CLASS A FLIGHT MISHAPS
Manned Aircraft Only

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 5/0.61
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 8.10/0.93

15-Apr-20  4/0.92     15-Apr-19  2/0.46

*see last slide for definition of UCI/LCI
CLASS A AVIATION MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 8/0.97
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 10.80/1.25

15-Apr-20  4/0.92  15-Apr-19  4/0.92

*see last slide for definition of UCI/LCI
CLASS A AFLOAT MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 5/1.62
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 5.20/1.68

15-Apr-20  15-Apr-19
4/2.39   1/0.60

*see last slide for definition of UCI/LCI
CLASS A SHORE ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- **15-Apr-20**: 0/0.00
- **15-Apr-19**: 5/2.58

FY19 MISHAPS/MISHAP RATE: 6/1.68

10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 3.30/0.95

*see last slide for definition of UCI/LCI*
PHYSICAL TRAINING FATALITIES

FATALITIES/FATALITY RATE FY COMPARISON:


Fatality Numbers
Fatality Rate
Rate UCI*
Rate LCI*

15-Apr-20 15-Apr-19
2/1.03 1/0.52
3/0.84
3.10/0.89

*see last slide for definition of UCI/LCI
CLASS A ON-DUTY MV MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 1/0.28
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 1.50/0.43

*see last slide for definition of UCI/LCI
TOTAL CLASS A ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 23/6.45
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 23.90/6.85

*see last slide for definition of UCI/LCI
ON-DUTY FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 5/1.40
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 11.50/3.30

15-Apr-20 15-Apr-19
4/2.07 1/0.52

*see last slide for definition of UCI/LCI
### Class A Fatalities/Fatality Rate FY Comparison

**FY19 Fatalities/Fatality Rate:**

- **Fatality Numbers:** 11
- **Fatality Rate:** 5.68

**FY10-19 (10-Year Average)**

- **Fatality Numbers:** 27
- **Fatality Rate:** 7.57

- **UCI Rate:** 9.08
- **LCI Rate:** 9.08

---

*see last slide for definition of UCI/LCI*
4-WHEEL PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 11/3.08
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 13.10/3.75

pedestrian fatalities not included

*see last slide for definition of UCI/LCI
CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 15/4.21
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 16.00/4.58

15-Apr-20  15-Apr-19
4/2.07       7/3.61

*see last slide for definition of UCI/LCI
OFF-DUTY/REC FATALITIES

Class A Fatalities/Fatality Rate FY Comparison:
- FY19 Fatalities/Fatality Rate: 5/1.40
- 10-Year Average (FY10-19) Fatalities/Fatality Rate: 8.60/2.46
- 15-Apr-20: 5/2.58
- 15-Apr-19: 2/1.03

*see last slide for definition of UCI/LCI
CIVILIAN LOST WORK DAY

LOST WORK DAY FY RATE COMPARISON:
FY19 LOST WORK DAY RATE: 18.40
5-YEAR AVERAGE (FY15-19) LOST WORK DAY RATE: 25.13

*see last slide for definition of UCI/LCI
MILITARY LOST TIME CASE RATE

Lost Work Time Case Rate: 1.94
FY18 Lost Time Case Rate: 2.21
5-Year Average (FY14-18) Lost Time Case Rate: 2.20

*see last slide for definition of UCI/LCI
**CLASS A FLIGHT MISHAPS**

Manned Aircraft Only

**CLASS A FM/FM RATE FY COMPARISON:**

<table>
<thead>
<tr>
<th></th>
<th>15-Apr-20</th>
<th>15-Apr-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY19 MISHAPS/MISHAP RATE:</td>
<td>0/0.00</td>
<td>3/2.31</td>
</tr>
<tr>
<td>10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE:</td>
<td>7/2.96</td>
<td>6.80/2.65</td>
</tr>
</tbody>
</table>
CLASS A AVIATION MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

15-Apr-20  15-Apr-19
0/0.00     4/3.08

FY19 MISHAPS/MISHAP RATE: 8/3.38
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 8.20/3.16
**CLASS A GROUND ON-DUTY MISHAPS**

**CLASS A MISHAPS/MISHAP RATE FY COMPARISON:**

- **15-Apr-20:** 0/0.00
- **15-Apr-19:** 2/1.91

**FY19 MISHAPS/MISHAP RATE:** 6/3.12

**10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE:** 6.30/3.12

*see last slide for definition of UCI/LCI*
PHYSICAL TRAINING FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 2/1.04
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 1.60/0.81

*see last slide for definition of UCI/LCI
CLASS A ON-DUTY MV MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY19 MISHAPS/MISHAP RATE: 3/1.56
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 3.50/1.73

15-Apr-20  15-Apr-19
2/1.92     1/0.96

*see last slide for definition of UCI/LCI
TOTAL CLASS A ON-DUTY MISHAPS

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
FY19 MISHAPS/MISHAP RATE: 17/8.85
10-YEAR AVERAGE (FY10-19) MISHAPS/MISHAP RATE: 18.00/8.98

