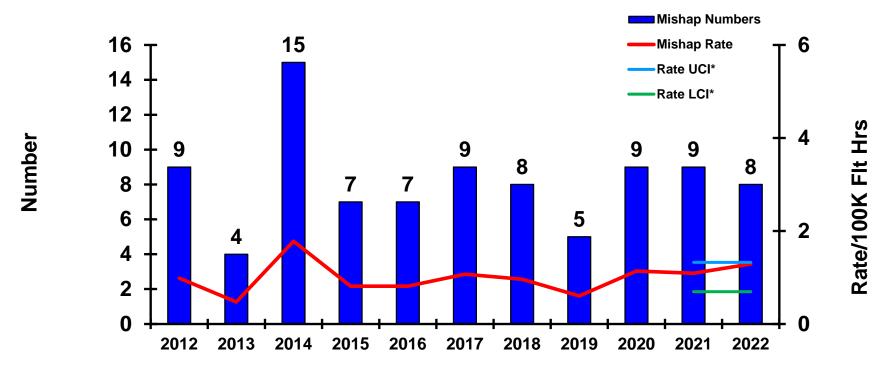


CLASS A FLIGHT MISHAPS

Manned Aircraft Only



6-Jul-22 6-Jul-21
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 8/1.29 5/0.81

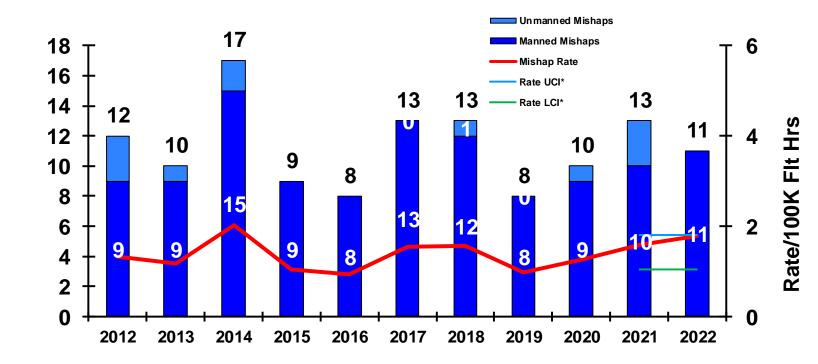
FY21 MISHAPS/MISHAP RATE: 9/1.09

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 8.20/0.97



Number

CLASS A AVIATION MISHAPS

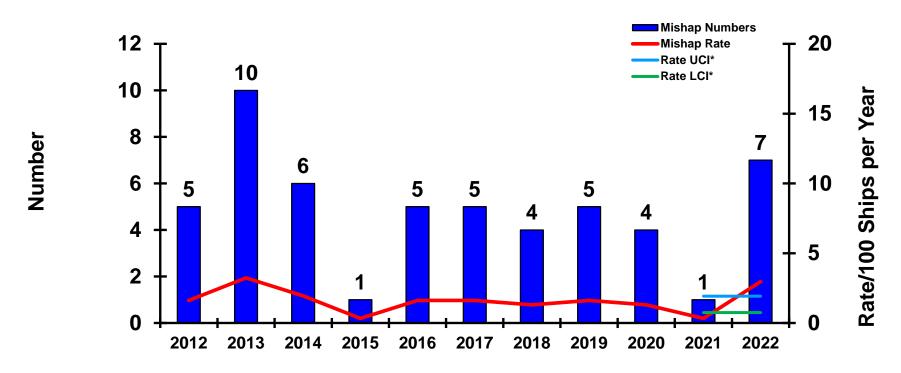


6-Jul-22 6-Jul-21
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 11/1.77 8/1.29

FY21 MISHAPS/MISHAP RATE: 13/1.58 10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 11.30/1.34



CLASS A AFLOAT MISHAPS



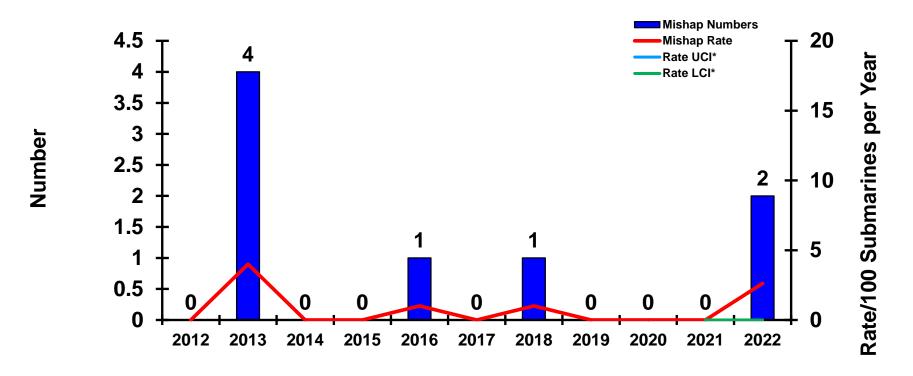
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 7/2.96 1/0.42

FY21 MISHAPS/MISHAP RATE: 1/0.32

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 4.60/1.49



CLASS A SUBMARINE MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 2/2.62 0/0.00

