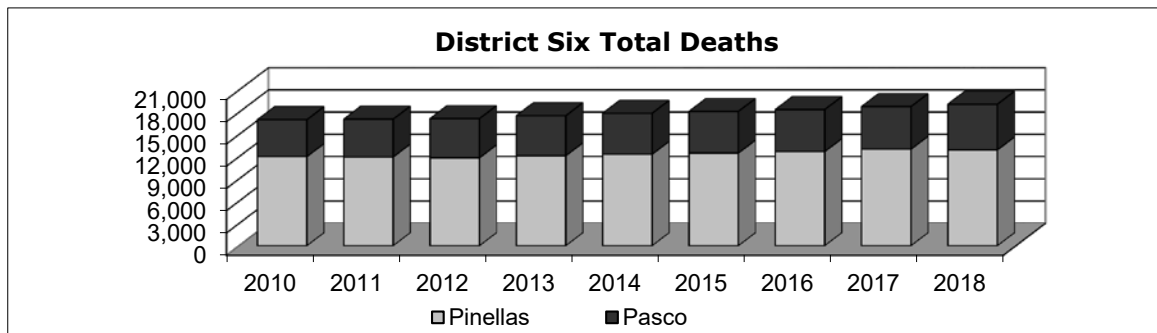
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	2010	2011	2012	2013	2014	2015	2016	2017	2018
Population *									
Pinellas	916,542	917,398	920,381	926,610	933,258	944,971	954,569	962,003	970,532
Pasco	464,697	466,457	468,562	473,566	479,340	487,588	495,868	505,709	515,007
Total	1,381,239	1,383,855	1,388,943	1,400,176	1,412,598	1,432,559	1,450,437	1,467,712	1,485,539

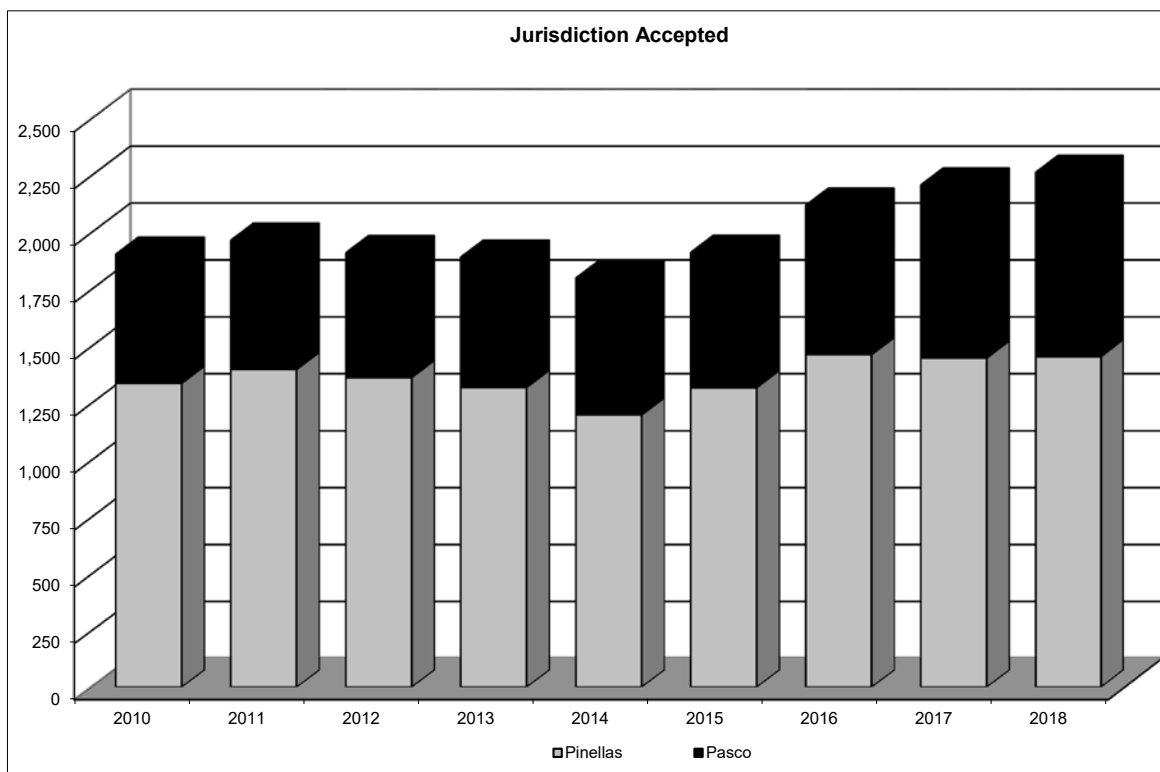
* SOURCE: University of Florida Bureau of Economic and Business Research. (<http://www.bebr.ufl.edu/population>)

	2010	2011	2012	2013	2014	2015	2016	2017	2018
District Deaths *									
Pinellas	12,012	11,961	11,850	12,122	12,327	12,486	12,682	13,012	12,912
Pasco	4,981	5,104	5,294	5,411	5,530	5,623	5,674	5,751	6,172
Total	16,993	17,065	17,144	17,533	17,857	18,109	18,356	18,763	19,084

* SOURCE: Office of Vital Statistics, Florida Department of Health (<http://www.flpublichealth.com/VSBOOK/VSBOOK.aspx>)

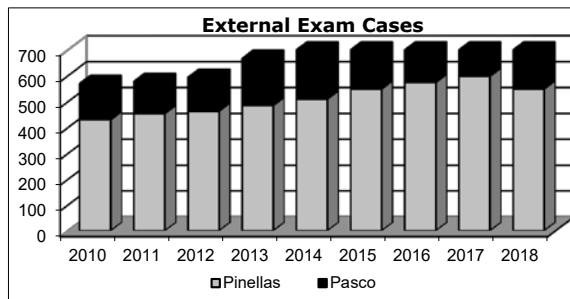
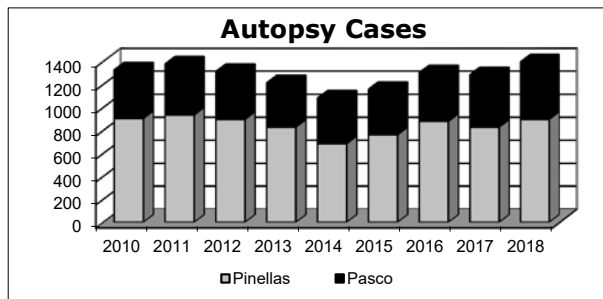


	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cases Accepted									
Pinellas	1,339	1,400	1,364	1,321	1,200	1,320	1,465	1,450	1,456
Pasco	567	567	548	572	601	594	656	760	810
Total	1,906	1,967	1,912	1,893	1,801	1,914	2,121	2,210	2,266