*see last slide for definition of UCI/LCI
ON-DUTY FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 15/7.81
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 18.30/9.13

15-Apr-20  2/1.92
15-Apr-19  10/9.57

*see last slide for definition of UCI/LCI
PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 27/14.05
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 32.00/16.01

15-Apr-20  17/16.35
15-Apr-19  12/11.49

*see last slide for definition of UCI/LCI
4-WHEEL PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

- **FY19 FATALITIES/FATALITY RATE:** 17/8.85
- **10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE:** 16.00/7.96

**15-Apr-20** 9/8.66  **15-Apr-19** 6/5.74

pedestrian fatalities not included

*see last slide for definition of UCI/LCI*
MOTORCYCLE PMV FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:
FY19 FATALITIES/FATALITY RATE: 7/3.64
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 13.30/6.69

*see last slide for definition of UCI/LCI
OFF-DUTY/REC FATALITIES

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:

FY19 FATALITIES/FATALITY RATE: 8/4.16
10-YEAR AVERAGE (FY10-19) FATALITIES/FATALITY RATE: 8.20/4.08

15-Apr-20 15-Apr-19
2/1.92 5/4.79

*see last slide for definition of UCI/LCI
CIVILIAN LOST WORK DAY

LOST WORK DAY FY RATE COMPARISON:

FY19 LOST WORK DAY RATE: 12.90
5-YEAR AVERAGE (FY15-19) LOST WORK DAY RATE: 18.40

*see last slide for definition of UCI/LCI
MILITARY LOST TIME CASE RATE

Number

Lost Time Cases/100 persons per Year

0 2000 4000 6000 8000 10000 12000

0 1.00 2.00 3.00 4.00

30 Sep 19

LOST WORK TIME CASE RATE: 2.82
FY18 LOST TIME CASE RATE: 2.94
5-YEAR AVERAGE (FY14-18) LOST TIME CASE RATE: 2.72

*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)
  27 Jan 2020: (VACAPES / W-122) F/A-18F received FOD damage to both engines during day in flight refueling training flight.
  25 Jan 2020: (Philippine, Sea) MH-60S went down in open ocean during daytime flight off ship. All crew members were rescued.
  16 Dec 2019: (W-72 Range) F/A-18F had FOD damage as receiving aircraft after basket slap during inflight refueling.
  02 Oct 2019: (NAS Pax River, MD) E-6B struck bird and sustained engine damage during touch and go landing. Aircraft landed safely, no injuries.

- **USN AFLOAT CLASS A MISHAPS**
  10 Mar 2020: (Eastern Mediterranean) E-5 died from injuries after he fell down a ladderwell.
  03 Dec 2019: (San Diego Op Area) Flooding on LHD caused damage to cargo.
  29 Nov 2019: (San Diego, CA) Class C fire on MCM caused extensive damage to Main Machinery Room.
  14 Nov 2019: (Jacksonville, FL) Fire on LHD cause damage in cargo hold. Eleven sailors were treated for minor injuries and released.

- **USN SHORE CLASS A MISHAPS**

- **USN PHYSICAL TRAINING CLASS A MISHAPS**
  08 Feb 2020: (Annapolis, MD) Midshipman collapsed following a Physical Readiness Test and transported to a medical center where he died.
  15 Nov 2019: (FT MEADE, MD) E-6 died after collapsing on a treadmill during a Physical Readiness Test (PRT).

- **USN ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  18 Dec 2019 (Pomonkey, MD) CIV died in a single vehicle accident resulting in a fire after striking a tree.
  30 Nov 2019: (Virginia Beach, VA) E-4 died while on patrol in a multi-vehicle collision after being hit head-on.
Navy Short Narratives (continued)

- **USN PRIVATE MOTOR VEHICLE FATALITIES**
  27 Mar 2020: (Virginia Beach, VA) E-5 died after being struck by a vehicle after exiting her car.
  22 Feb 2020: (Jacksonville, FL) E-3 died in a fatal motorcycle accident.
  13 Feb 2020: (San Diego, CA) E-5 was struck by another vehicle while pulled over on the side of the road. He later died in the hospital from injuries sustained from the accident.
  14 Dec 2019: (Waukegan, IL) E-4 died in a multiple vehicle accident after a head-on collision.
  08 Dec 2019: (Gulfport, MS) E-4 died after losing control of the motorcycle on a patch of gravel. The other service member on second motorcycle was released with minor injuries.
  02 Dec 2019: (San Diego, CA) O-4 died after being struck by a vehicle while jogging.
  01 Dec 2019: (Saint Marys, GA) E-8 died after being struck by a vehicle while walking along the roadway.
  06 Nov 2019: (San Diego, CA) E-7 died in a single-vehicle motorcycle mishap.
  27 Oct 2019: (Mobile, AL) E-6 died from injuries after automobile struck a tree. He died from his injuries on 30 Oct 2019 in a hospital.
  20 Oct 2019: (Twentynine Palms, CA) E-4 died in a multi-vehicle mishap (other vehicle fatality recorded in Marine stats).
  05 Oct 2019: (Sinajana, Guam) E-5 was found down with motorcycle alongside a roadway with no other vehicles. Transported to Guam Memorial Hospital and pronounced dead.

