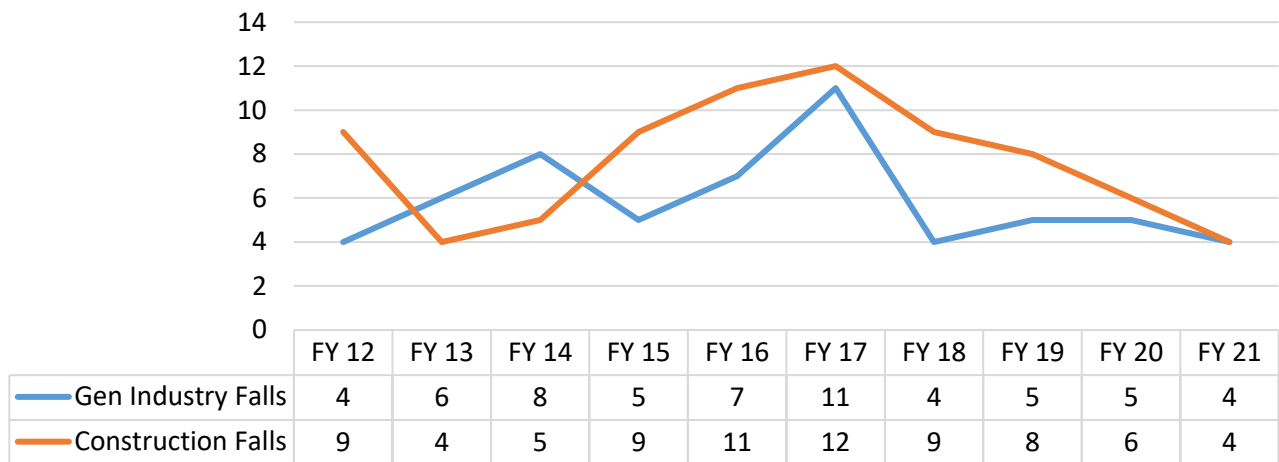


FY 21 SE TX General Industry Falls*

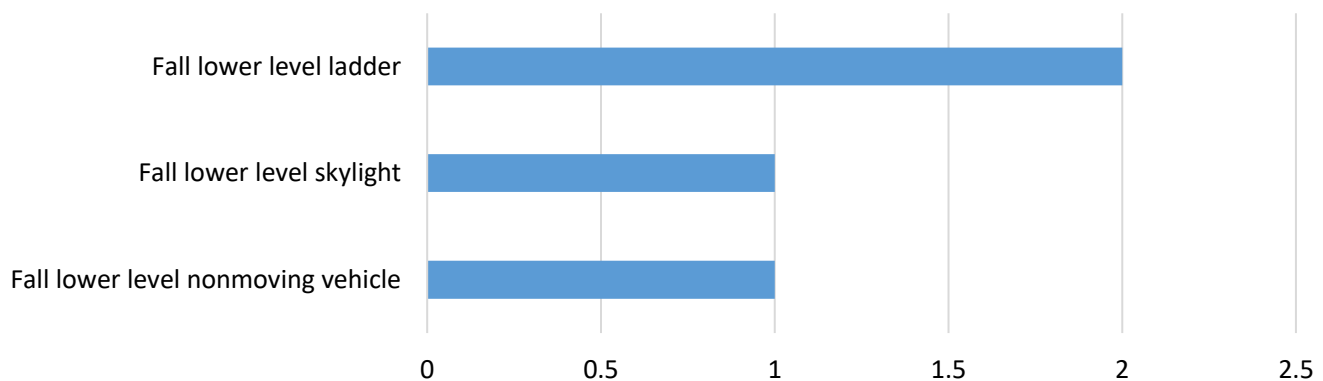
In Fiscal Year (FY 21) there were 8 fatalities and 101 serious injuries reported to the Houston OSHA offices related to falls in the workplace in all industries. This is compared to a total of 11 fatalities and 100 fall related serious injuries reported in FY 20. This flyer discusses FY 21 falls that occurred in general industry.