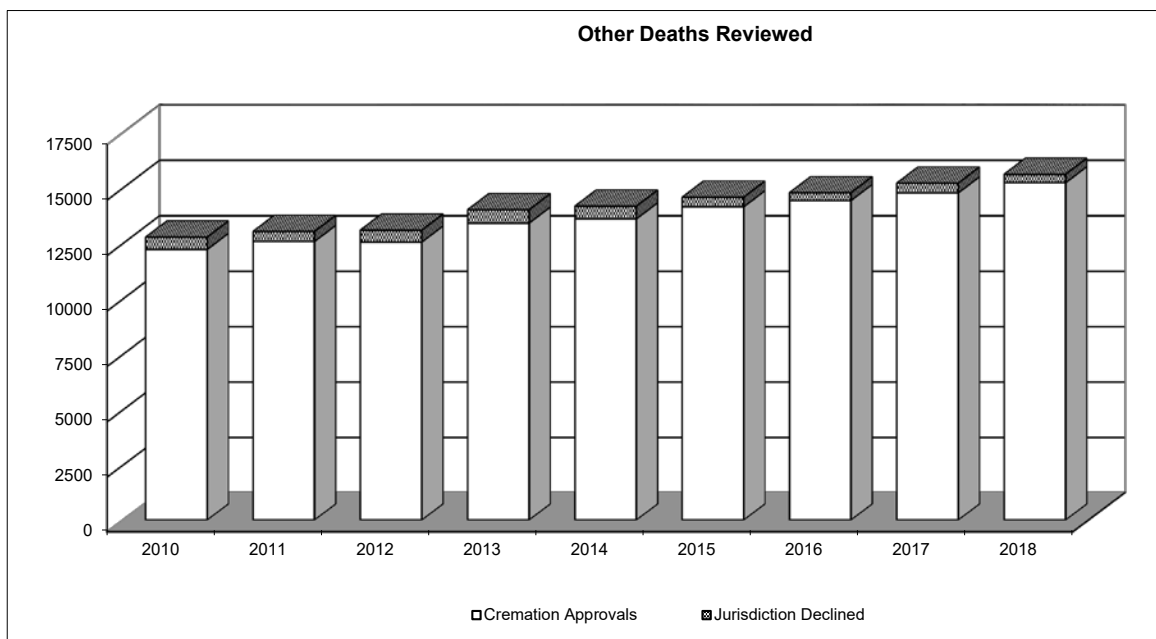


WORKLOAD BY TYPE OF EXAMINATION:

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Autopsies									
Pinellas	904	935	897	829	685	763	880	829	897
(Partial Autopsies)	5	11	4	7	5	8	11	23	10
Pasco	423	442	415	385	396	394	421	456	499
(Partial Autopsies)	4	1	2	5	4	2	4	10	2
Total	1,336	1,389	1,318	1,226	1,090	1,167	1,316	1,318	1,408
External Exams									
Pinellas	430	454	463	485	510	549	574	598	549
Pasco	140	124	131	182	201	198	231	294	309
Total	570	578	594	667	711	747	805	892	858

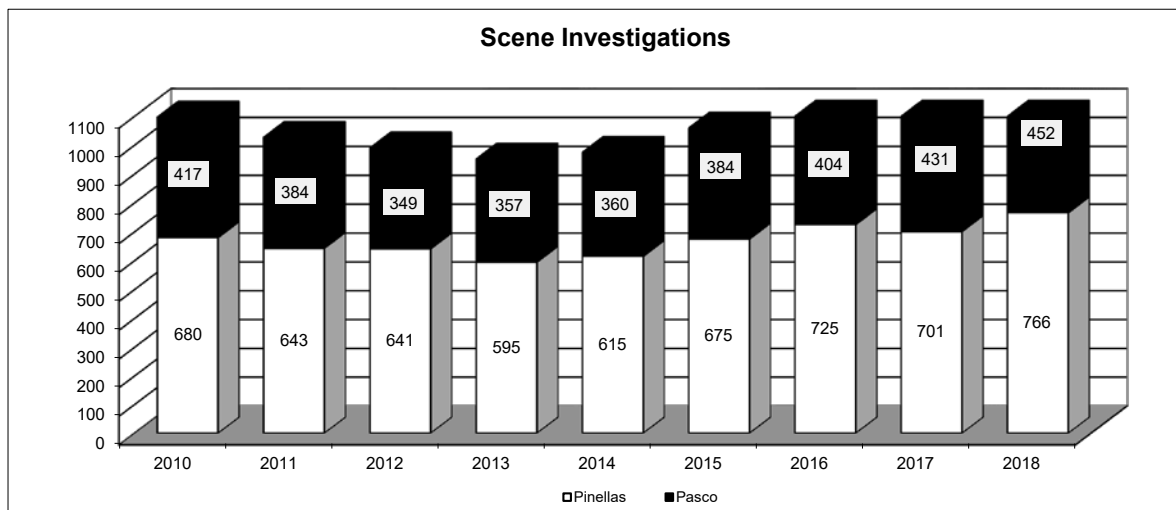


	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cremation Approvals									
Pinellas	8,691	8,849	8,706	9,280	9,439	9,812	9,987	10,229	10,357
Pasco	3,549	3,750	3,866	4,146	4,178	4,349	4,459	4,560	4,890
Total	12,240	12,599	12,572	13,426	13,617	14,161	14,446	14,789	15,247
Jurisdiction Declined									
Pinellas	404	309	405	437	404	285	239	321	279
Pasco	151	139	130	163	166	145	110	118	98
Total	555	448	535	600	570	430	349	439	377



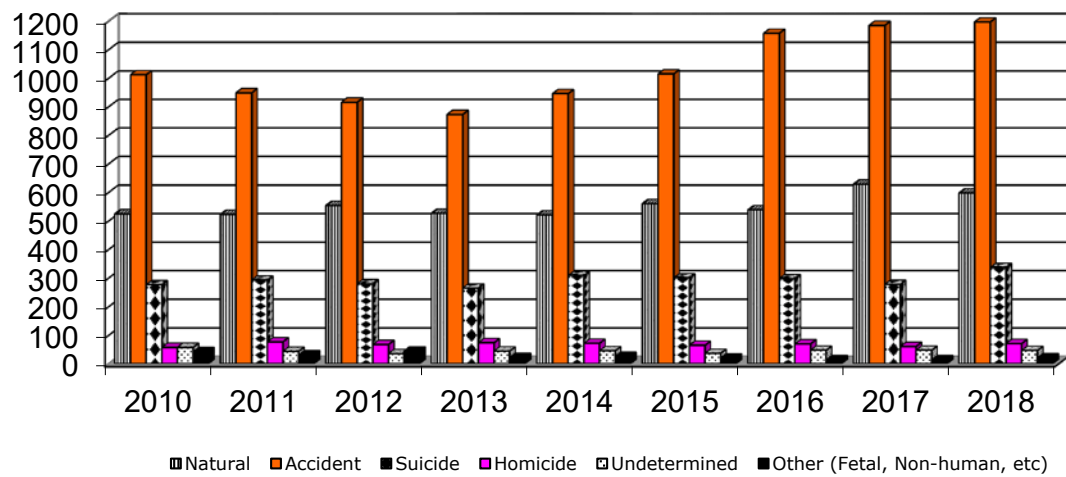
Decedent Transportation	2010	2011	2012	2013	2014	2015	2016	2017	2018
<u>Pinellas</u>									
Medical Examiner Office	1340	1315	1256	1030	1008	1074	1154	1164	1206
Tissue Banks	6	9	5	6	12	2	4	6	6
Other	25	25	37	16	16	15	12	4	9
Total Pinellas	1371	1349	1298	1052	1036	1091	1170	1174	1221
<u>Pasco</u>									
Medical Examiner Office	562	548	560	538	492	517	563	626	652
Tissue Banks	0	0	3	6	5	4	0	6	4
Other	1	0	2	1	1	0	1	0	2
Total Pasco	563	548	565	545	498	521	564	632	658
	1,934	1,897	1,863	1,597	1,534	1,612	1,734	1,806	1,879

Scene Investigations	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	680	643	641	595	615	675	725	701	766
Pasco	417	384	349	357	360	384	404	431	452
Total	1,097	1,027	990	952	975	1,059	1,129	1,132	1,218



District Deaths by Manner of Death	2010	2011	2012	2013	2014	2015	2016	2017	2018
Natural	524	522	553	526	520	560	538	628	597
Accident	1011	948	915	872	945	1014	1156	1184	1196
Suicide	276	292	279	264	308	300	297	277	336
Homicide	57	76	67	73	71	64	69	60	70
Undetermined	57	43	35	44	45	36	47	47	46
Other (Fetal, Non-human, etc)	42	31	44	22	25	20	14	14	21
Total	1,967	1,912	1,893	1,801	1,914	1,994	2,121	2,210	2,266

