CLASS A FLIGHT MISHAPS

Manned Aircraft Only

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE: 9/1.09

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

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

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

6-Jul-22  11/1.77  6-Jul-21  8/1.29

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

- **6-Jul-22**: 7/2.96
- **6-Jul-21**: 1/0.42

FY21 MISHAPS/MISHAP RATE: 1/0.32

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

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

Mishap Numbers

Mishap Rate

Rate UCI*

Rate LCI*

Mishap Numbers

Mishap Rate

Rate UCI*

Rate LCI*

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE: 0/0.00

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

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- **6-Jul-22**: 5/6.54
- **6-Jul-21**: 1/1.00
- **FY21 MISHAPS/MISHAP RATE**: 1/1.00
- **10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE**: 3.30/3.30

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- 6-Jul-22: 0/0.00
- 6-Jul-21: 0/0.00

FY2021 MISHAPS/MISHAP RATE: 0/0.00
10-YEAR AVERAGE (FY2012-FY2021) MISHAPS/MISHAP RATE: 0.40/0.13

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

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

6-Jul-22 6-Jul-21
0/0.00 0/0.00

*see last slide for definition of UCI/LCI
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

6-Jul-22 6-Jul-21
4/1.42 5/1.78

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

FATALITIES/FATALITY RATE FY COMPARISON:
FY21 FATALITIES/FATALITY RATE: 1/0.27
10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY RATE: 2.80/0.81

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE: 3/0.82
10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 1.90/0.54

6-Jul-22 | 6-Jul-21
---|---
1/0.36 | 3/1.07

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

FY21 MISHAPS/MISHAP RATE: 26/7.07
10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE: 24.70/7.11

6-Jul-22 24/8.54 6-Jul-21 18/6.41

*see last slide for definition of UCI/LCI
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 6/2.14
6-Jul-21 7/2.49
14/3.81
11.50/3.32

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

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

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<tr>
<th>Year</th>
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<th>Rate UCI*</th>
<th>Rate LCI*</th>
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Pedestrian Fatalities this FY: 3

*see last slide for definition of UCI/LCI
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

see last slide for definition of UCI/LCI
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 10/3.56
6-Jul-21 12/4.28
16/4.35
15.80/4.56

*see last slide for definition of UCI/LCI

Pedestrian Fatalities not included
OFF-DUTY/REC FATALITIES

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

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

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

Lost Days/100 persons per Year

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09 Apr 22

LOST WORK DAY FY RATE COMPARISON:

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

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

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**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
CLASS A FLIGHT MISHAPS
Manned Aircraft Only

CLASS A FM/FM RATE FY COMPARISON:

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6-Jul-22  4/2.25  6-Jul-21  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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- 6-Jul-22: 6/3.37
- 6-Jul-21: 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

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</table>

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

- **6-Jul-22**: 3/2.10
- **6-Jul-21**: 2/1.40

- **FY21 MISHAPS/MISHAP RATE**: 5/2.67
- **10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE**: 6.00/3.07

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

**CLASS A FATALITIES/FATALITY RATE FY COMPARISON:**

**FY21 FATALITIES/FATALITY RATE:**

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

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:
- **FY21 MISHAPS/MISHAP RATE:** 0/0.00
- **10-YEAR AVERAGE (FY12-FY21) MISHAPS/MISHAP RATE:** 2.80/1.42

**6-Jul-22** 2/1.40  **6-Jul-21** 0/0.00

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

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

- 6-Jul-22: \(11/7.69\)
- 6-Jul-21: \(3/0.00\)

FY21 MISHAPS/MISHAP RATE: \(6/3.21\)

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

*see last slide for definition of UCI/LCI*
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  14/9.78
6-Jul-21  2/1.40

5/2.67
16.00/8.20

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

**CLASS A FATALITIES/FATALITY RATE FY COMPARISON:**

**FY21 FATALITIES/FATALITY RATE:**
- 6-Jul-22: 24/16.77
- 6-Jul-21: 22/15.40

**10-YEAR AVERAGE (FY12-FY21) FATALITIES/FATALITY RATE:**
- 2012-2021: 28/14.96
- Average: 29.20/15.05

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

**CLASS A FATALITIES/FATALITY RATE FY COMPARISON:**

**FY21 FATALITIES/FATALITY RATE:**

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

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<th>Year</th>
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*see last slide for definition of UCI/LCI

Pedestrian Fatalities not included
MOTORCYCLE PMV FATALITIES

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

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<td>6.99</td>
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</table>

Pedestrian Fatalities not included

*see last slide for definition of UCI/LCI
OFF-DUTY/REC 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
3/2.10 9/4.88
6/3.21 7.30/3.76

*see last slide for definition of UCI/LCI

Civilian Fatalities not included (1 in FY22)
CIVILIAN LOST WORK DAY

<table>
<thead>
<tr>
<th>Year</th>
<th>Lost Days</th>
<th>Lost Day Rate</th>
<th>Rate UCI*</th>
<th>Rate LCI*</th>
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<td>2022</td>
<td>2223</td>
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</tr>
</tbody>
</table>

**Lost Work Day FY Rate Comparison: 28.61**

**FY21 Lost Work Day Rate: 21.19**

**5-Year Average (FY17-21) Lost Work Day Rate: 22.63**

*see last slide for definition of UCI/LCI*
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.

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.
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 semi-truck, 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 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 FY16-20 data except for the Lost Work Days and Lost Time Case slides which were based on a normal distribution).