

IMPACT AND PREVENTION

Overhead crane incidents

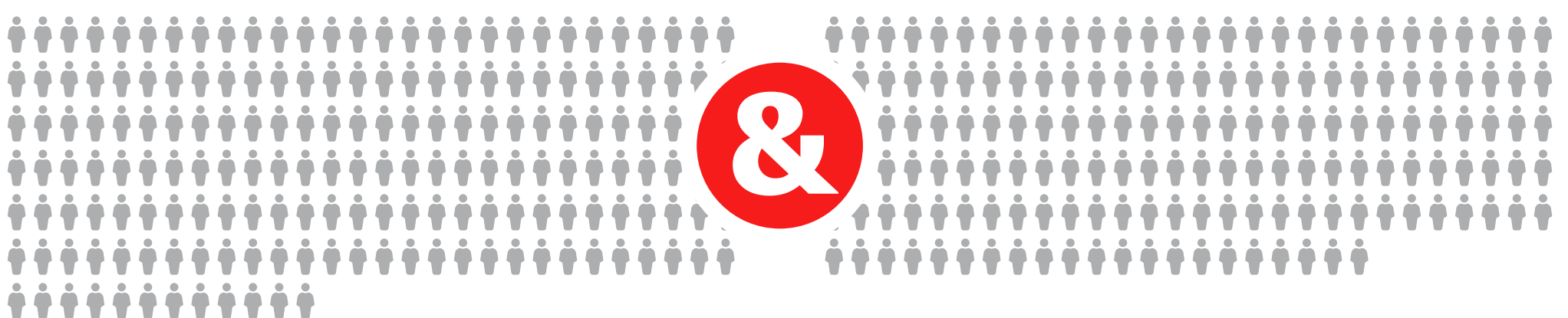
In 2011, experts from the Konecranes Training Institute analyzed 249 OSHA reported crane incidents that occurred over the period of a decade in the U.S.

In 2021 we took a look at the data for the next decade and analyzed the 70 incidents that had occurred. While the number of incidents has gone down, the types of injuries and their causes has remained relatively the same.

The data shown here is for the combined 319 incidents that occurred from 2000-2020.