SE TX Fatal Fall Incidents FY 12 - FY 21



FY 21 SE TX General Industry Fall Fatalities by Event



FY 21 SE TX General Industry Fall Fatalities by NAICS

NAICS	Industry	Incidents
339950	Sign Manufacturing	1
488320	Marine Cargo Handling	1
488999	All Other Support Activities for Transportation	1
611310	Colleges, Universities, and Professional Schools	1

FY 21 SE TX General Industry Fall Fatality Narratives

Fall lower level ladder

- Employee and his crew were going to install a vinyl advertisement sign on an existing billboard structure. While climbing the access ladder, he fell to the ground and died.
- Employee was working as a cargo hold cleaning technician and was carrying a broom in one hand while descending a fixed ladder from the standoff landing platform. He fell approximately 30' to the bottom of the hold.

Fall lower level nonmoving vehicle

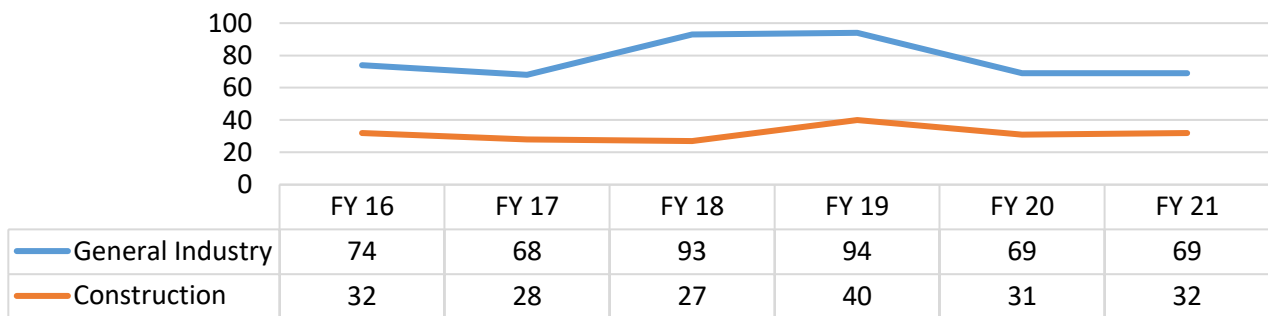
- Truck driver was unloading materials and climbed on top of the load to manually uncover the tarp and fell 11' to the concrete ground.

Fall lower level skylight

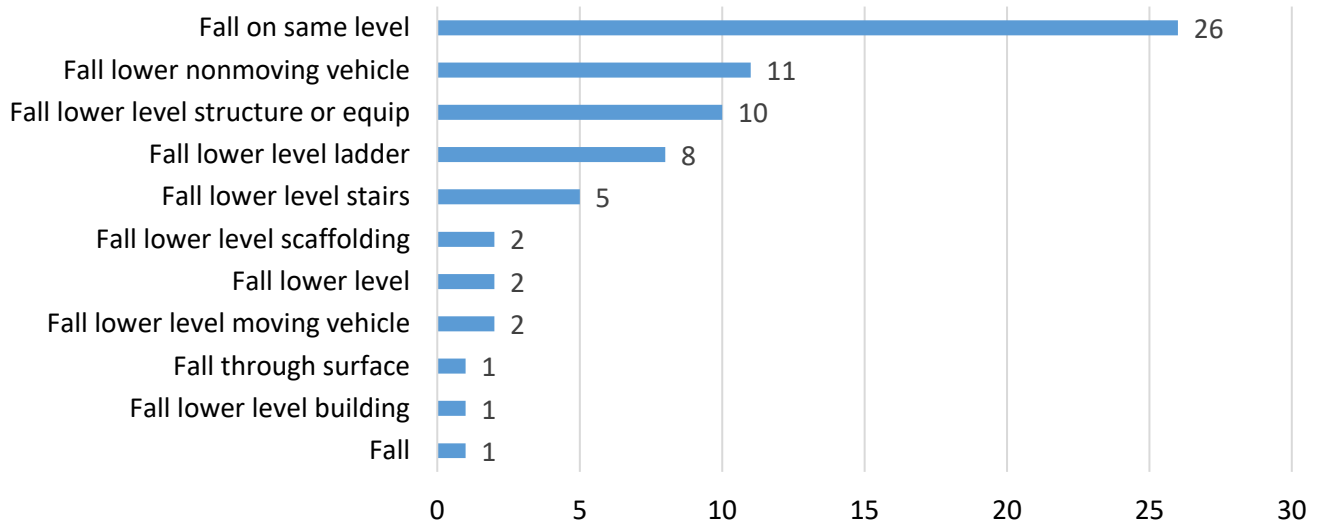
- Employee was completing HVAC work when he fell through the skylight located on the roof.