District Deaths by Manner of Death



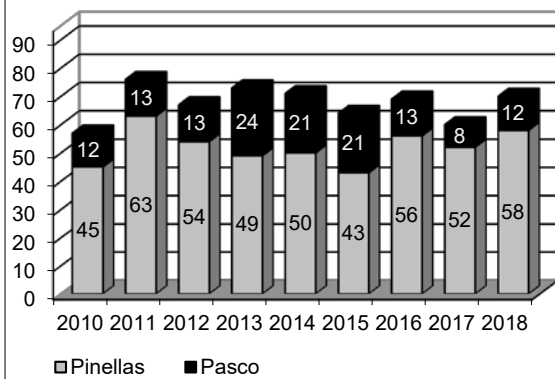
TOTAL VIOLENT DEATHS	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
	1,351	1,401	1,359	1,296	1,253	1,369	1,414	1,569	1,568	1,648

HOMICIDE DEATH INVESTIGATIONS

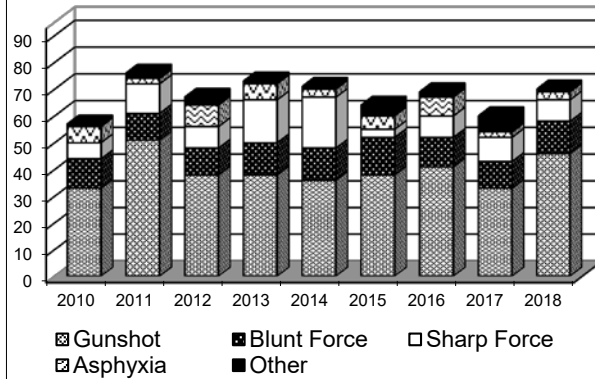
Homicides	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	45	63	54	49	50	43	56	52	58
Pasco	12	13	13	24	21	21	13	8	12
Total	57	76	67	73	71	64	69	60	70

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Gunshot	33	51	38	38	36	38	41	33	46
Blunt Force	11	10	10	12	12	14	11	10	12
Sharp Force	6	11	8	16	19	3	8	9	8
Asphyxia	6	2	8	6	3	5	7	2	3
Other	1	2	3	1	1	4	2	6	1

Homicide Death Investigations

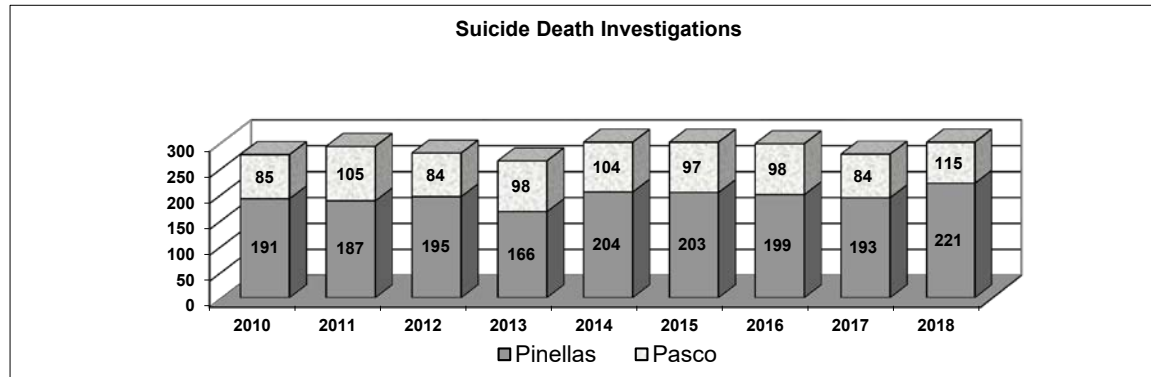


Homicide Method of Injury



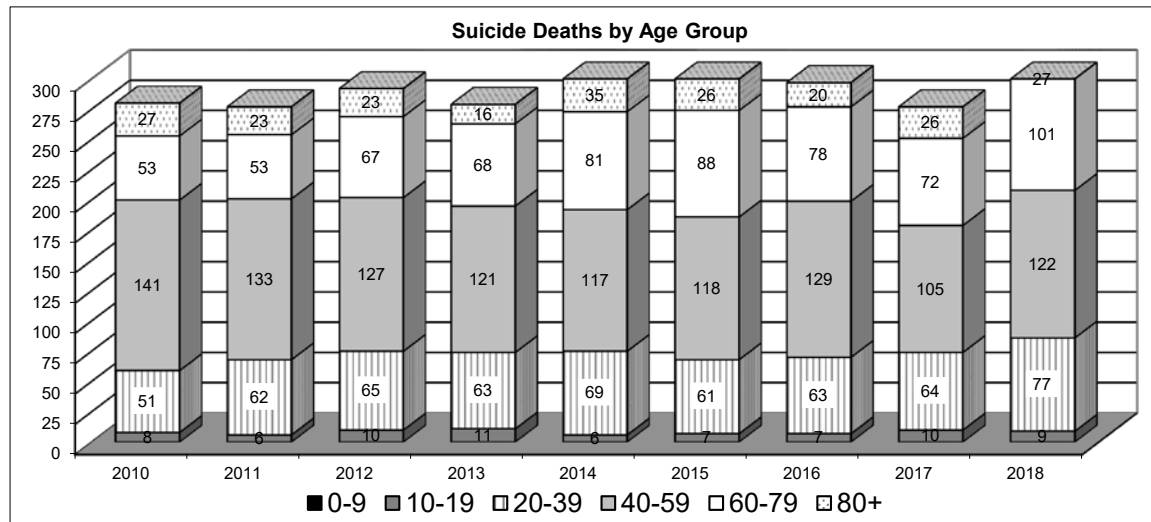
SUICIDE DEATH INVESTIGATIONS

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	191	187	195	166	204	203	199	193	221
Pasco	85	105	84	98	104	97	98	84	115
Total	277	292	279	264	308	300	297	277	336



SUICIDE GENDER	2010	2011	2012	2013	2014	2015	2016	2017	2018
Male	216	223	199	187	234	219	208	202	263
Female	60	69	80	77	74	81	89	75	73

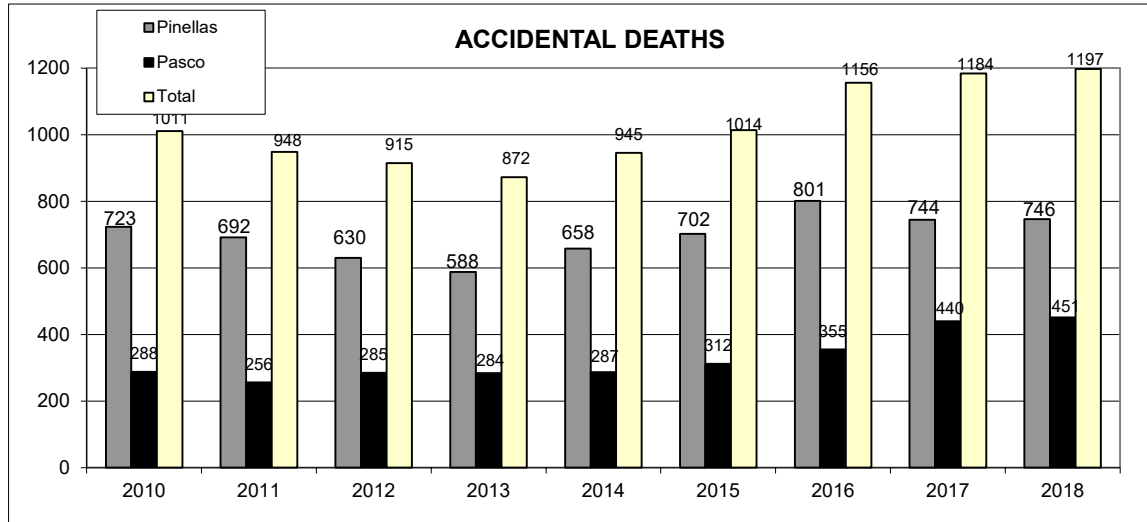
		2010	2011	2012	2013	2014	2015	2016	2017	2018
Age Group	0-9	0	0	0	0	0	0	0	0	0
	10-19	8	6	10	11	6	7	7	10	9
	20-39	51	62	65	63	69	61	63	64	77
	40-59	141	133	127	121	117	118	129	105	122
	60-79	53	53	67	68	81	88	78	72	101
	80+	27	23	23	16	35	26	20	26	27
Total		280	277	292	279	308	300	297	277	336



