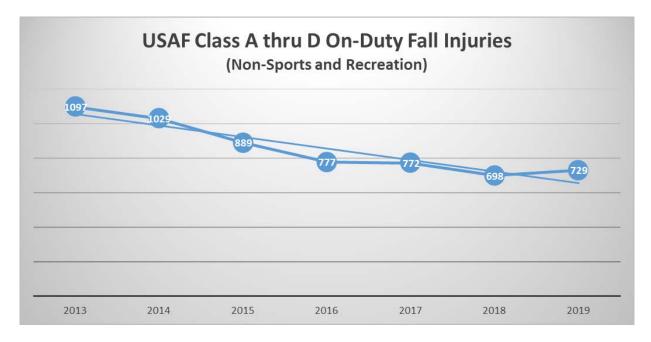
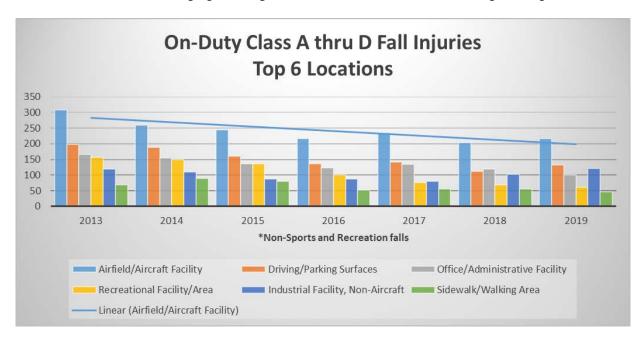
For the seventh year in a row, Air Force Occupational Safety will sponsor Fall Prevention Focus Week 20-24 July 2020, highlighting ways to reduce falls and preventable fatalities/injuries. Fall prevention is not only for the obvious hazards associated with activities related to heights, but also includes many everyday routine tasks, walking on stairs or simply walking down a hallway. Almost any time you are walking there is a risk of tripping or slipping.

Over the past several years, the Air Force has reduced non-sports-related fall injuries by almost 34% from 2013 to 2019, for class A through D on-duty mishaps.



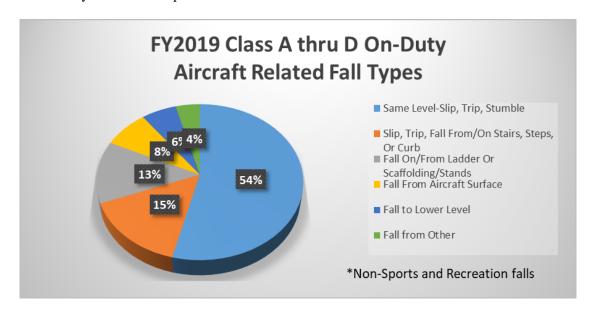
Since at least 2013 the leading location for non-sports and recreation fall injuries has been Airfield & Aircraft Facilities, averaging 60% higher than the second location of Driving/Parking surfaces.



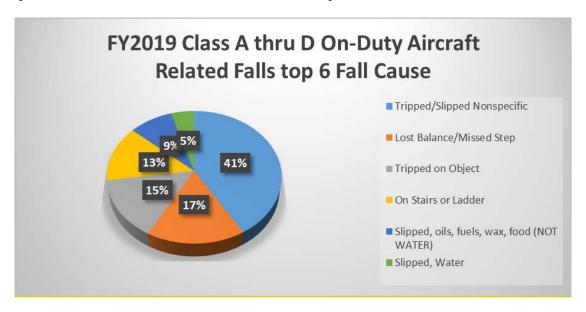
Over 96% of FY2019 non-sports-related fall injuries occurred in seven locations, with the largest again being Airfield/Aircraft Facility, making up 31% of fall injuries.



When we look at the type of falls related to Aircraft maintenance, the bulk of them occur on the same level followed by Stairs and Steps.



The top six (6) causes account for over 88% of these mishaps.