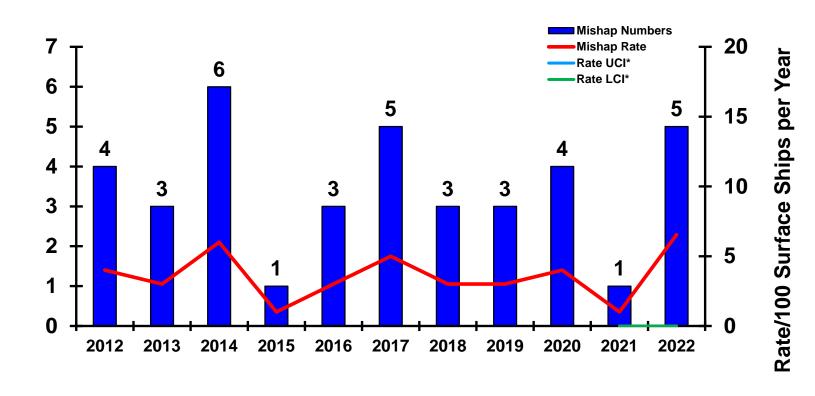
FY21 MISHAPS/MISHAP RATE: 0/0.00

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 0.60/0.60



Number

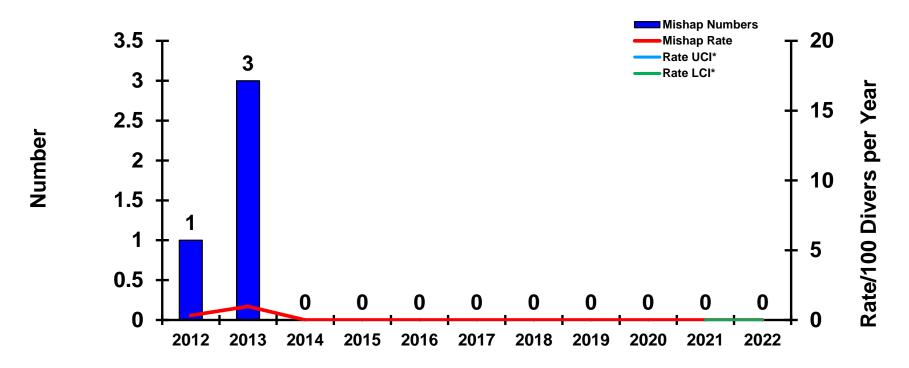
CLASS A SURFACE SHIP MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 5/6.54 1/1.00
FY21 MISHAPS/MISHAP RATE: 1/1.00
10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 3.30/3.30



CLASS A DIVING MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE:

0/0.00

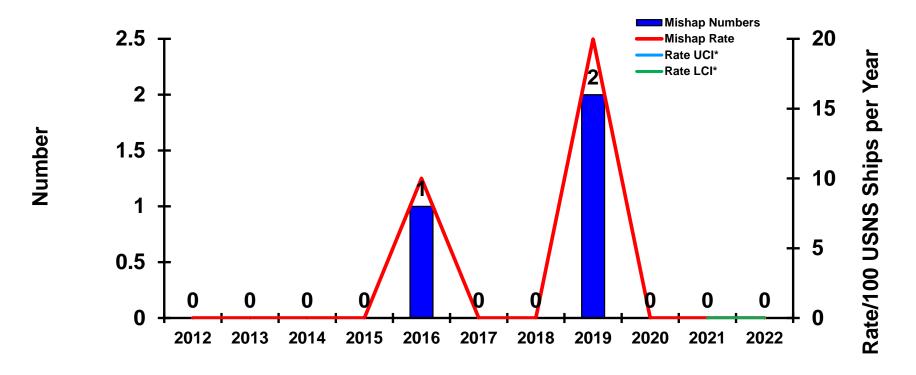
0/0.00

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE:

0.40/0.13



CLASS A MSC AFLOAT MISHAPS

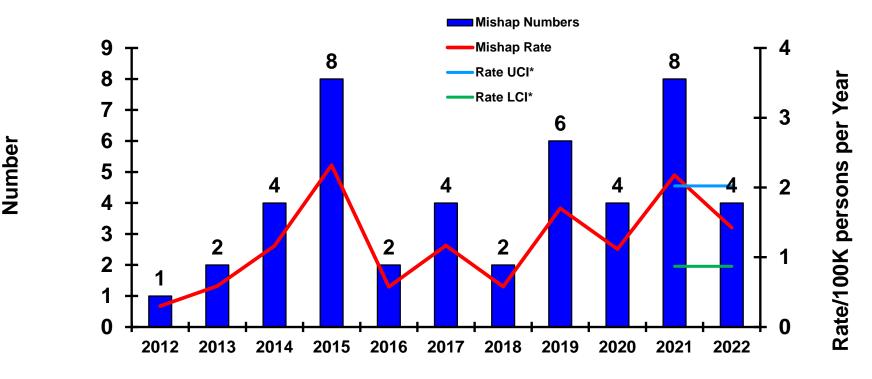


CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 0/0.00 0/0.00

FY21 MISHAPS/MISHAP RATE: 0/0.00 10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 0.30/3.00



CLASS A SHORE ON-DUTY MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE:

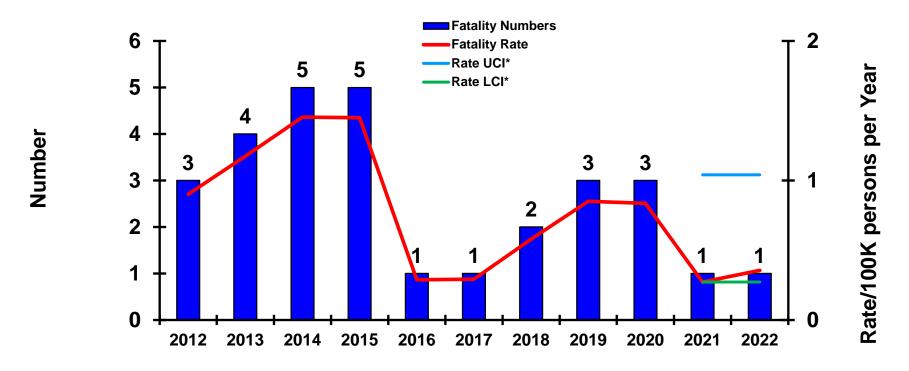
8/2.18

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE:

4.10/1.17



PHYSICAL TRAINING FATALITIES



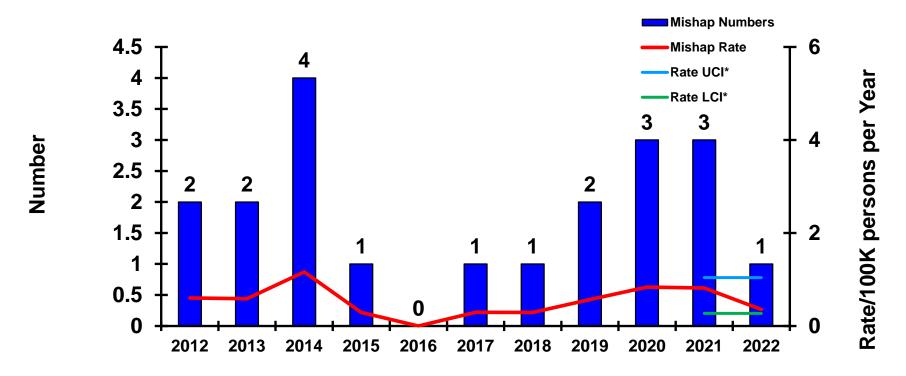
FATALITIES/FATALITY RATE FY COMPARISON: 1/0.36 1/0.36