ACCIDENTAL DEATH INVESTIGATIONS

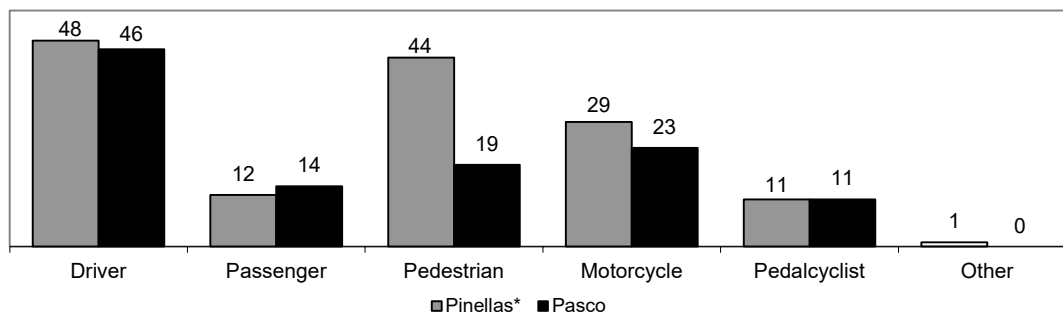
TOTAL ACCIDENTAL DEATHS (Motor Vehicle Accident [MVA] & Non-Motor Vehicle Accident)

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	723	692	630	588	658	702	801	744	746
Pasco	288	256	285	284	287	312	355	440	451
Total	1011	948	915	872	945	1014	1156	1184	1197



MOTOR VEHICLE DEATHS

MVA Type by County of Death (2018)



Traffic Fatalities by County of Death for Year 2018

*** Includes victims that sustained injuries in counties other than Pinellas & Pasco, but were taken to trauma hospitals in the District and eventually died in Pinellas or Pasco from injuries sustained in the other**

	Pinellas*	Pasco	District
Driver	48	46	94
Passenger	12	14	26
Pedestrian	44	19	63
Motorcycle	29	23	52
Pedalcyclist	11	11	22
Other	1	0	1
Totals:	145	113	258

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Driver	79	58	65	72	56	60	79	91	94
Passenger	28	20	28	24	25	23	28	25	26
Pedestrian	41	61	44	43	68	51	65	68	63
Motorcycle	41	46	40	32	45	49	44	44	52
Pedalcyclist	9	20	16	16	8	10	13	14	22
Other	6	4	5	1	0	2	10	8	1
Total	204	209	198	188	202	195	239	250	258

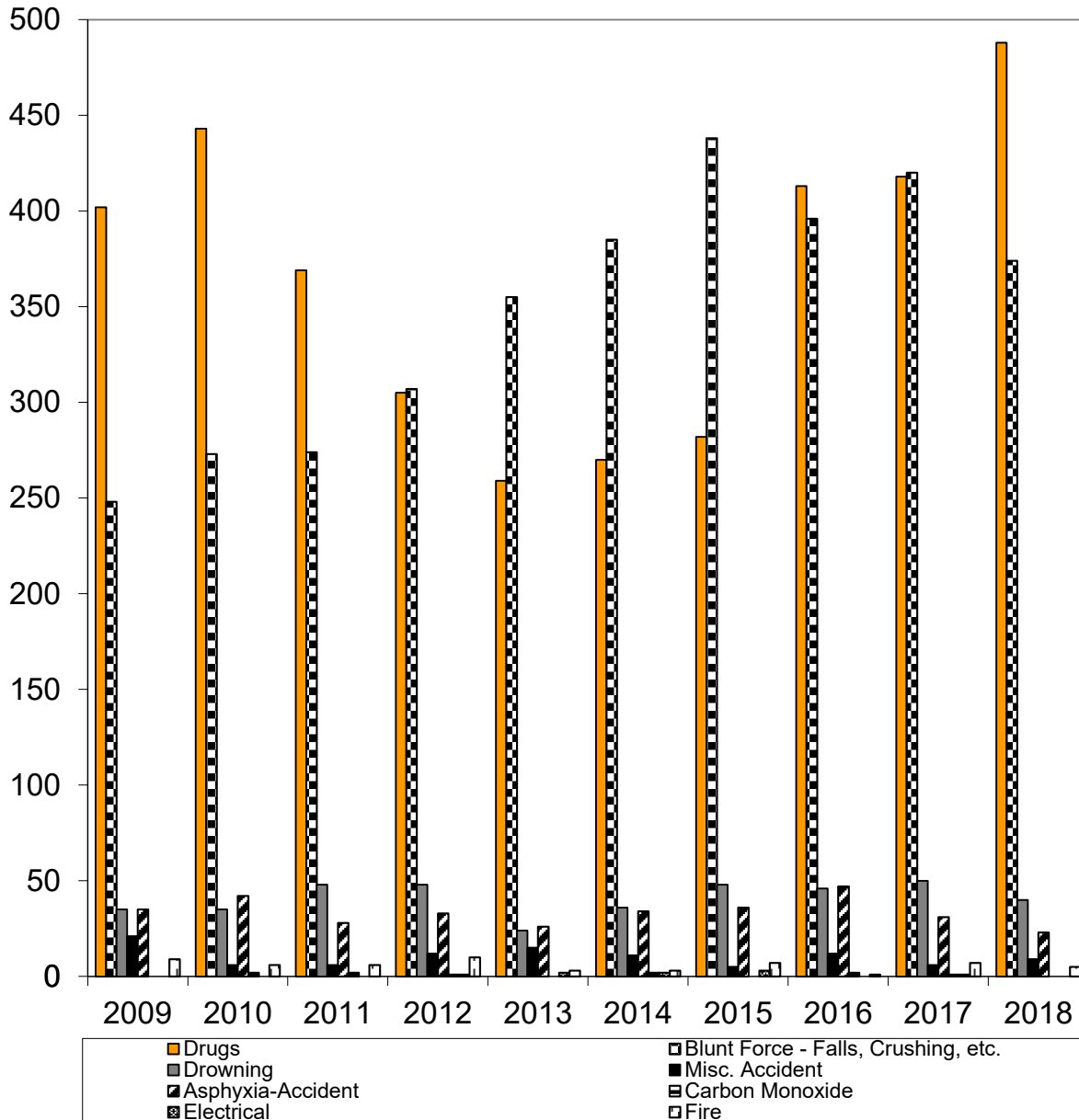
MOTOR VEHICLE DEATHS CONT..

DRIVERS	2010	2011	2012	2013	2014	2015	2016	2017	2018
Less than 20 Years of Age	1	3	2	2	1	5	0	2	5
20-29	12	11	16	10	15	4	10	19	13
30-39	9	4	5	5	11	7	9	9	19
40-49	13	5	4	11	4	8	13	10	8
50-59	10	11	9	14	8	7	14	14	20
60-69	11	5	8	13	9	7	10	11	11
70-79	9	10	9	6	1	10	12	7	6
80-89	10	6	11	8	6	8	10	15	9
90+	4	3	1	3	1	4	1	4	3
Totals	79	58	65	72	56	60	79	91	94

NON-MOTOR VEHICLE RELATED ACCIDENTS

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Drugs	402	443	369	305	259	270	282	413	418	488
Blunt Force - Falls, Crushing, etc.	248	273	274	307	355	385	438	396	420	374
Drowning	35	35	48	48	24	36	48	46	50	40
Misc. Accident	21	6	6	12	15	11	5	12	6	9
Asphyxia-Accident	35	42	28	33	26	34	36	47	31	23
Carbon Monoxide	0	2	2	1	0	2	0	2	1	0
Electrical	0	0	0	1	2	2	3	0	1	0
Fire	9	6	6	10	3	3	7	1	7	5
Total	750	807	733	717	684	743	819	917	934	939

