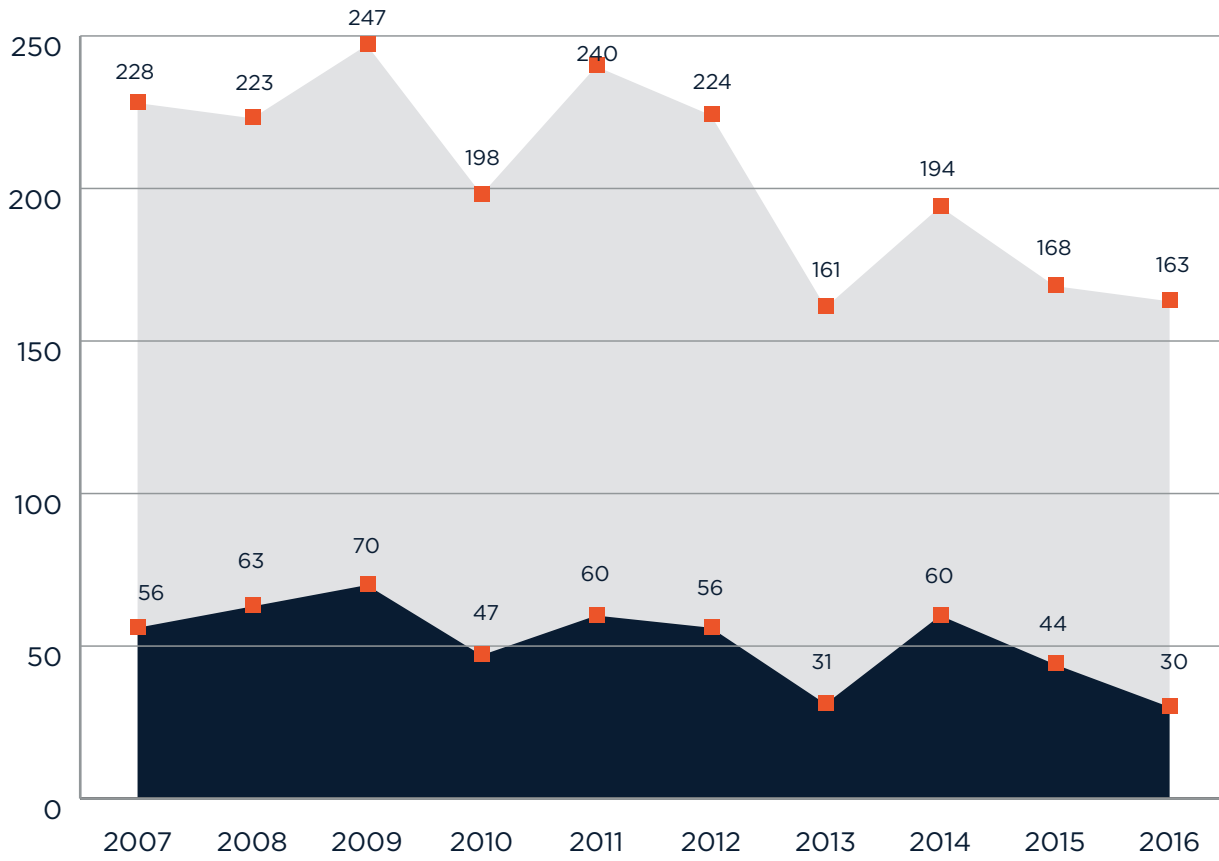


Experimental and light sport aircraft

Figure 5.1: Fixed-wing amateur-built accident trend



Experimental and light sport aircraft

Figure 5.2: Types of fixed-wing **amateur-built** accidents

| | Accidents | Fatal Accidents | Lethality |
|-------------------------|-----------|-----------------|-----------|
| Collision | 2 1.2% | 0 0.0% | 0.0% |
| Cruise | 2 1.2% | 0 0.0% | 0.0% |
| Descent / approach | 7 4.2% | 1 3.3% | 14.3% |
| Fuel management | 4 2.4% | 0 0.0% | 0.0% |
| Go-around | 8 4.8% | 1 3.3% | 12.5% |
| Incapacitation | 1 0.6% | 1 3.3% | 100.0% |
| Landing | 34 20.2% | 1 3.3% | 2.9% |
| Maneuvering | 12 7.1% | 9 30.0% | 75.0% |
| Mechanical | 44 26.2% | 6 20.0% | 13.6% |
| Not yet assigned | 1 0.6% | 1 3.3% | 100.0% |
| Other | 3 1.8% | 1 3.3% | 33.3% |
| Other (power loss) | 16 9.5% | 2 6.7% | 12.5% |
| Other / miscellaneous | 1 0.6% | 0 0.0% | 0.0% |
| Pre-flight | 4 2.4% | 2 6.7% | 50.0% |
| Rotorcraft aerodynamics | 2 1.2% | 0 0.0% | 0.0% |
| Take-off | 24 14.3% | 5 16.7% | 20.8% |
| Take-off / climb | 1 0.6% | 0 0.0% | 0.0% |
| Taxi | 1 0.6% | 0 0.0% | 0.0% |
| Weather | 1 0.6% | 0 0.0% | 0.0% |

Figure 5.3: Types of **amateur-built** aircraft involved in accidents

| | Accidents | Fatal Accidents | Lethality |
|---------------------------|-----------|-----------------|-----------|
| E-LSA | 25 14.9% | 2 6.7% | 8.0% |
| Single-engine fixed-gear | 123 73.2% | 23 76.7% | 18.7% |
| SEF tailwheel | 85 | 14 | 16.5% |
| Single-engine retractable | 13 7.7% | 5 16.7% | 38.5% |
| Single-engine turbine | 5 | 2 | 40.0% |
| Multiengine | 2 1.2% | 0 0.0% | 0.0% |
| Multiengine turbine | 1 | 0 | 0.0% |
| Helicopter | 5 3.0% | 0 0.0% | 0.0% |