

## V-22 FLIGHT MISHAP HISTORY (All Rates per 100,000 Flying Hours)

| YEAR            | CLASS A                        |                      | CLASS B                        |                      | DESTROYED                |                        | FATAL                    |                    | HOURS                | CUM HRS       |
|-----------------|--------------------------------|----------------------|--------------------------------|----------------------|--------------------------|------------------------|--------------------------|--------------------|----------------------|---------------|
|                 | Total Class A Mishaps          | Class A Rate         | Total Class B Mishaps          | Class B Rate         | Total Destroyed          | Destroyed Rate         | PILOT                    | ALL                |                      |               |
| FY00            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY01            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY02            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY03            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY04            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY05            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY06            | 0                              | 0.00                 | 1                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 0                    | 0             |
| FY07            | 0                              | 0.00                 | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 2,302                | 2,302         |
| FY08            | 0                              | 0.00                 | 1                              | 34.25                | 0                        | 0.00                   | 0                        | 0                  | 2,920                | 5,222         |
| FY09            | 1                              | 26.05                | 0                              | 0.00                 | 0                        | 0.00                   | 0                        | 0                  | 3,839                | 9,061         |
| FY10            | 1                              | 26.53                | 1                              | 26.53                | 1                        | 26.53                  | 1                        | 4                  | 3,770                | 12,831        |
| FY11            | 0                              | 0.00                 | 2                              | 37.57                | 0                        | 0.00                   | 0                        | 0                  | 5,323                | 18,154        |
| FY12            | 1                              | 16.74                | 2                              | 33.48                | 1                        | 16.74                  | 0                        | 0                  | 5,973                | 24,127        |
| FY13            | 0                              | 0.00                 | 1                              | 12.28                | 0                        | 0.00                   | 0                        | 0                  | 8,144                | 32,271        |
| FY14            | 0                              | 0.00                 | 5                              | 53.47                | 0                        | 0.00                   | 0                        | 0                  | 9,351                | 41,622        |
| FY15            | 0                              | 0.00                 | 6                              | 61.44                | 0                        | 0.00                   | 0                        | 0                  | 9,765                | 51,387        |
| FY16            | 0                              | 0.00                 | 4                              | 38.54                | 0                        | 0.00                   | 0                        | 0                  | 10,379               | 61,766        |
| FY17            | 0                              | 0.00                 | 7                              | 57.04                | 0                        | 0.00                   | 0                        | 0                  | 12,272               | 74,038        |
| FY18            | 2                              | 17.36                | 6                              | 52.07                | 0                        | 0.00                   | 0                        | 0                  | 11,523               | 85,561        |
| FY19            | 1                              | 9.15                 | 3                              | 27.46                | 0                        | 0.00                   | 0                        | 0                  | 10,924               | 96,485        |
| <b>Total</b>    | <b>6.00</b>                    |                      | <b>39.00</b>                   |                      | <b>2.00</b>              |                        | <b>1.00</b>              | <b>4.00</b>        |                      | <b>96,485</b> |
|                 | Average Annual Class A Mishaps | Average Class A Rate | Average Annual Class B Mishaps | Average Class B Rate | Average Annual Destroyed | Average Destroyed Rate | Average Pilot Fatal Rate | Average Fatal Rate | Average Annual Hours |               |
| <b>5 YR</b>     | <b>0.60</b>                    | <b>5.47</b>          | <b>5.20</b>                    | <b>47.39</b>         | <b>0.00</b>              | <b>0.00</b>            | <b>0.00</b>              | <b>0.00</b>        | <b>10,973</b>        |               |
| <b>10 YR</b>    | <b>0.50</b>                    | <b>5.72</b>          | <b>3.70</b>                    | <b>42.32</b>         | <b>0.20</b>              | <b>2.29</b>            | <b>1.14</b>              | <b>4.58</b>        | <b>8,742</b>         |               |
| <b>LIFETIME</b> | <b>0.30</b>                    | <b>6.22</b>          | <b>1.95</b>                    | <b>40.42</b>         | <b>0.10</b>              | <b>2.07</b>            | <b>1.04</b>              | <b>4.15</b>        | <b>4,824</b>         |               |