NON-MVA ACCIDENTS



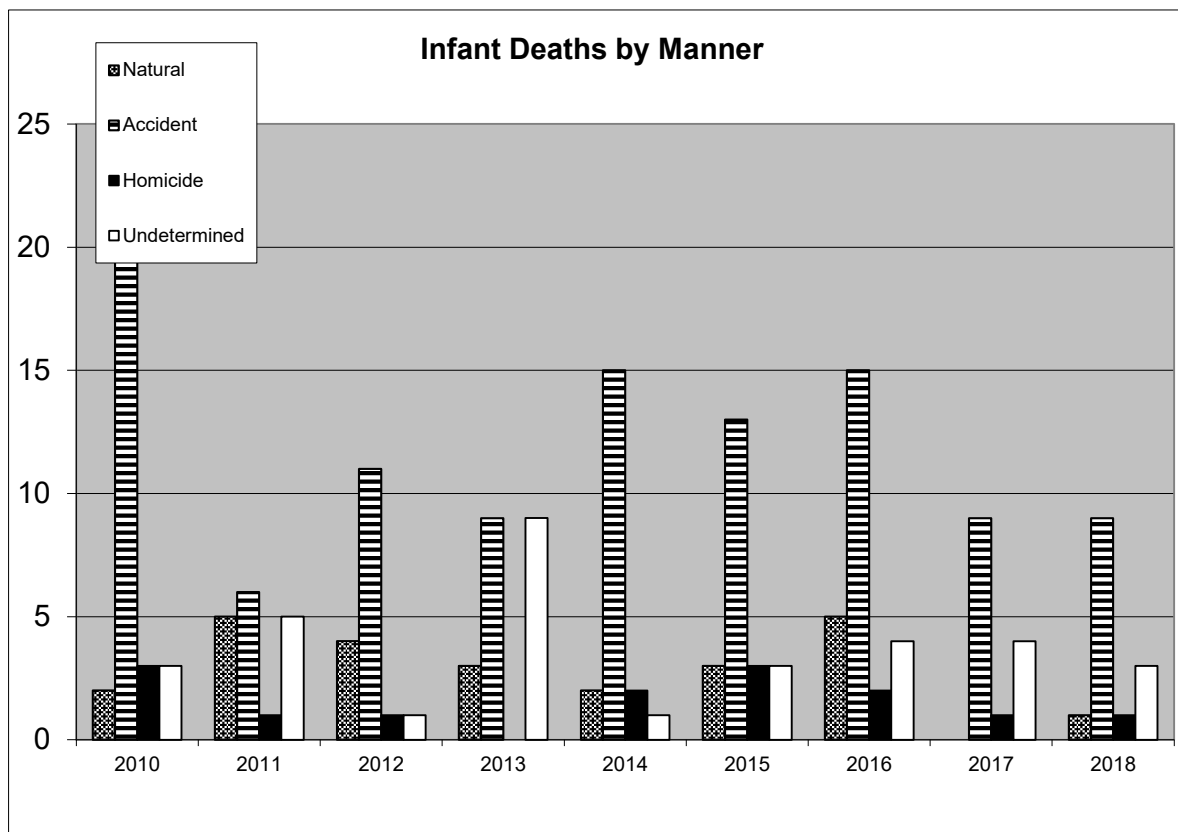
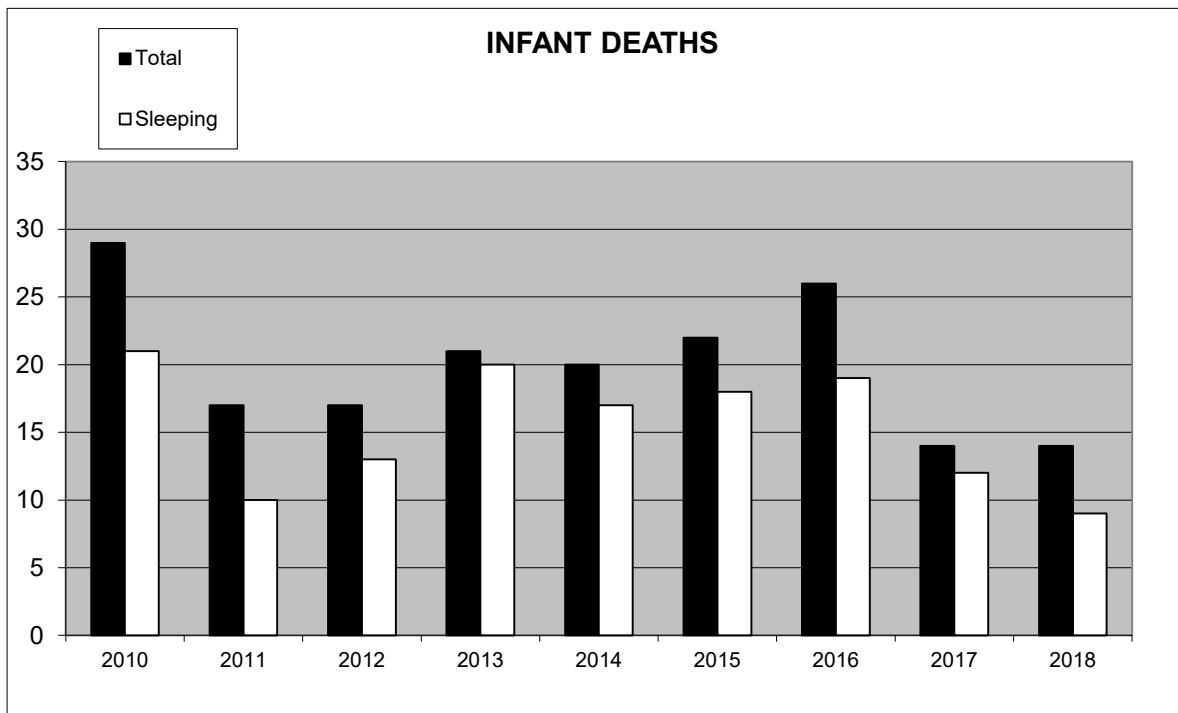
INFANT DEATHS

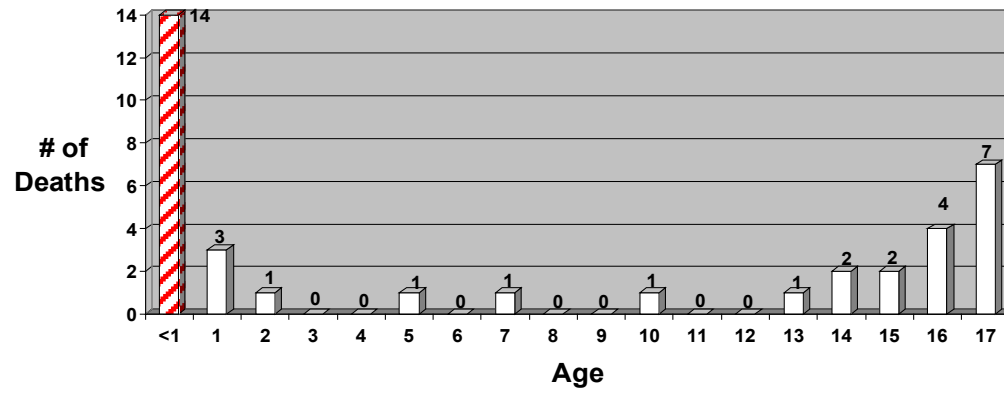
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	29	17	17	21	20	22	26	14	14
Sleeping	21	10	13	20	17	18	19	12	9
% Sleeping	72.4%	58.8%	76.5%	95.2%	85.0%	81.8%	73.1%	85.7%	64.3%
Co-sleeping	14	5	6	9	9	10	9	8	3
Sleeping Alone Total	7	5	7	11	8	8	9	4	6
Alone on Stomach	4	3	4	8	3	3	4	3	2
Alone on Back	2	2	2	1	2	2	4	0	2
Alone Unknown	1	0	1	2	3	3	1	1	2
unknown/unclear	0	0	0	1	0	0	1	0	0
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Natural	2	5	4	3	2	3	5	0	1
Accident	21	6	11	9	15	13	15	9	9
Homicide	3	1	1	0	2	3	2	1	1
Undetermined	3	5	1	9	1	3	4	4	3
Total	29	17	17	21	20	22	26	14	14

Of the 9 sleep associated infant deaths in 2018, only 1 of the infants died while reportedly sleeping in safe circumstances (alone, on their back, and on a device designed for infant sleeping), and that infant died from a natural disease process. Three of the infants died while sleeping with others (Co-Sleeping), and 2 died while put to sleep face down (1 on a sofa and 1 in a crib).