FY21 FATALITIES/FATALITY RATE: 1/0.27

10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY RATE: 2.80/0.81



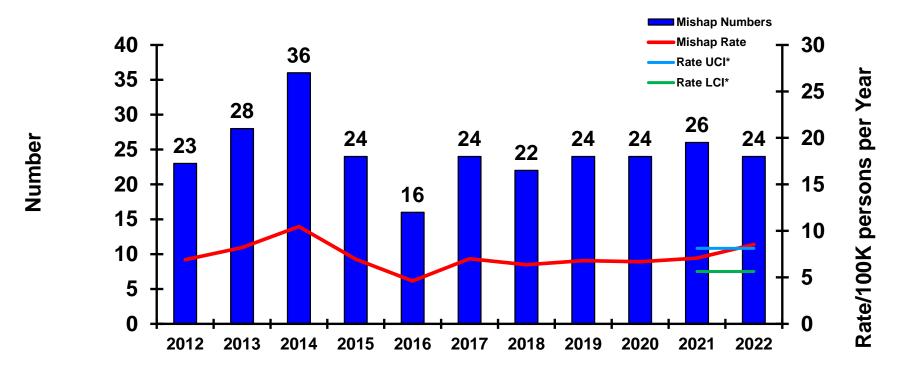
CLASS A ON-DUTY MV MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 1/0.36 3/1.07
FY21 MISHAPS/MISHAP RATE: 3/0.82
10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 1.90/0.54



TOTAL CLASS A ON-DUTY MISHAPS



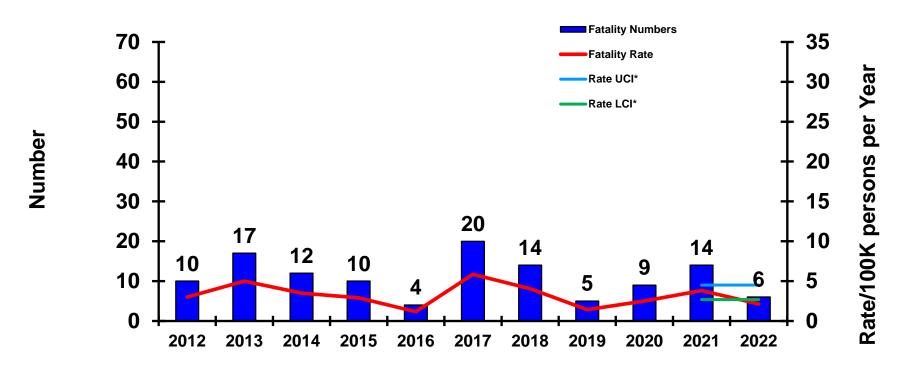
6-Jul-22 6-Jul-21
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 24/8.54 18/6.41

FY21 MISHAPS/MISHAP RATE: 26/7.07

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 24.70/7.11



ON-DUTY FATALITIES

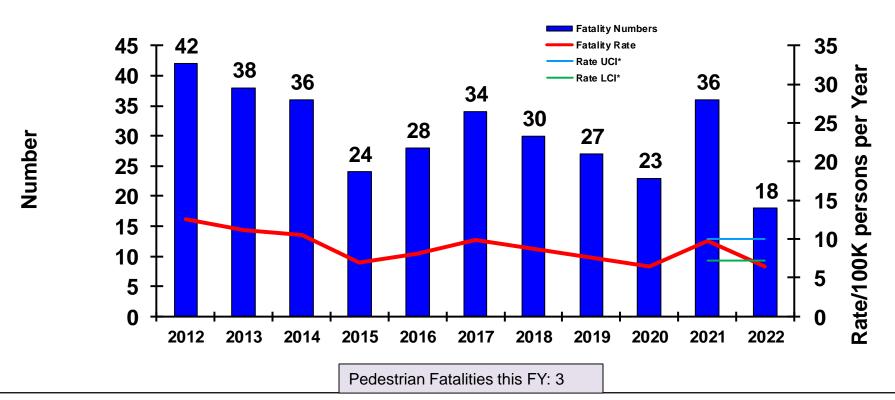


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22	6-Jul-21	_
6/2.14	7/2.49	
14/3.81		
11.50/3.32		



PMV FATALITIES



CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

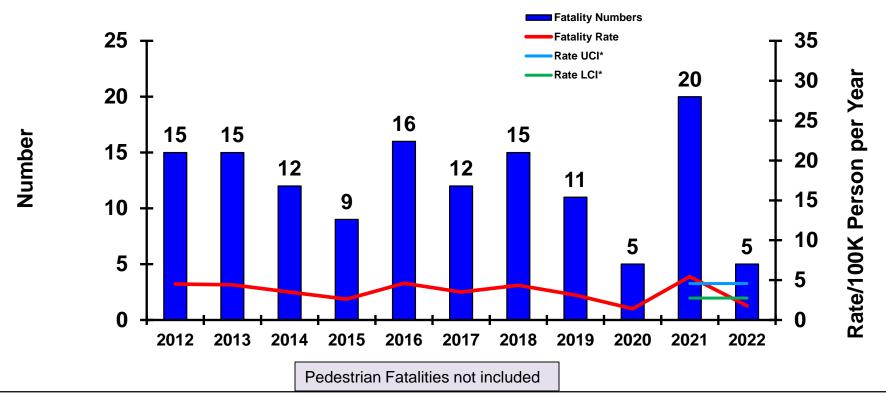
18/6.41 26/9.27 36/9.79 31.80/9.17

06-Jul-22

6-Jul-21



4-WHEEL PMV FATALITIES

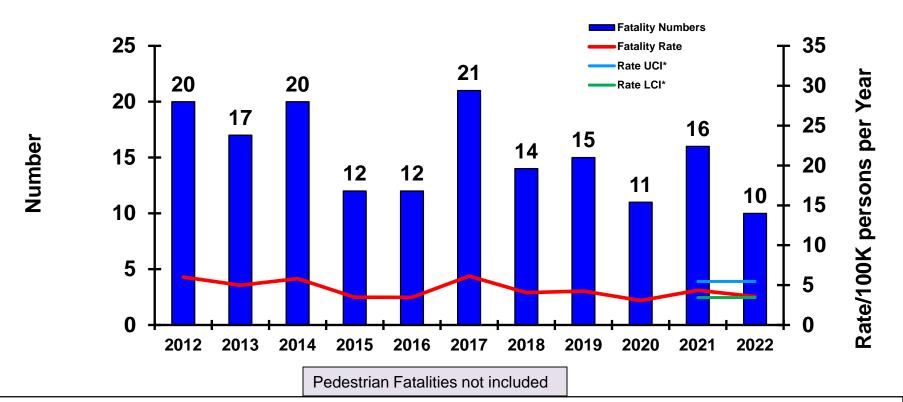


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22 6-Jul-21 5/1.78 14/4.99 20/5.44 13.00/3.74