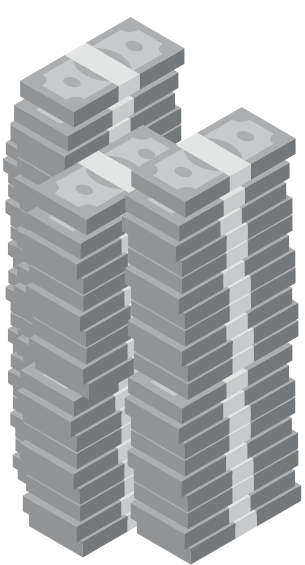
319 incidents involved

1013 OSHA violations

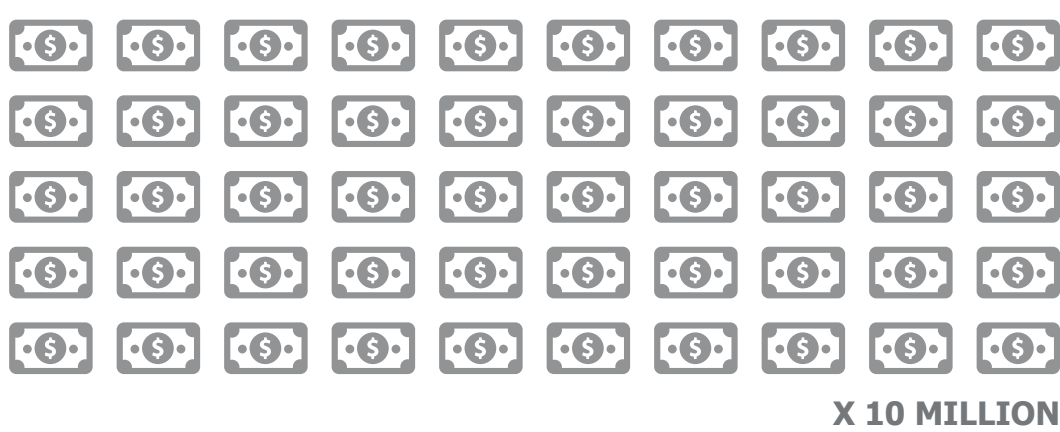


180 injuries

161 fatalities



More than **\$2.9 million** in OSHA fines