Serious Incident Reports (SIRs)

SE TX SIR Fall Incidents FY 16 - FY 21



FY 21 SE TX General Industry Fall SIRs by Event



FY 21 SE TX Area Fall SIRs by Major NAICS Subsector**

NAICS	Industry	Incidents
484	Truck Transportation	5
488	Support Activities for Transportation	5
332	Fabricated Metal Product Manufacturing	4
445	Food and Beverage Stores	4
561	Administrative and Support Services	4
325	Chemical Manufacturing	3
562	Waste Management and Remediation Services	3
221	Utilities	2
324	Petroleum and Coal Products Manufacturing	2
327	Nonmetallic Mineral Product Manufacturing	2
336	Transportation Equipment Manufacturing	2
423	Merchant Wholesalers, Durable Goods	2
424	Merchant Wholesalers, Nondurable Goods	2
441	Motor Vehicle and Parts Dealers	2
451	Sporting Goods, Hobby, Musical Instrument, and Book Stores	2
452	General Merchandise Stores	2
481	Air Transportation	2
493	Warehousing and Storage	2
541	Professional, Scientific, and Technical Services	2
622	Hospitals	2
813	Religious, Grantmaking, Civic, Professional, and Similar Organizations	2
326	Plastics and Rubber Products Manufacturing	1
333	Machinery Manufacturing	1
339	Miscellaneous Manufacturing	1
443	Electronics and Appliance Stores	1
453	Miscellaneous Store Retailers	1
454	Nonstore Retailers	1
491	Postal Service	1
517	Telecommunications	1
531	Real Estate	1
532	Rental and Leasing Services	1
621	Ambulatory Health Care Services	1
722	Food Services and Drinking Places	1
922	Justice, Public Order, and Safety Activities	1

FY 21 SE TX Area General Industry Fall SIR Narratives

Fall

- Employee was injured when he fell while changing a compressor air filter.

Fall lower level

- A nurse trainee was sitting on couch and was inadvertently pushed off by a child that was playing on the furniture breaking her hip.

- Employee was out for a smoke break when he realized he had locked himself out of the office. The office has restricted entry and he had left his badge at his desk. He climbed an 8' fence that had barbed wire on the top and jumped onto the ground fracturing his right tibia and fibula and left ankle.

Fall lower level building

- An employee was working on the second floor of a new home under construction installing low voltage cable and fell from the second floor to the concrete on the first floor breaking both heels.

Fall lower level ladder

- Employee was climbing down a fixed ladder of an asphalt shuttle buggy when he slipped from the top step and fell approximately 10' to the ground below breaking his right hand and shattering the right pelvis on the concrete.
- Employee was on a float sandblasting the side of barge. He was using a 12' portable ladder and standing on the 6th rung when he lost his balance and fell 6'-7' onto the top of the float fracturing the left femur.
- Employee was welding inside a barge and while trying to move scaffold a scaffold board fell and his right thumb got pinned between the board and an angle bar. He received a fingernail avulsion and the tip was amputation.
- Employee was adjusting a vacuum hose in a resin super sac while on a 3'-4' platform ladder. Him and the unsecured platform ladder fell over and he injured his back and leg.
- Employee jumped 2'-3' off an 18-wheeler truck ladder after filling his water tanks. As he landed on the ground, his right ankle twisted and he fell, resulting in a compound fracture of his right ankle.
- Employee fell from a ladder going up to a K-loader sustaining a broken ankle and fractured heel.
- Employee was pulling ropes to prepare a "rope access drop" on the building. He set up a ladder on a roof against a 12' parapet wall to pull up the ropes. The ladder was not tied off or stabilized and it slipped on the wet roofing surface and he fell suffering six fractured ribs and a punctured right lung.
- Employee was using the ship's ladder to go down to the lower level. He slipped and fell 15' to the lower level fracturing both legs.