- **USN OFF-DUTY/RECREATIONAL FATALITIES**
  07 Apr 2020: (Charleston, SC) E-4 died from an accidental discharged firearm.
  11 Jan 2020: (Agana, Guam) E-4 was found unconscious while snorkeling. Declared deceased at Naval Hospital Guam.
  01 Jan 2020: (Goose Creek, SC) E-3 died from injuries sustained in a single-vehicle off-road accident.
  22 Nov 2019: (Odenton, MD) E-4 died after being found unresponsive by roommate.
  20 Oct 2019: (Glen Burnie, MD) E-4 found unresponsive on his couch after a night of socializing.
Marine Corps Short Narratives

- **USMC AVIATION CLASS A MISHAPS** (includes UAS/UAV, FRMs and AGMs not included in the Flight Slide)
  No mishap this FY.

- **USMC GROUND CLASS A MISHAPS**
  No mishap this FY.

- **USMC PHYSICAL TRAINING CLASS A MISHAPS**
  No mishap this FY.

- **USMC ON-DUTY MOTOR VEHICLE CLASS A MISHAPS**
  10 Mar 2020: (Camp Al Hamra, UAE) E-4 died in a roll-over of an Medium Tactical Vehicle Replacement. Two other Marines injured.
  20 Oct 2019: (Bridgeport, CA) E-2 died in a M1151 HMMWV Enhanced Armament Carrier mishap at Mountain Warfare Training Center (MWTC) during a training exercise.

- **USMC PRIVATE MOTOR VEHICLE FATALITIES**
  11 Apr 2020: (Pomona, CA) E-4 died after being struck by a vehicle while stopped on the side of the road.
  04 Apr 2020: (Crestview, FL) E-3 died in a single vehicle accident while on emergency leave.
  14 Mar 2020: (Fallbrook, CA) E-2 died in a single vehicle mishap after the vehicle swerved off the freeway down a 100 foot slope.
  22 Feb 2020: (San Diego, CA) E-5 died in a motorcycle accident.
  31 Jan 2020: (North Charleston, SC) E-1 was involved an automobile mishap. He was transported to a Medical Center where he died from his injuries.
  26 Jan 2020: (Oceanside, CA) E-5 died after being struck by a vehicle while walking alongside the highway.
  14 Jan 2020: (Carlsbad, CA) E-3 died in a multi-vehicle mishap after colliding with another vehicle that was traveling in the opposite direction of traffic.
Marine Corps Short Narratives (continued)

- **USMC PRIVATE MOTOR VEHICLE FATALITIES** (Con’t)
  12 Jan 2020: (Wichita, KS) E-1 died after being struck by a vehicle while on the side of the road on his broken down motorcycle.
  29 Dec 2019: (Irving, TX) E-3 died on 30 Dec from injuries as passenger in a single-vehicle crash.
  31 Oct 2019: (Burbank, CA) E-4 died in a motorcycle accident after being struck by two vehicles.
  28 Oct 2019: (Murrieta, CA) E-6 involved in a fatal traffic multi-vehicle accident.
  20 Oct 2019: (Twentynine Palms, CA) E-2 passenger died in a multi-vehicle mishap (other vehicle fatality recorded in Navy stats).
  11 Oct 2019: (Beaufort, SC) E-4 died after being struck by a vehicle after pulling over to assist another vehicle.
  10 Oct 2019: (Plum Branch, SC) E-4 driver and E-3 passenger died in a single vehicle accident.
  09 Oct 2019: (Escondido, CA) E-5 was involved in a motorcycle accident. He died on 15 Oct 2019 at a medical center.
  05 Oct 2019: (Jacksonville, NC) E-6 died in a motorcycle accident after driving over a raised curb and striking a post.

- **USMC OFF-DUTY/RECREATIONAL FATALITIES**
  09 Mar 2020: (Oceanside, CA) E-1 died from an accidental drowning.
  02 Mar 2020: (Camp Johnson, NC) E-2 was discovered in barracks room unresponsive.
Mishap Confidence Interval

- UCI = Upper Confidence Interval    LCI = Lower Confidence Interval

- Rate values above the UCI or below the LCI infer a statistically significant change is probable. This is only an indicator. Significance cannot be determined until end-of-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 FY14-18 data except for the Lost Work Days and Lost Time Case slides which were based on a normal distribution).