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SIDS *	0	0	0	0	0	0	0	0	0	0
Natural disease or illness	2	2	5	4	3	2	3	5	0	1
Asphyxia - Accident	15	17	5	10	9	14	12	12	9	6
Blunt force - Accident	1	1	0	0	0	2	0	0	0	1
Other Accident	0	3	1	1	0	0	1	3	0	3
Blunt force - Homicide	1	3	1	1	0	0	2	1	0	1
Undetermined	5	3	5	1	9	1	3	4	4	2
Other Homicide	0	0	0	0	0	1	1	1	1	0

*** Sudden Infant Death Syndrome (SIDS):** The death of an infant less than one year of age which remains unexplained after thorough case investigation, including performance of a complete autopsy, examination of the death scene, and review of the clinical history. Thus, SIDS is a diagnosis by exclusion (Willinger et al, 1991).

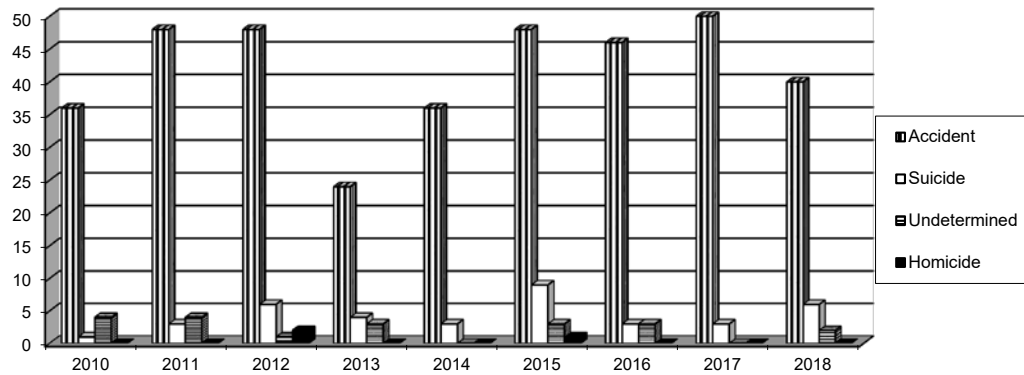
INFANT DEATHS CONT..

INFANT/CHILD DEATHS BY AGE (2018)

DROWNINGS BY MANNER OF DEATH

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Accident	36	48	48	24	36	48	46	50	40
Suicide	1	3	6	4	3	9	3	3	6
Undetermined	4	4	1	3	0	3	3	0	2
Homicide	0	0	2	0	0	1	0	0	0

DROWNINGS BY MANNER



DROWNING BY AGE GROUP

	2010	2011	2012	2013	2014	2015	2016	2017	2018
0-10	10	8	12	1	3	7	7	7	7
11-30	3	3	3	4	4	3	5	7	7
31-50	11	15	12	7	10	14	18	10	15
51-70	10	15	17	15	14	23	15	19	13
71+	7	14	13	4	8	14	7	10	6

DROWNING AGE 0-5 YEARS

Pool	9	7	7	1	2	2	5	4	2
Bathtub	1	0	1	0	0	0	1	0	1
Other	0	1	1	0	1	2	1	3	3

ACCIDENTAL DROWNING BY LOCATION

Swimming Pool	18	17	22	16	8	10	13	21	21
Gulf waters	13	10	15	14	5	13	9	11	5
Lake/Pond	9	4	3	3	2	5	9	4	6
Tampa Bay waters	2	0	2	2	1	2	4	5	6
Bathtub	6	4	2	3	1	1	4	5	5
Spa	2	1	0	0	1	1	3	1	1
Canal	1	0	1	3	3	1	3	2	0
River	1	0	2	0	2	1	0	2	2
Other Misc.	1	0	1	7	1	2	1	2	2
Total	53	36	48	48	24	36	46	53	48

TOXICOLOGY

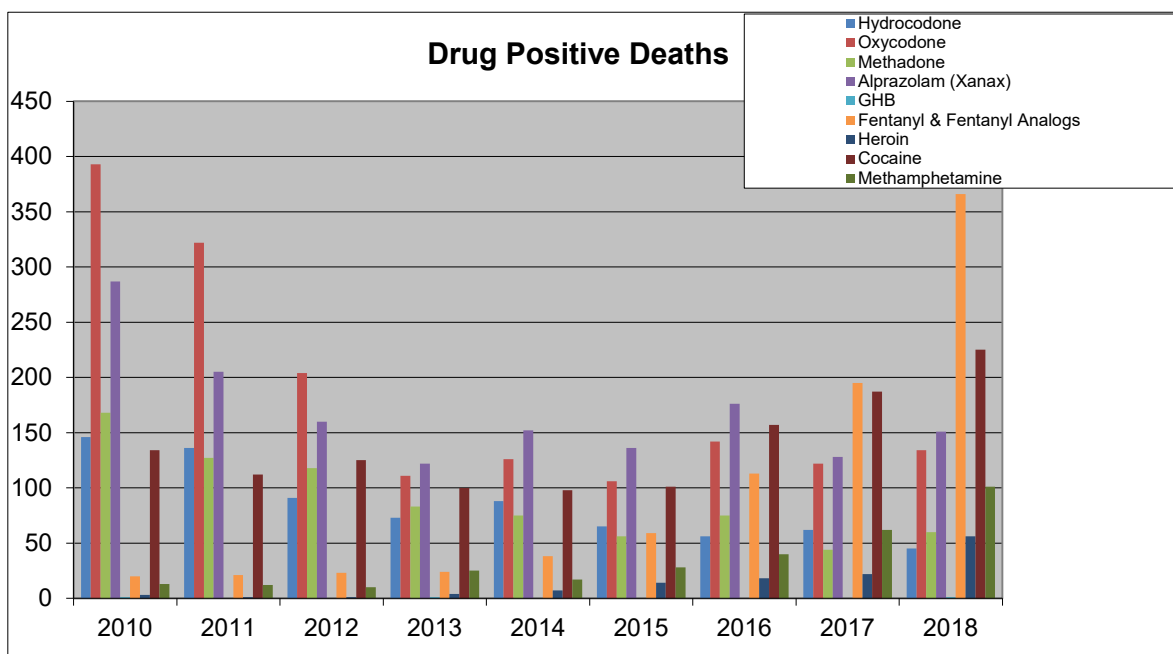
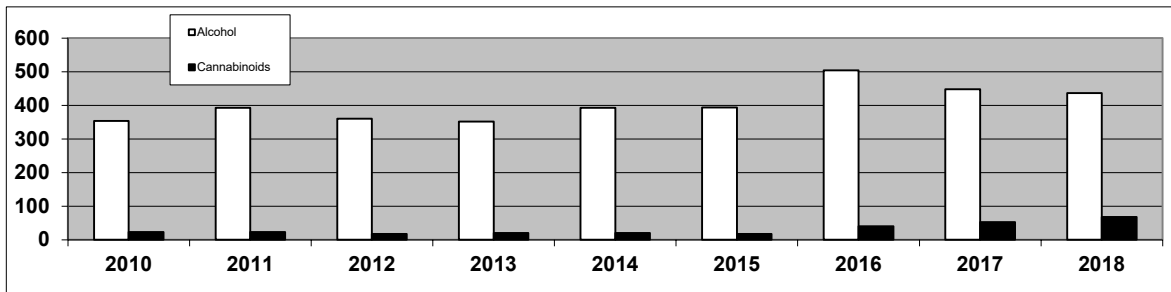
MEDICAL EXAMINER CASES WHERE TOXICOLOGY WAS PERFORMED