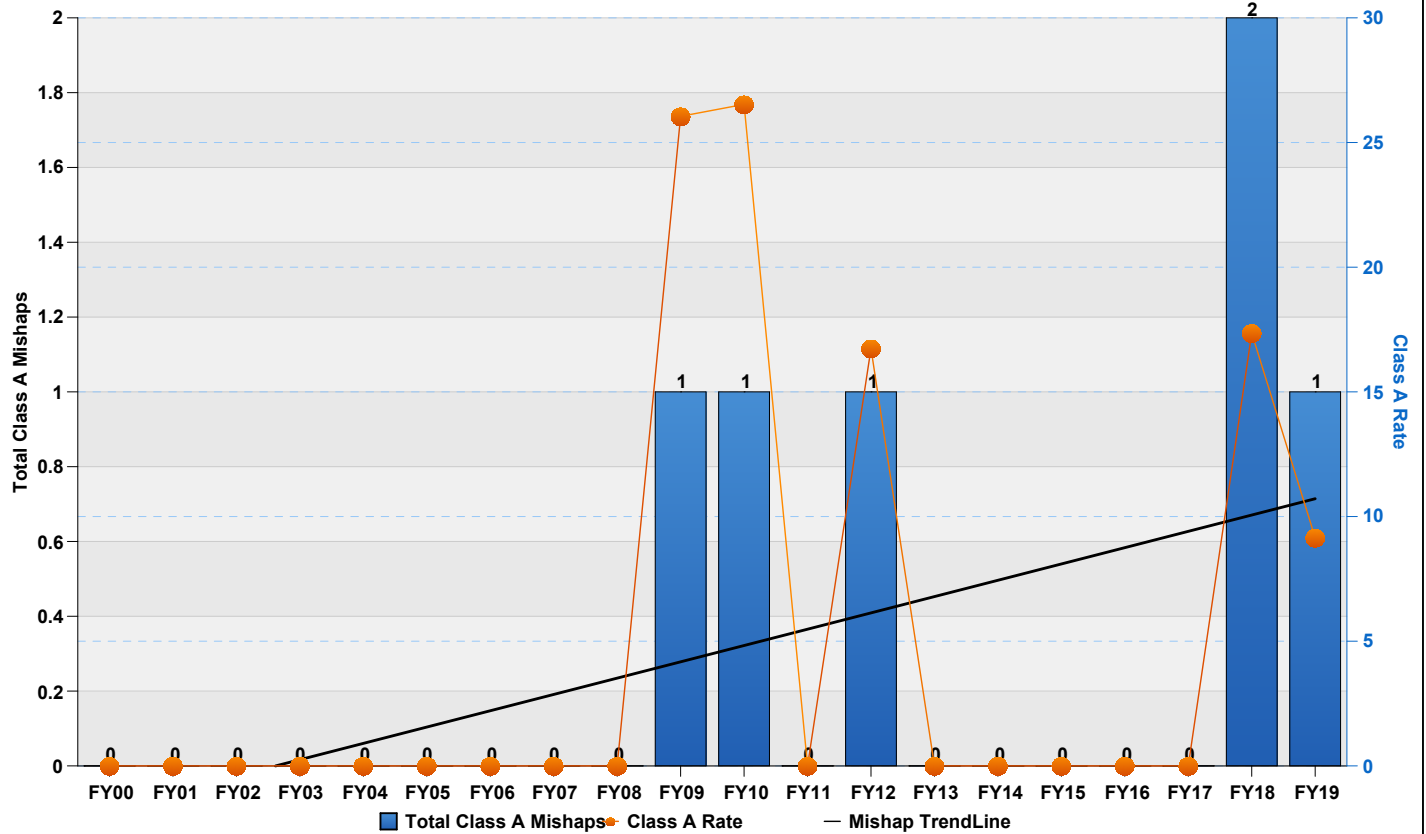
Flight "rates" are number of mishaps per 100,000 flight hours. Only Aviation "Flight" mishaps are reported here. An Aviation "Flight" mishap is any mishap in which there is intent for flight and reportable damage to a DoD aircraft. Explosives and chemical agents or guided missile mishaps that cause damage in excess of \$20,000 to a DoD aircraft with intent for flight are categorized as aircraft flight mishaps to avoid dual reporting. This is the only aviation mishap subcategory that contributes to the flight mishap rate (NOT flight-related or Aviation Ground Ops). Fiscal Years that have zero flying hours have been excluded.