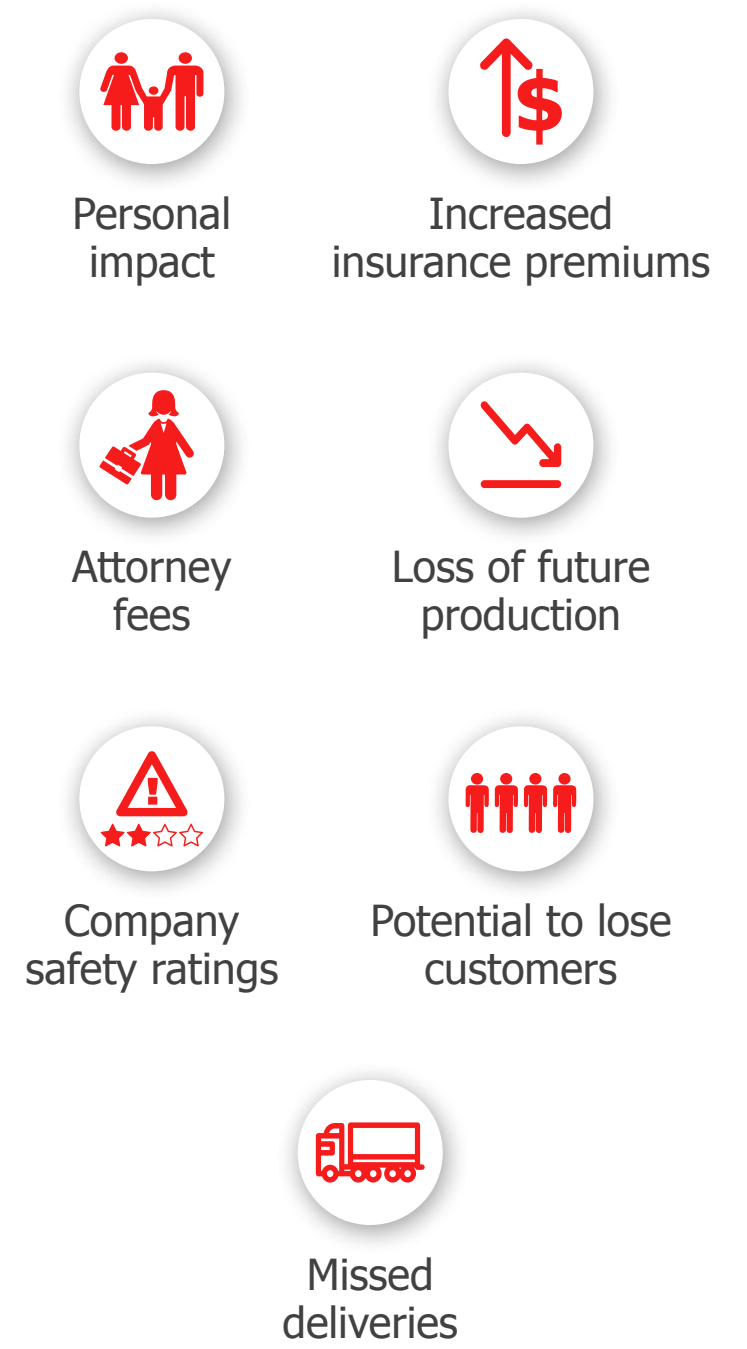


Estimated economic impact of more than **\$500 million**

Direct costs



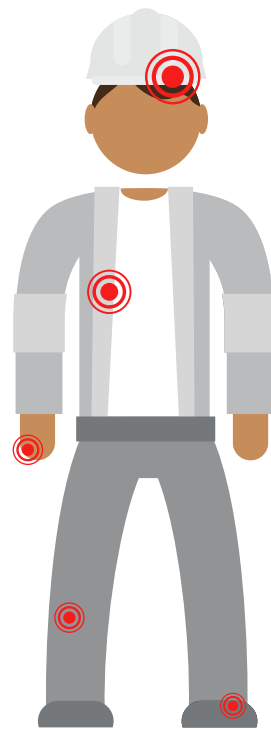
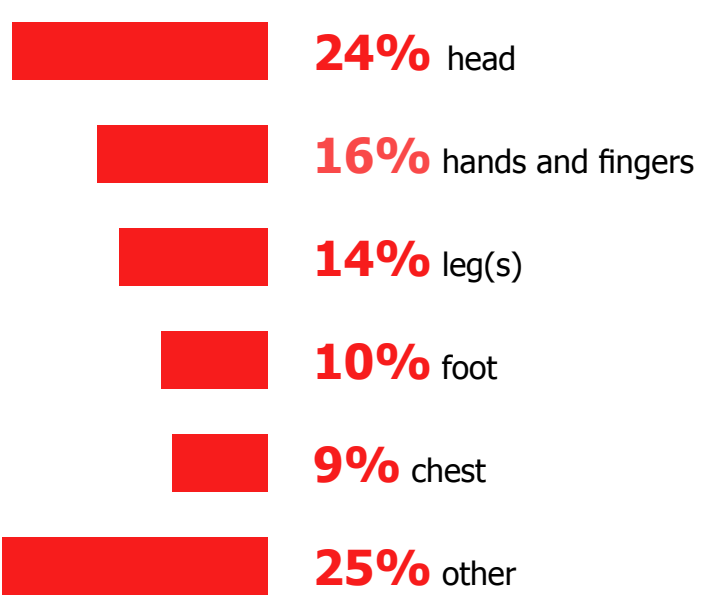
Indirect costs