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cases submitted to Toxicology	1576	1492	1392	1247	1300	1344	1495	1474	1475
Cases where Toxicology was performed	1218	1142	1047	952	1028	1041	1233	1184	1256

MEDICAL EXAMINER CASES TESTING POSITIVE FOR DRUGS

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Alcohol	354	393	360	352	393	394	504	448	436
Cannabinoids	23	23	17	20	20	17	40	53	68

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Hydrocodone	146	136	91	73	88	65	56	62	45
Oxycodone	393	322	204	111	126	106	142	122	134
Methadone	168	127	118	83	75	56	75	44	60
Alprazolam (Xanax)	287	205	160	122	152	136	176	128	151
GHB	1	0	0	1	0	0	0	0	1
Fentanyl & Fentanyl Analogs	20	21	23	24	38	59	113	195	366
Heroin	3	1	1	4	7	14	18	22	56
Methamphetamine	13	12	10	25	17	28	40	62	101
Cocaine	134	112	125	100	98	101	157	187	225

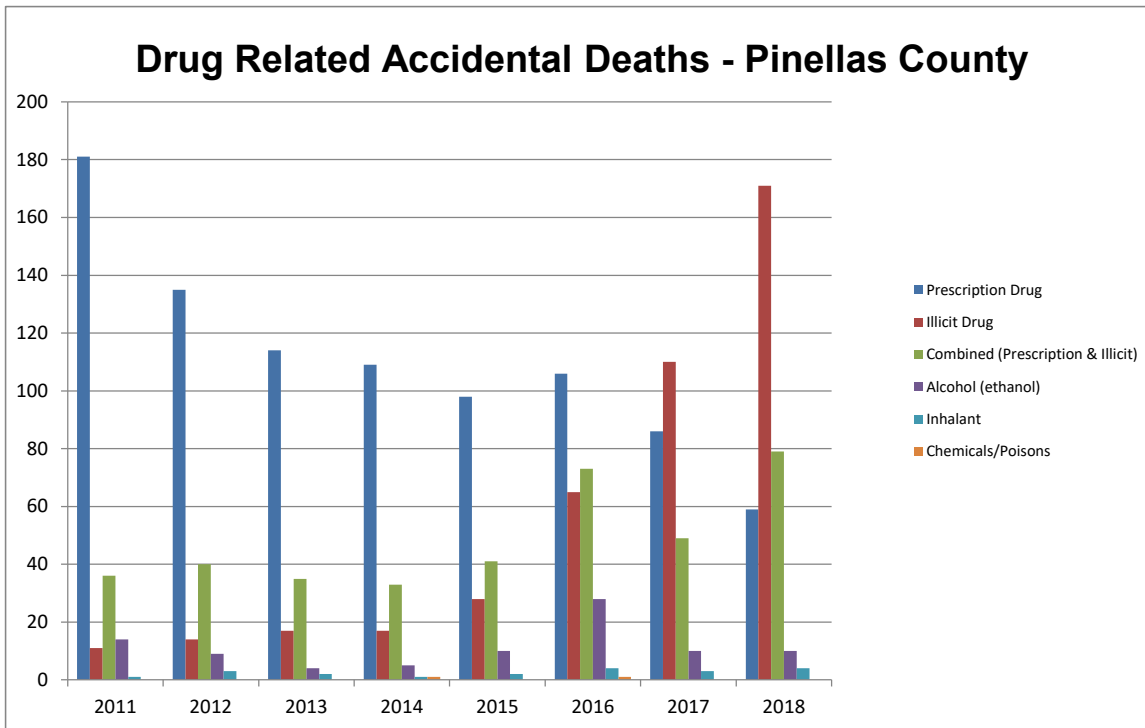


Toxicology Continued....

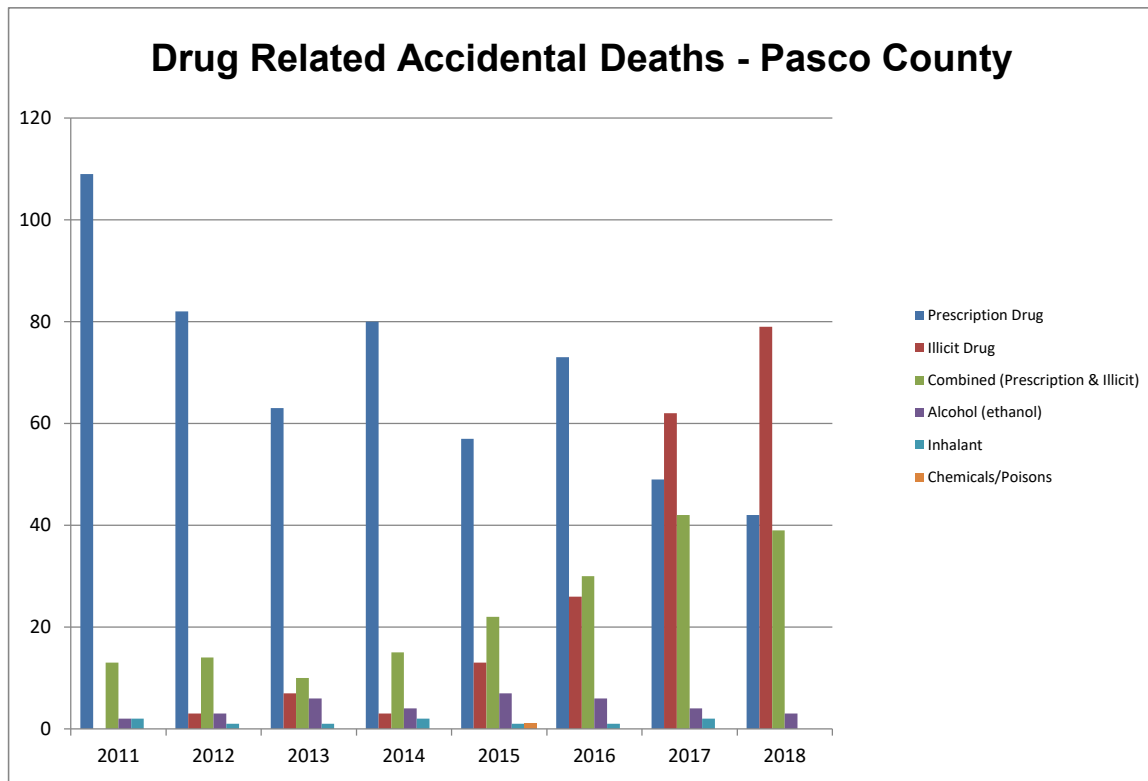
DRUGS or TOXIN RELATED CAUSE OF DEATH (Accidental Manner)

<u>Pinellas</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Prescription Drug	181	135	114	109	98	106	86	59
Illicit Drug	11	14	17	17	28	65	110	171
Combined (Prescription & Illicit)	36	40	35	33	41	73	49	79
Alcohol (ethanol)	14	9	4	5	10	28	10	10
Inhalant	1	3	2	1	2	4	3	4
Chemicals/Poisons	0	0	0	1	0	1	0	0
Total Drug Related	243	201	172	166	179	277	258	323

<u>Pasco</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Prescription Drug	109	82	63	80	57	73	49	42
Illicit Drug	0	3	7	3	13	26	62	79
Combined (Prescription & Illicit)	13	14	10	15	22	30	42	39
Alcohol (ethanol)	2	3	6	4	7	6	4	3
Inhalant	2	1	1	2	1	1	2	0
Chemicals/Poisons	0	0	0	0	1	0	0	0
Total Drug Related	126	103	87	104	101	136	159	163



Toxicology Continued....