**Class A Mishap.** A mishap resulting in one or more of the following: 1. Direct mishap cost totaling \$2,000,000 or more (\$1,000,000 for mishaps occurring before FY10). 2. A fatality or permanent total disability. 3. Destruction of a DoD aircraft. NOTE: A destroyed UAV/RPA is not a Class A mishap unless the preceding criteria in "1" or "2" are met. **Class B Mishap.** A mishap resulting in one or more of the following: 1. Direct mishap cost totaling \$500,000 or more but less than \$2,000,000 (\$200,000 to \$1,000,000 prior to FY10). 2. A permanent partial disability. 3. Inpatient hospitalization of three or more personnel. Does not count or include individuals hospitalized for observation, diagnostic, or administrative purposes that were treated and released.

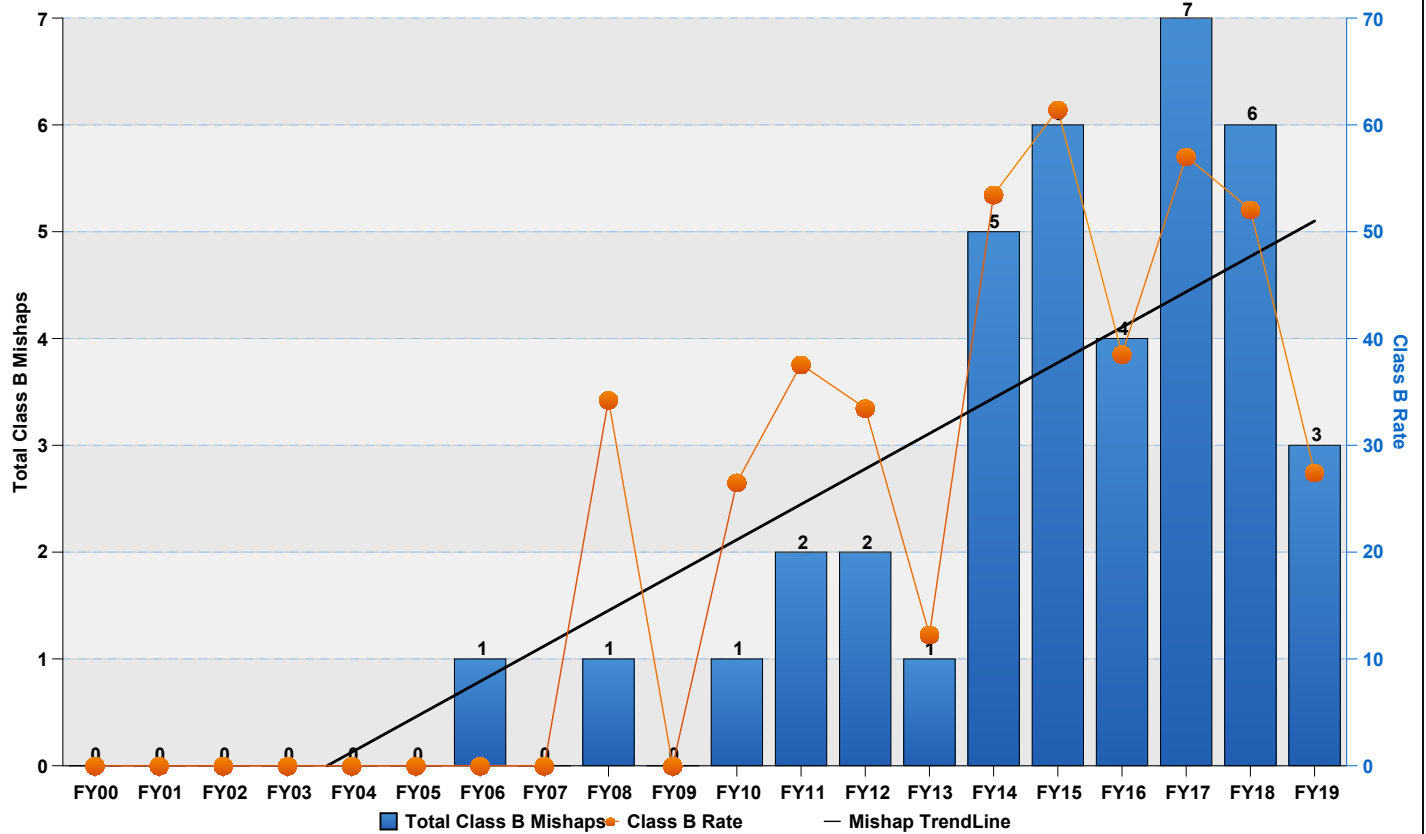
**Destroyed Aircraft:** Only aircraft owned, designated or leased as "USAF" are included. **Fatalities:** Pilot totals only include "USAF" personnel designated as "pilot" by the Safety Investigation Board. "All" fatalities include all aviation-related fatalities regardless of designation (USAF, foreign, civilian, etc) or role (pilot, operator, passenger, etc). Additionally, all aviation-related fatalities count toward fatality rate regardless if they resulted from a "flight" (rate-producing) mishap or not.