Below are some preventive actions that would have prevented some actual mishaps.

Mishap:	Recommended action:
A worker began performing a preflight on the aircraft	Based on the operation, the worker should
and required access to the top of the aircraft. The	have used a maintenance stand to access the
worker utilized the retractable crew boarding steps to	top of the aircraft. Even with the canopy open,
access the top of the left intake ramp. As the member	that edge is not designed to provide a safe step
reached over to place one leg onto the left intake lip	to access the top of the aircraft. Using an
to move onto the aircraft, the member lost footing	appropriate stand prevents the need to climb
from the ladder falling approximately 15 feet onto the	up to elevated positions using awkward
ground, fracturing the member's left wrist	techniques.
A worker needed to remove panels from an aircraft	The stand was in the wrong position creating a
where a maintenance stand was already in place next	fall hazard with the rail removed. The stand
to the aircraft (almost 2 ft. away) from a previous	should have been closer to the aircraft to
task. The worker ascended the stand and removed the	eliminate an unsafe working surface. In the
rail facing the aircraft. As the member opened the	event the stand could not be positioned to
upper panel and was attempting to open the lower	eliminate the fall hazard, fall protection is
panel when there're left foot slipped off the stand	required. Workers must be trained to
edge falling approximately 11 feet. Member laid on	understand the requirements to prevent this
the floor for approximately 5 to 10 minutes before	type of mishap.
being found by a contractor reporting for duty.	
Worker was descending a C-1 maintenance stand he	Equipment is required to be inspected
slipped and fell to the ground, herniating a disc in	periodically to ensure it is in usable condition.
his/her back. The investigation revealed the non-slip	The mishap stand was unsafe and should have
bumps were worn causing an unsafe walking surface.	been placed out of service or repaired before
	usage.
Worker disconnected airline from wall coupler and	Housekeeping is a factor in this mishap as the
stepped backward onto a creeper on the floor. The	creeper was not put away after its use and left
creeper rolled causing the worker to fall.	out creating an unsafe condition.

Worker was walking through the aircraft hangar	Good housekeeping could have prevented this
when they slipped on hydraulic fluid and fell to the	mishap. Investigation indicated the fluid was
floor, injuring their right knee.	drying indicating it had been present for some
	time.

SUMMARY:

When you look at many of these mishaps and read the investigation report frequently the investigator or supervisor mistakenly blame "Inattention" for the mishap. This is an easy way out without identifying the true cause of the mishap, it's easy to blame the worker. When you dig a little deeper you can surmise the underlying cause is to accomplish the mission in the quickest fashion.

However, is taking unnecessary risks, shortcuts or hurrying up to get the job done worth injury or death?

Every location and job task has unique hazards associated with it. There is no way anyone can give you an all-encompassing list to prevent all fall mishaps. Supervisors and workers need to ensure tasks are performed using the proper procedures, do a Job Hazard Analysis to identify potential hazards and address them accordingly.

A few general recommendations:

- Use proper Risk Management, accept no unnecessary risk.
- Supervisors and workers need to ensure tasks are performed using the proper procedures. Always do a Job Hazard Analysis to identify potential hazards and address them accordingly.
- Eliminate or reduce the hazard where possible:
 - o Evaluate the task to see if there is a safer way to perform it
 - Lift platform instead of a ladder
 - Inspection by mobile camera or drone
 - Use the proper tool/equipment for the task
 - o Maintain good housekeeping: Keep your tools, equipment, parts and any other debris clear or in a safe place from your work area.
 - o Add non-slip surface coatings or covers
- Use extreme caution when carrying items, get help to carry large, heavy bulky items or get a cart.
- Don't carry items in your hands while ascending or descending a ladder/stairs. Have someone hand the items to you or use a lift system or rope to bring them up. Always maintain 3 points of contact when climbing a ladder and use the handrail on stairs.

Identify, rectify and report hazards. By taking care of the little things, mishaps will happen less frequently.

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