MOTORCYCLE PMV FATALITIES

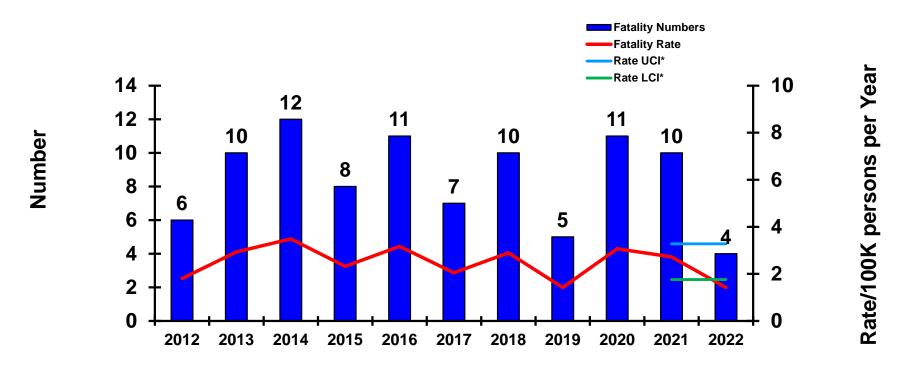


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

<u>6-Jul-22</u>	6-Jul-21
10/3.56	12/4.28
16/4.35	
15.80/4.56	



OFF-DUTY/REC FATALITIES

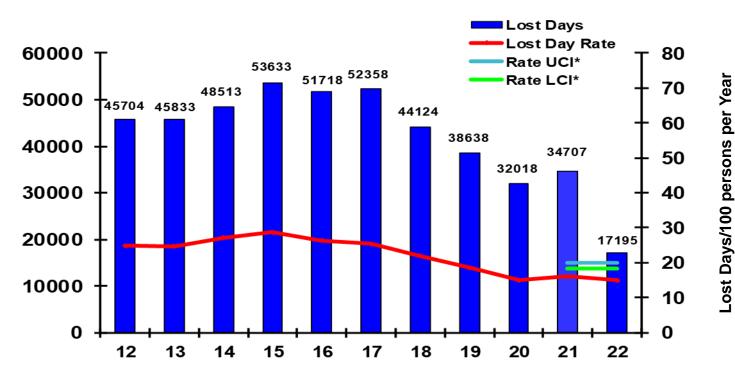


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

<u>6-Jul-22</u>	<u>6-Jul-21</u>
4/1.42	8/2.85
10/2.72	
9.00/2.59	



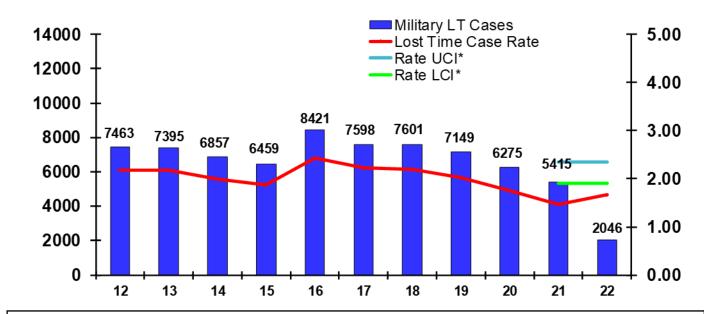
CIVILIAN LOST WORK DAY



LOST WORK DAY FY RATE COMPARISON: 14.90
FY21 LOST WORK DAY RATE: 16.00
5-YEAR AVERAGE (FY17-21) LOST WORK DAY RATE: 19.36

Number

MILITARY LOST TIME CASE RATE



	9 Apr 22
LOST WORK TIME CASE RATE:	1.66
FY21 LOST TIME CASE RATE:	1.47
5-YEAR AVERAGE (FY17-21) LOST TIME CASE RATE:	1.93

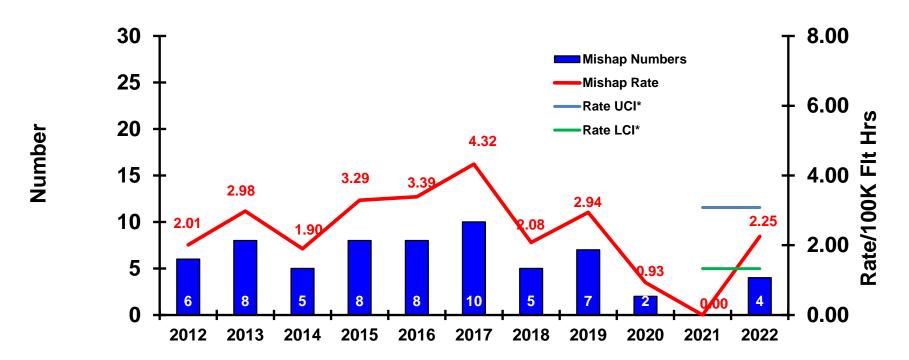
^{*}see last slide for definition of UCI/LCI

Lost Time Cases/100 persons per Year



CLASS A FLIGHT MISHAPS

Manned Aircraft Only



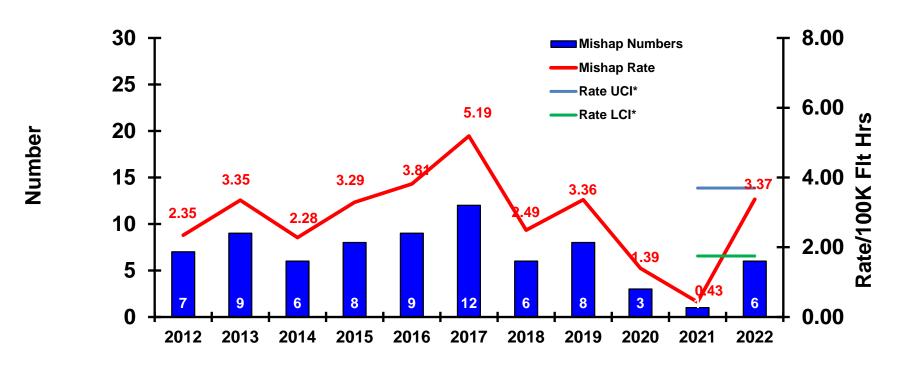
CLASS A FM/FM RATE FY COMPARISON: 4/2.25 0/0.00