UPDATED 01-Nov-19

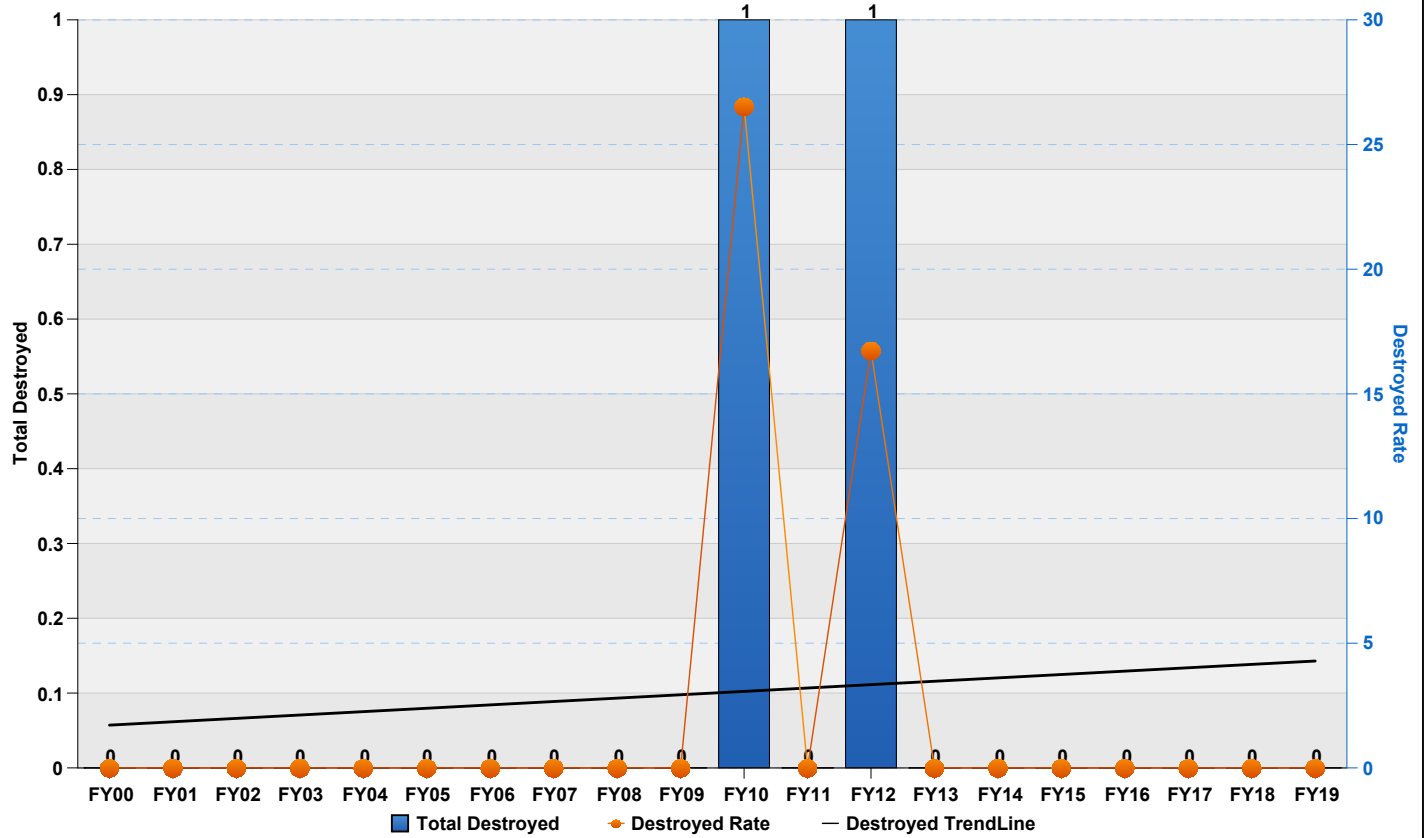
V-22 Class A Mishaps by Fiscal Year



V-22 Class B Mishaps by Fiscal Year



V-22 Destroyed Aircraft by Fiscal Year



V-22 Fatalities (All) by Fiscal Year