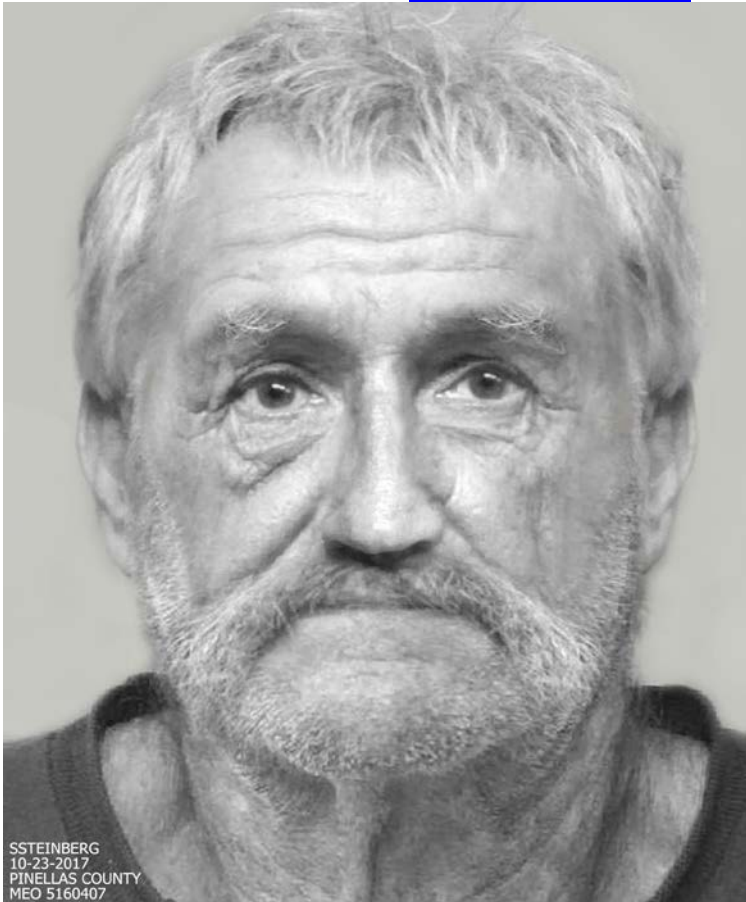


UNIDENTIFIED PERSONS

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	0	1	0	0	0	0	0	1	0	0
Pasco	1	1	0	0	0	0	0	0	0	0
Total	1	2	0	0	0	0	0	0	0	0
	ID'd 06/16 ID'd 10/11									
	ID'd 08/11									

2016**#5160407**

Date Found: 3/8/2016
 Location Found: Park area located at 9600 Bay Pines Blvd. (Bay Pines V.A. Medical Center)
 Race: White (estimated)
 Gender: Male (estimated)
 Age: 65 - 80 (estimated)
 Height: 5' 8" (estimated)
 Weight: Unknown
 Hair Color: Gray or Partially Gray
 Eye Color: Unknown
 Distinctive Feature: Orthopedic Plates in right upper extremity, healed fractures of skull, jaw left hip, right ribs
 Clothing: Gray boxer shorts "Gilden" size Large, Black Miykon wrist watch with gold colored trim & black bar
 Law Enforcement Agency: Pinellas County Sheriff's Office
 Agency Case #: 16-97212
 NamUs #: UP 15482 <https://identifyus.org/cases/15482>



2005

#5050078

Date Found: 1/12/2005

Location Found: 44000 Block of U.S. 19 North, Tarpon Springs - Skeletal remains found in wooded area

Race: White (estimated)

Gender: Male (estimated)

Age: 40 - 55 (estimated)

Height: 5' 8" - 6' 3" (estimated)

Weight: Unknown

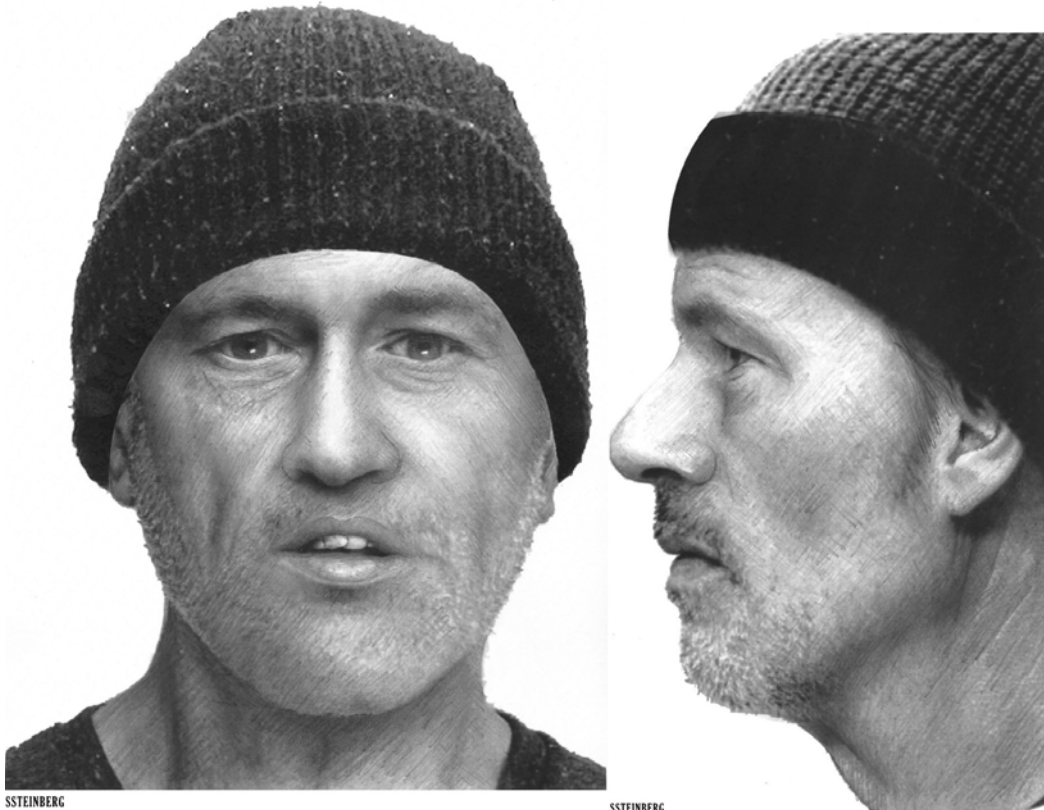
Hair Color: Unknown

Eye Color: Unknown

Law Enforcement Agency: Tarpon Springs Police Department

Agency Case #: 05-142

NamUs #: UP 116 <https://identifyus.org/cases/116>



SSTEINBERG
08-14-2013
MEO 5050078
DISTRICT 6 MEO

SSTEINBERG
08-14-2013
MEO 5050078
DISTRICT 6 MEO

<https://identifyus.org/cases/116>

INDIGENT / UNCLAIMED

Medical Examiner Cases Released as Indigent/Unclaimed *

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	45	58	146	125	101	98	134	150	129	145
Pasco	20	12	45	52	42	52	68	63	59	78
Total:	65	70	191	177	143	150	202	213	188	223

* Only reflects Medical Examiner cases released as unclaimed/indigent, and does not include all District deaths. May have later been determined to not be indigent or unclaimed.

Organ & Tissue Donation

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Organ Donations	37	25	41	22	15	39	31	33	31	42
Tissue Donations	51	28	38	43	54	48	57	42	72	66
Corneal Donations	143	104	107	135	123	150	131	126	141	136

* Only reflects the number of organ and/or tissue donations for Medical Examiner cases, not all District deaths.

Exhumations

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Pinellas	0	4	0	0	0	0	0	0	0	0
Pasco	0	2	0	0	0	0	0	0	0	0
Total:	0	6	0	0	0	0	0	0	0	0