FY21 MISHAPS/MISHAP RATE: 0/0.00

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 5.90/2.38



CLASS A AVIATION MISHAPS



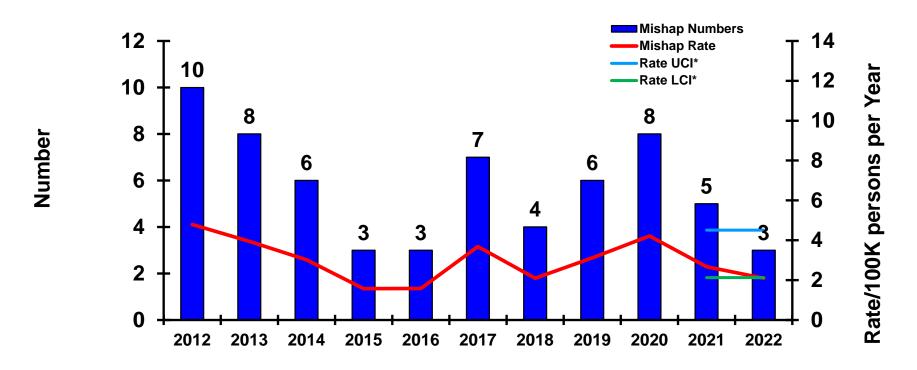
6-Jul-22 6-Jul-21
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 6/3.37 1/0.56

FY21 MISHAPS/MISHAP RATE: 1/0.43

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 6.90/2.79



CLASS A GROUND ON-DUTY MISHAPS



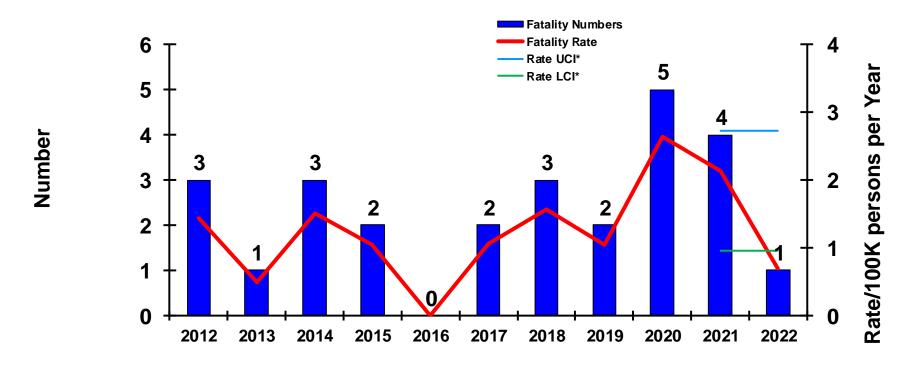
6-Jul-22 6-Jul-21
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 3/2.10 2/1.40

FY21 MISHAPS/MISHAP RATE: 5/2.67

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 6.00/3.07



PHYSICAL TRAINING FATALITIES



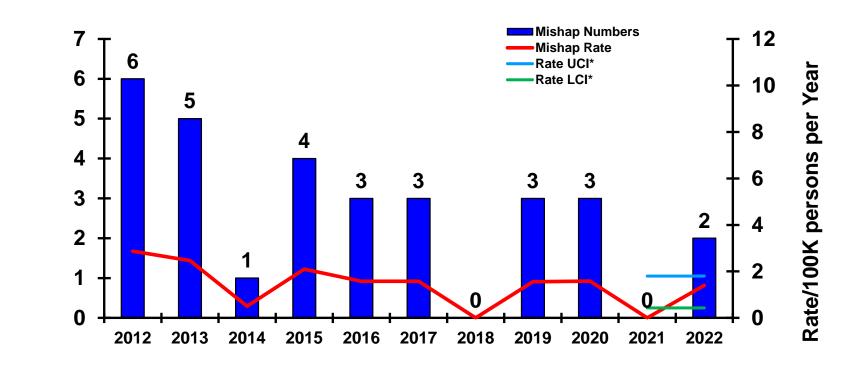
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22	<u>6-Jul-21</u>
1/0.70	2/1.40
4/2.14	
2.50/1.29	



Number

CLASS A ON-DUTY MV MISHAPS



CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE:

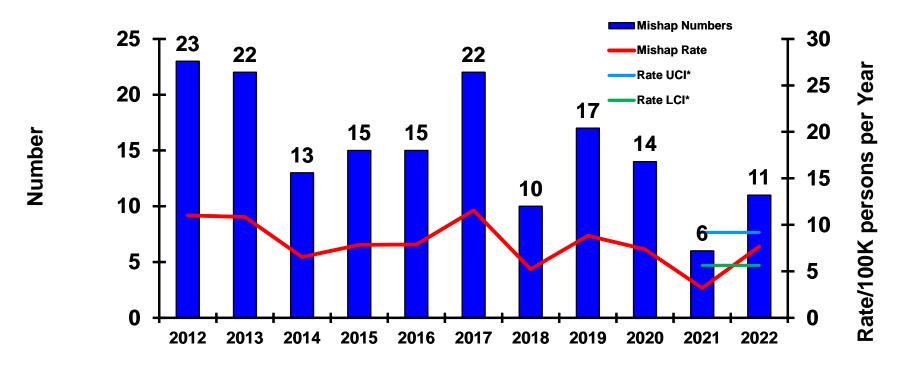
0/0.00

0/0.00

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 2.80/1.42



TOTAL CLASS A ON-DUTY MISHAPS



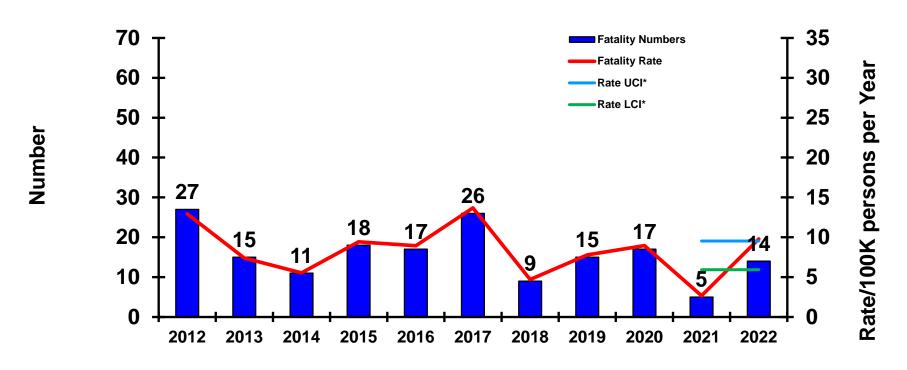
CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 11/7.69 3/0.00