Fall lower level moving vehicle

- An employee was riding on a forklift and fell off. Both his legs were run over.
- Employee was operating forklift and entered a trailer that was being pulled away from the dock. He attempted to back out of the trailer and the forklift fell to the ground below injuring his left foot.

Fall lower level nonmoving vehicle

- Employee loaded a track crane onto a low boy trailer and as he was climbing down, he lost his footing and fell 4' and suffered a spiral fracture in his lower right leg.
- Employee was cleaning a cement mixer, washing off any excess cement with a power washer. He fell and hit his head on the way down and injuring other areas of his body upon hitting the ground. He suffered a laceration to the head on the right side and a concussion.
- Employee was attempting to tie a handrail down on a skid that was being transported so the handrails wouldn't hit traffic lights. While doing so, the rope broke and he fell backwards approximately 6' breaking his ribs.
- Employee was attempting to access the front of a trailer in preparation to land a motor. He stepped onto the raised passenger-side drop axle which wasn't locked with his left foot causing it to roll. He lost his footing and fell 46" to the ground fracturing his left ankle.

- Driver helper was in the back of the truck looking for cases for the next stop. When the driver returned to the truck, the helper started to get out the back of the truck to go to the truck cab. As he was getting out, his foot slipped off the truck steps before he could grab the 3-point touch point handle. As he fell, he grabbed the handle and the hanging strap on the rear door he hit his left elbow fracturing it.
- Employee was dumping trash from a platform on the front of a truck by the cab. Dumpster called tippers are used. He would need to go in the cab, raise the cab to dump trash, and then lower the cab. He fell from the cab, not the platform since a safety mechanism would prevent him from getting on the platform while the cab was raised. He suffered fracture/broken ribs, collapse lungs, and spinal fractures.
- Employee was installing a placard on a box truck and mis stepped. He fell backwards on his head resulting in possible bleeding on the brain.
- Employee was exiting a company van and slipped on the ground and fractured his right ankle.
- Employee was attempting to clear out a roll off container while at waste station and was experiencing problems with the operation of door. He attempted to use a secondary chain but it broke. He attempted to prevent himself from falling but lost his footing and fell to the ground below breaking his leg.
- Employee misjudged his step and fell off the edge of the vehicle lift gate while unloading trash containers fracturing his hip.
- Employee was unloading a truck by unhooking the tailgate his leg was caught in between the wall and tailgate and fell to the floor lacerating the leg and breaking the tibia.

Fall lower level scaffolding

- Employee was leaving a scaffold to get onto the ladder. The tank sheet buckled causing the ladder to slide off the tank and the anchor of the lanyard did as well. He fell approximately 16' and fractured his pelvis.
- Two employees were using a scaffold onsite to inspect exterior siding on a house. A scaffold board broke causing them to fall about 7' to the ground. One employee suffered a sprained ankle and the other one fractured a right ankle that required surgery and hospitalization.

Fall lower level stairs

- Employee slipped and fell about 4' while descending stairs and suffered a compound fracture of his left arm when he extended his arms in an attempt to catch himself while falling.
- An employee that was walking coming down from a platform and missed a step. He tried to regain his balance resulting in a hard step and a minor fracture of his left foot.
- Employee was walking down the stairs and mis-stepped and fell fracturing his left ankle.
- Employee stepped up on a dock step to plug in a blower when he lost his balance and fell fracturing his right hip.
- Employee was walking down the steps of the living quarter trailer when he slipped and fell down five steps landing on his left elbow resulting in a bursal effusion.