FY21 MISHAPS/MISHAP RATE: 6/3.21

10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 15.70/8.04



ON-DUTY FATALITIES



CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

14/9.78 5/2.67 16.00/8.20

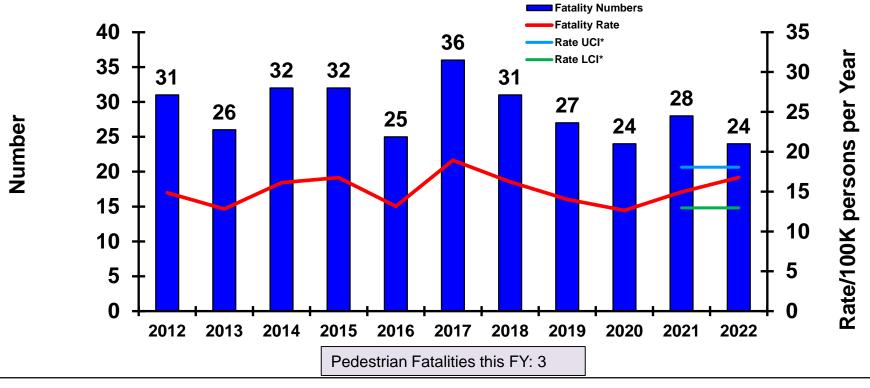
6-Jul-21

2/1.40

6-Jul-22



PMV FATALITIES

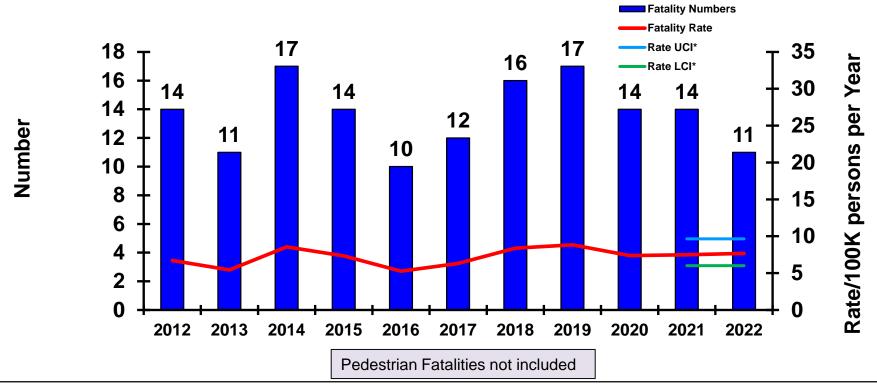


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22 6-Jul-21 24/16.77 22/15.40 28/14.96 29.20/15.05



4-WHEEL PMV FATALITIES

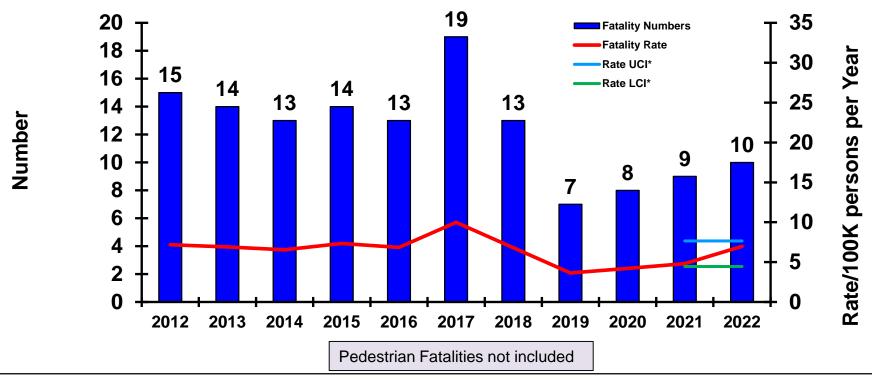


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22 6-Jul-21 5/3.50 14/7.48 13.90/7.17



MOTORCYCLE PMV FATALITIES

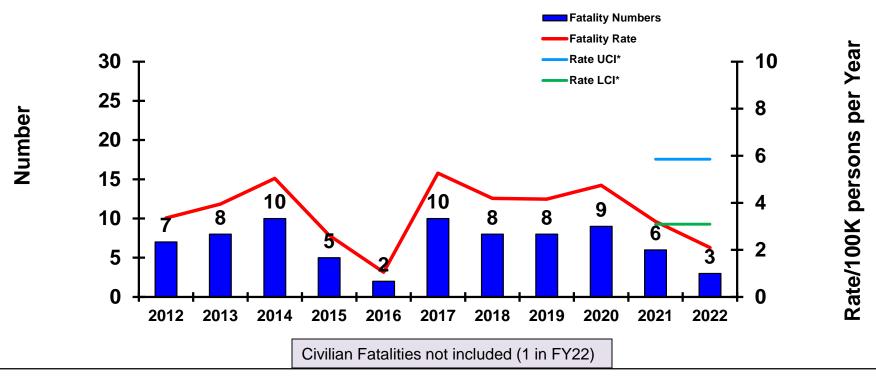


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

6-Jul-22 6-Jul-21 10/6.99 8/5.60 9/4.81 12.50/6.43



OFF-DUTY/REC FATALITIES

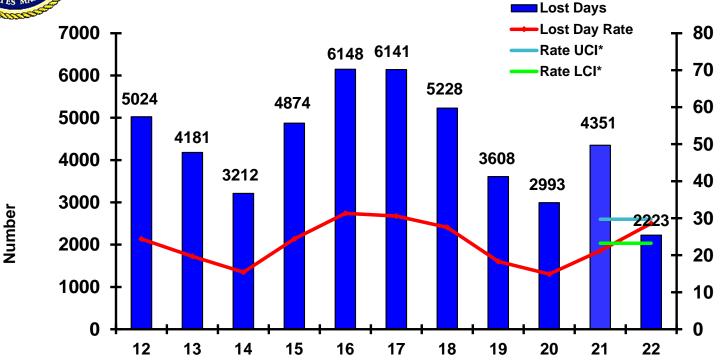


CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE:
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY
RATE:

<u>6-Jul-22</u>	<u>6-Jul-21</u>	
3/2.10	9/4.88	
6/3.21		
7.30/3.76		



CIVILIAN LOST WORK DAY



LOST WORK DAY FY RATE COMPARISON:

5-YEAR AVERAGE (FY17-21) LOST WORK DAY RATE:

FY21 LOST WORK DAY RATE:

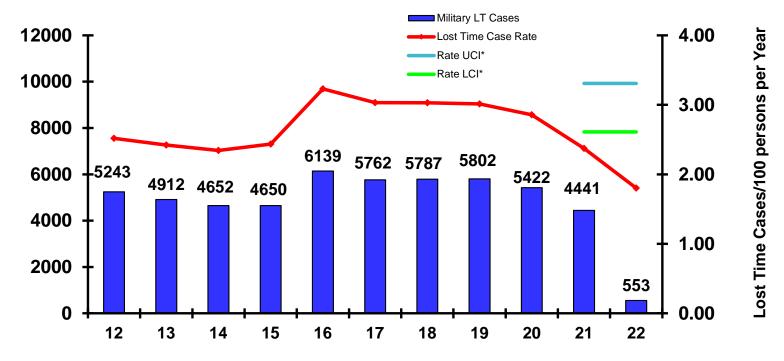
15 Jan 22 28.61 21.19 22.63

*see last slide for definition of UCI/LCI



Number

MILITARY LOST TIME CASE RATE



LOST WORK TIME CASE RATE: 2.18
FY21 LOST TIME CASE RATE: 2.37
5-YEAR AVERAGE (FY17-21) LOST TIME CASE RATE: 2.95

^{*}see last slide for definition of UCI/LCI.

Navy Short Narratives

USN AVIATION CLASS A MISHAPS (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)

- 17 Jun 2022 (Pacific Ocean) MH-60S lost external load during VERTREP. No aircraft damage or injuries reported.
- 9 Jun 2022 (IVO NAF El Centro, CA) MH-60S crashed during training flight. 4 x injured aircrewmen.
- 3 Jun 2022 (IVO NAWS China Lake, CA) F/A-18E crashed during training flight, one fatality.
- 1 Jun 2022 (NAS Lemoore CA) SVM seriously injured while conducting maintenance on an F-35C.
- 23 May 2022 (IVO NAS Key West, FL) F/A-18F experienced inflight emergency, landed safely at airfield, no injury to aircrew.
- 30 Mar 2022 (IVO Wallops Island, VA) E-2D crashed, two aircrew injured, one deceased.
- 24 Jan 2022 (Location withheld OPSEC) F-35C crashed during landing, pilot ejected. No fatalities.
- 12 Jan 2022 (Smithfield, VA) MH-60S made emergency landing, no significant injuries.
- 29 Nov 2021 (Location Withheld OPSEC) F/A-18E suffered a system failure while airborne. Aircraft recovered safely, but subsequent inspections revealed suspected Class A damage to the airframe. No injuries.
- 24 Nov 2021 (Location Withheld OPSEC) Dipping sonar separated from cable during ASW exercise. Aircraft safely recovered. No injuries reported.
- 4 Oct 2021 (IVO Death Valley National Park, CA) F/A-18F crashed in the vicinity of Death Valley National Park. Single aircrew ejected successfully with non-life threatening injuries.

USN AFLOAT CLASS A MISHAPS

- 2 Apr 2022 (Puget Sound Naval Shipyard, Bremerton, WA) Damage to sub incurred in shipyard
- 23 Mar 2022 (NAVSTA Mayport, FL) Damage to ship incurred in shipyard.
- 11 Feb 2022 (Location Withheld OPSEC). USS Ship had a main reduction gear casualty, no injuries to crew.
- 21 Jan 2022 (Location Withheld OPSEC) USS Ship received damage to sonar dome. No injuries to crew.
- 8 Nov 2021 (Location Withheld OPSEC) USS Ship SM-3 system damaged while conducting maintenance.
- 8 Oct 2021 (Location Withheld OPSEC) USS Ship shaft bearing damaged while underway for training.
- 2 Oct 2021 (Location Withheld OPSEC) USS Submarine allision.

USN SHORE CLASS A MISHAPS

- 3 May 2022 (Gulfport, MS) While launching a small boat, a government service employee fell in the water and drowned.
- 5 Apr 2022 (Brad, TX) F-35B engine received FOD damage in contractor custody.
- 7 Dec 2021 (Location Withheld OPSEC) Boat took on water while moored and sunk.
- 4 Dec 2021 (Virginia Beach, VA) SVM injured during training exercise. Succumbed to injuries on 7 Dec 2021.

Navy Short Narratives

USN PHYSICAL TRAINING CLASS A MISHAPS

4 Feb 2022 (NAB Coronado, CA) SVM died at hospital after physical training.

USN ON-DUTY MOTOR VEHICLE CLASS A MISHAPS

• 3 Jun 2022 (Jacumba, CA) SVM died in government motor vehicle.

USN PRIVATE MOTOR VEHICLE FATALITIES

- 29 Jun 22 (Juffair, Bahrain) SVM involved in motorcycle accident, died at scene.
- 14 Jun 2022 (Summerville, SC) SVM involved in a motor vehicle accident that resulted in permanent disability.
- 13 Jun 2022 (Jacksonville, FL) SVM involved in a motor vehicle accident. Exited the vehicle and was struck by another vehicle. Succumbed to injuries at hospital on 14 Jun 2022.
- 30 May 2022 (San Diego, CA) SVM struck by vehicle while walking along freeway, died at scene.
- 24 May 2022 (Jacksonville, FL) SVM involved in motorcycle accident and died.
- 12 May 2022 (Jacksonville, FL) SVM involved in a motorcycle accident, died at hospital.
- 8 May 2022 (Jacksonville, FL) SVM involved in a motorcycle accident, died at scene.
- 18 Apr 2022 (Ventura, CA) SVM involved in a motorcycle accident, died at scene.
- 1 Apr 2022 (Beaumont, CA) SVM involved in motor vehicle accident, died on scene.
- 26 Mar 2022 (North Charleston, SC) SVM involved in a motorcycle accident, died at hospital.
- 1 Mar 2022 (New Orleans, LA) SVM struck by motor vehicle and died.
- 13 Feb 2022 (Camarillo, CA) SVM died in a motorcycle accident.
- 22 Jan 2022 (Jacksonville, FL) SVM involved in a motor vehicle accident and died.
- 28 Dec 2021 (La Porte County, IN) SVM involved in a motor vehicle accident. Deceased at scene.
- 20 Dec 2021 (Isle of Wight, VA) SVM in motor vehicle accident, deceased at scene of accident.
- 4 Oct 2021 (San Diego, CA) 2 x SVM involved in motor vehicle accident, 1 x SVM succumbed to injuries on 9 Oct 21.
- 2 Oct 2021 (San Diego, CA) SVM lost control of motorcycle, hit wall, fell and died.
- 1 Oct 2021 (Augusta, GA) SVM fell off motorcycle, hit by automobile, died at hospital.