Fall lower level structure or equipment

- Employee was pulling product from shelf and his harness wasn't hooked to the man lift. He fell approximately 9' to the ground fracturing his pelvis and shoulder.
- Employee accessed the top of a fuel tank and slipped and fell to the ground resulting in a broken left arm, scratches, cuts, and abrasion to face and head.
- Employee was operating an overhead crane from a scissor lift. He was holding the object being lifted and the hook caught his glove. The crane moved in the wrong direction and caused him to fall from the scissor lift. The safety chain was not in place on scissor lift.

- Employee was standing on a step stool placing labels on the shelves when she lost her balance and fell. She landed on her side and shattered her hip.
- While outside the warehouse in the trash disposal area, an employee was disposing of trash in an outside receptacle and climbed up on the receptacle and lost grip. He fell 3'-4' to the ground on his shoulder.
- Employee was inspecting a plane to verify what maintenance had repaired and fell from a step stand. He was found unconscious and bleeding from his head.
- Employee was adjusting valves in preparation for cleaning out a Melter. He was turning the designated valves and had trouble closing one of them. He went to the elevated platform to attempt closure from that point when he lost his footing on the elevated platform which was 6'-8' high. He suffered bruised and/or cracked ribs.
- Employee was walking above a hatch and fell 25' into it injuring his back.
- Driver was inspecting an empty container for damage. While he was inside the container, a stacker operator started lifting the container, which was still attached to the chassis with four twist locks. The driver, upon feeling movement, jumped out of the container from approximately 6' and broke his heel bone in two places.
- Employee was cleaning on the 2nd level of a processing unit with a leaf blower and fell off the platform where there was an approximately 4' gap in the railing suffering bruises, lacerations, and a knee injury.

Fall on same level

- Employee was removing a case of bottled water from a pallet to transfer to the refrigerator when he slipped and fell fracturing his right hip.
- An employee tripped over a rug in the break/change room and fell breaking their right hip.
- Employee was attempting to take a level reading from a silo and when he stepped out and he slipped on a condensation/mud mix. He fell to the ground and broke three ankle bones.
- A QC employee was rushing to exit out the door of the warehouse to the decan/fruit room when she lost her footing on the moist floor. She fell, striking the back of her head and back.
- Employee was delivering auto parts at a salvage yard and became startled by a dog located at the yard. He backed up and tripped over his feet causing him to fall breaking his hip.
- Employee was walking by a health screening curtain and tried to step over a portable wall partition. He tripped over the portable wall partition and fell to the ground and hurt his head and broke his arm which required surgery to repair.
- An employee tripped over a trash bag that she had tied to her stocking cart causing her to fall to the ground and fracture her hip. A fan was moving the bag causing it to tangle into her feet.
- Employee was pushing a cart of meat trays and slipped and fell on the floor. He fell on his left hand resulting in a wrist sprain and dislocation of two fingers.
- Employee was sitting at her desk working and when she was getting out of her chair she tripped over the base of her chair and fell to the floor breaking her femur.
- Employee was unloading a truck at the back dock area of the store when his foot was caught under a pallet jack wheel causing him to fall to the ground injuring his left hip.
- Employee was running away from an active shooter situation in the parking lot of the store and fell and fractured their hip.
- Employee was working at in the receiving room unpacking boxes and tripped over a box fracturing their hip.
- Employee had a dolly-cart leaning up against the bumper of the box-truck and got his foot caught in the dolly-cart. While attempting to get his foot unstuck, he lost his balance and fell, striking and breaking three ribs and bruising his spleen on the back opening-lip of the box-truck.