Navy Short Narratives

USN OFF-DUTY/RECREATIONAL FATALITIES

- 11 Jun 2022 (Norfolk, VA) SVM riding ATV on public road, rolled over resulting in death.
- 30 May 2022 (Portsmouth, VA) SVM drowned while canoeing.
- 26 Dec 2021 (Jacksonville, FL) SVM died in a recreational plane crash.
- 12 Nov 2021 (Ridgecrest, CA) SVM perished in a private civilian aircraft.

Marine Corps Short Narratives

USMC AVIATION CLASS A MISHAPS (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)

- 8 Jun 2022 (IVO MCAS Yuma, AZ) MV-22B crashed during a training flight. Five fatalities.
- 18 Mar 2022 (IVO Bodo, Norway) MV-22B crashed during training flight. Four fatalities.
- 3 Mar 2022 (IVO Lobeco, SC) F/A-18D crashed shortly after takeoff. Two crewmembers ejected successfully.
- 16 Feb 2022 (MCAS Yuma, AZ) CH-53E aviation ground mishap. No injuries to aircrew.
- 27 Jan 2022 (MCAS Yuma, AZ) F-35B experienced engine damage during a post-maintenance ground turn. No injuries reported.
- 6 Jan 2022 (McGuire AFB, NJ) AH-1Z crashed on final. No injuries or fatalities reported.

USMC GROUND CLASS A MISHAPS

- 8 Jun 2022 (Zanesville, OH) SVM involved in a parachute mishap, resulting in permanent disability.
- 17 Apr 2022 (Pyramid Rock Beach, MCB Kanehoe Bay, HI) SVM drowned during training.
- 3 Oct 2021 (Twenty-Nine Palms, CA) SVM received gunshot wound to chest while conducting dry fire rehearsal training. Died at scene.

USMC PHYSICAL TRAINING CLASS A MISHAPS

• 2 Jun 2022 (Wilmington, NC) SVM collapsed during PFT, died at hospital.

USMC ON-DUTY MOTOR VEHICLE CLASS A MISHAPS

- 29 Apr 2022 (Sneads Ferry, NC) Government Civilian involved in a motorcycle accident that resulted in permanent disability.
- 19 Jan 2022 (Sneads Ferry, NC). SVMs involved in a military vehicle accident. Two deceased at scene.

USMC PRIVATE MOTOR VEHICLE FATALITIES

- 3 Jul 2022 (Torrington, CT) SVM involved in a motorcycle accident, died at the hospital.
- 18 Jun 2022 (Jacksonville, NC) SVM involved in a motor vehicle accident, died at scene.
- 18 Jun 2022 (IVO MCAS New River, NC) 2 x SVM involved in motor vehicle accident, both died at scene.
- 17 Jun 2022 (IVO Camp Lejeune MCB, NC) SVM involved in head-on collision while riding motorcycle, succumbed to injuries at hospital on 19 Jun 2022.
- 28 May 2022 (Wilmington, NC) SVM involved in motorcycle accident, died from injuries on 2 Jun 2022.
- 15 May 2022 (Deming, NM) SVM involved in a motorcycle accident, died at scene.
- 15 May 2022 (Malibu, CA) SVM involved in a motorcycle accident, died at scene.
- 14 May 2022 (Camp Foster, Japan) SVM involved in a motor vehicle accident, died at the hospital.

Marine Corps Short Narratives

USMC PRIVATE MOTOR VEHICLE FATALITIES (continued)

- 26 Mar 2022 (Carlsbad, CA). SVM involved in a motorcycle accident, died at hospital.
- 18 Mar 2022 (Murray, UT) SVM struck by vehicle while crossing street and died.
- 12 Mar 2022 (Charleston, WV) SVM in a POOLEE status involved in motor vehicle accident, died at hospital.
- 7 Mar 2022 (San Antonio, TX) SVM involved in an automobile accident, died at scene.
- 5 Feb 2022 (Greenbelt, MD) SVM was passenger in motor vehicle accident, died on scene.
- 4 Feb 2022 (Noborikawa, Japan) SVM involved in motor vehicle accident, died at the hospital.
- 4 Feb 2022 (Uruma, Japan) SVM involved in motor vehicle accident, died at the hospital.
- 30 Dec 2021 (Palm Springs, CA) SVM was riding a dirt bike off-road. The SVM attempted to cross a road, was hit by a semitruck, and died at hospital.
- 6 Dec 2021 (Oceanside, CA) While assisting a wrecked vehicle on freeway, SVM struck by another vehicle. SVM deceased.
- 5 Dec 2021 (Wilmington, NC) SVM struck by vehicle while crossing street. Deceased on 9 Dec 21.
- 4 Dec 2021 (Camp Pendleton, CA) SVM involved in motorcycle accident. Pronounced deceased at scene.
- 20 Nov 2021 (Greenville, NC) SVM involved in motorcycle accident. Deceased on 4 Dec 2021.
- 6 Nov 2021 (Chandler, AZ) SVM involved in a motorcycle accident, died at hospital.
- 5 Nov 2021 (Okinawa, Japan) SVM lost control of vehicle, admitted to hospital. Died on 17 Nov 2021.
- 26 Oct 2021 (Ramona, CA) USNR on active duty attached to USMC unit involved in a single vehicle accident. Deceased at scene.
- 17 Oct 2021 (Ponchatoula, LA) SVM died in a multi-vehicle accident.

USMC OFF-DUTY/RECREATIONAL FATALITIES

- 23 Dec 2021 (Waterfall, PA) SVM on leave, died in a house fire.
- 16 Oct 2021 (Washington, DC) SVM died on 17 October from head injury after falling down the stairs.
- 9 Oct 2021 (McCLoud, OK) SVM went swimming in a lake and drowned.



Mishap Confidence Interval



- UCI = Upper Confidence Interval
 LCI = Lower Confidence Interval
- Rate values above the UCI or below the LCI infer a <u>statistically significant change is</u> <u>probable</u>. This is only an indicator. Significance cannot be determined until endof-year.
- Values between the UCI and LCI infer that nothing significant has occurred to increase or decrease mishap rate.

(Confidence Interval is based on: Poisson Rate related to a Chi Squared Distribution and calculated using FY16-20 data except for the Lost Work Days and Lost Time Case slides which were based on a normal distribution).