- Employee was changing an airbag on truck when he slipped & fell. He attempted to break his fall but the impact dislocated his elbow and wounded his arm.
- Employee was walking on a barge and he tripped over a pipe and fell fracturing his hip.
- While delivering mail an employee tripped on a crack in the sidewalk and fell suffering multiple fractures to her left ankle.
- Employee was walking and did not see the puddle of hydraulic oil on the floor. He slipped and injured his left knee.
- Employee was walking from the store to the gas filling area and tripped on a curb and fell down. He fractured his skull and had a small brain bleed.
- Employee was placing labels on unfilled jars and fell backwards and became unresponsive.
- Employee was moving a 12 pack of breathing air with forklift. The picked up bottles and forks were too close together. He dismounted the forklift and was walking around to the front of the air bottles and tripped on a curb and pulled the 12 pack onto his foot.
- Employee checking bags at an entry gate fractured his left arm after he tripped over his foot and fell to the ground fracturing his right arm.
- Employee was taking sandbags to the ambulance bay, in anticipation of the incoming storm and slipped on the ice breaking his left arm.
- The employee was walking and his shoe got caught on the carpet and he fell to the floor injuring his head and arm.
- After talking to a customer, employee turned and tripped over her feet causing her to fall and fracture her left hip.
- Employee was in their office and left to go to the restroom. They sat down and missed the toilet and fell on their left side injuring the left hip and knee.
- Worker slipped and fell while carrying pots and pans to a drying rack and broke his leg.

Fall through surface



- Employee went up into a residential attic and fell through the ceiling landing on the ground level fracturing the right leg and heel.


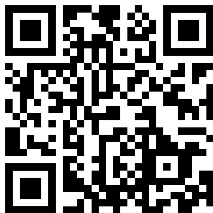

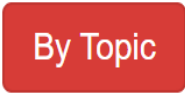



PLAN ahead to get the job done safely

PROVIDE the right equipment

TRAIN everyone to use the equipment safely

Stand Down Resources

	<p>OSHA Fall Stand Down Webpage https://www.osha.gov/stop-falls</p> <p>Resources, and tools to help have a successful fall stand down</p>	
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	<p>CPWR Stop Construction Falls</p> <p>http://stopconstructionfalls.com/</p> <p>LOTS of resources and graphics useful for a fall stand down.</p> <p>Order free 2022 hard hat stickers for your workers too (Order by April 22th)</p> <p>https://stopconstructionfalls.com/online-ordering-form/</p>	 
	<p>OSH Harwood Grants</p> <p>https://www.osha.gov/harwoodgrants/grantmaterials/bytopic#f</p> <p>Fall related training presentations developed with OSHA grants</p>	
	<p>NIOSH Preventing Falls in Construction Campaign</p> <p>https://www.cdc.gov/niosh/construction/stopfallscampaign.html</p> <p>Resources and tools related to fall prevention and also some great infographics on different fall hazards that can be downloaded.</p>	

This information has been developed by an OSHA Compliance Assistance Specialist and is intended to assist employers, workers, and others improve workplace health and safety. While we attempt to thoroughly address specific topics [or hazards], it is not possible to include discussion of everything necessary to ensure a healthy and safe working environment in this presentation. This information is a tool for addressing workplace hazards, and is not an exhaustive statement of an employer's legal obligations, which are defined by statute, regulations, and standards. This document does not have the force and effect of law and is not meant to bind the public in any way. This document is intended only to provide clarity to the public regarding existing requirements under the law or agency policies. It does not create (or diminish) legal obligations under the Occupational Safety and Health Act. Finally, OSHA may modify rules and related interpretations in light of new technology, information, or circumstances; to keep apprised of such developments, or to review information on a wide range of occupational safety and health topics, you can visit OSHA's website at www.osha.gov

*Fatalities, catastrophes, and SIRs are logged or recorded in various mediums and reports generated using various criteria. Late reporting, natural causes which may have generated an initial report, fatalities transferred to other jurisdictions, and other factors may affect the overall numbers over time. SE TX specific data is edited to determine a count of fatalities/catastrophes under OSHA jurisdiction and may change over time as records are updated. Incidents were edited e.g., cases such as natural causes, epilepsy cases, automobile accidents as best as possible. Narratives are rewritten/edited for brevity and may not reflect the final results of an investigation. **Data, including NAICS, in many cases is used 'as is'.** The information is for accident prevention purposes and trending and is not intended to be a statistical study or evaluation. For questions email Jim Shelton at the HNAO at: shelton.james@dol.gov