Average cost of major injury more than **\$200 000**

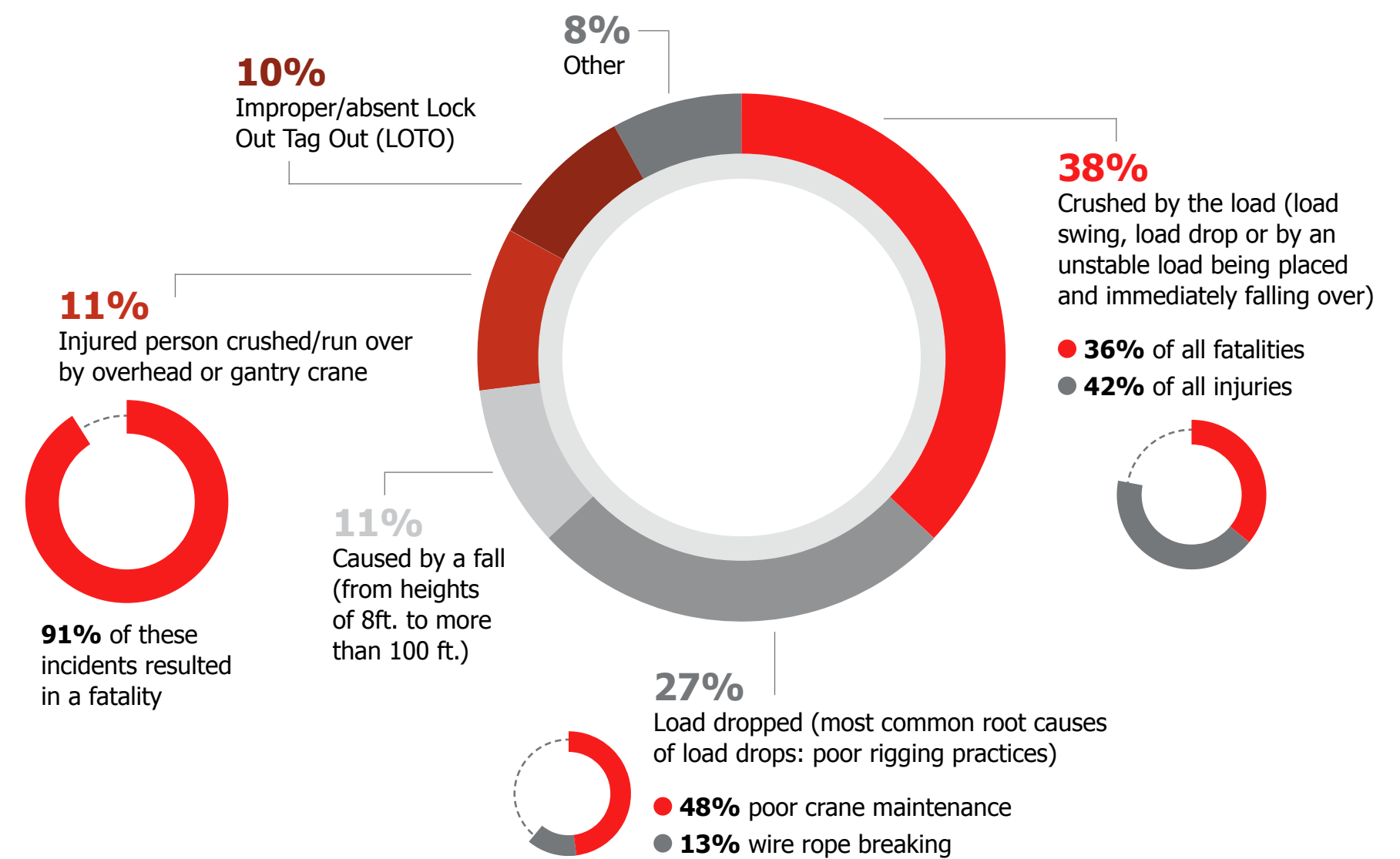
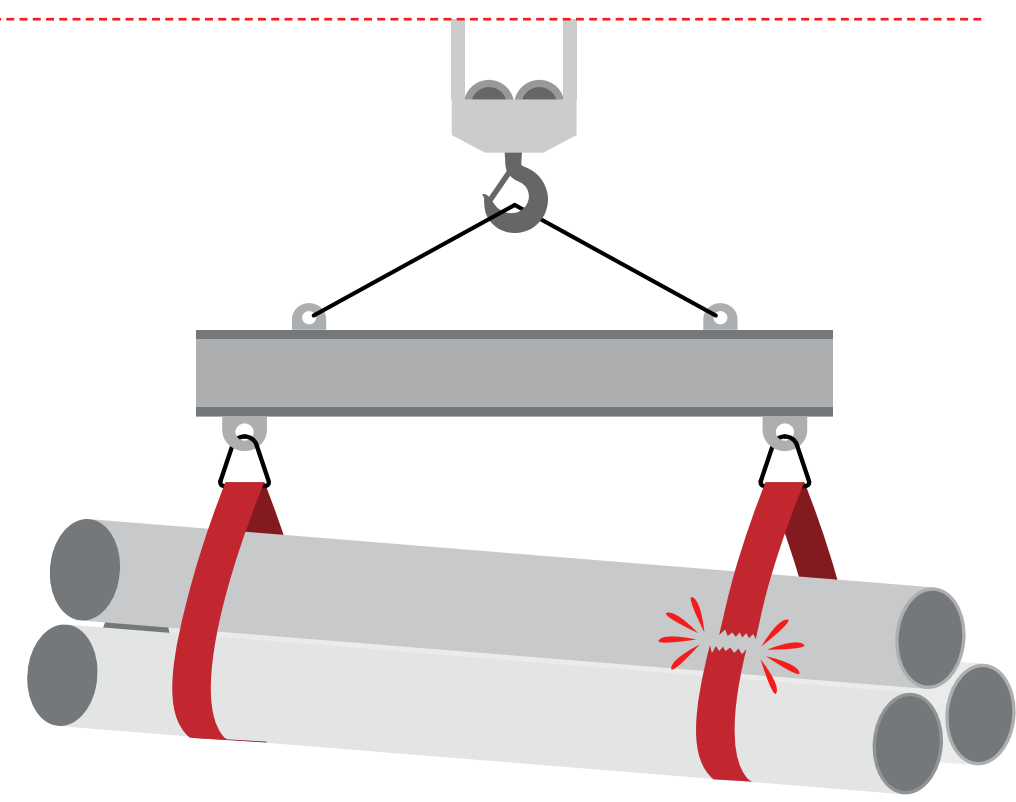
Average cost of fatality more than **\$4 million**

Areas of the body that sustained injuries

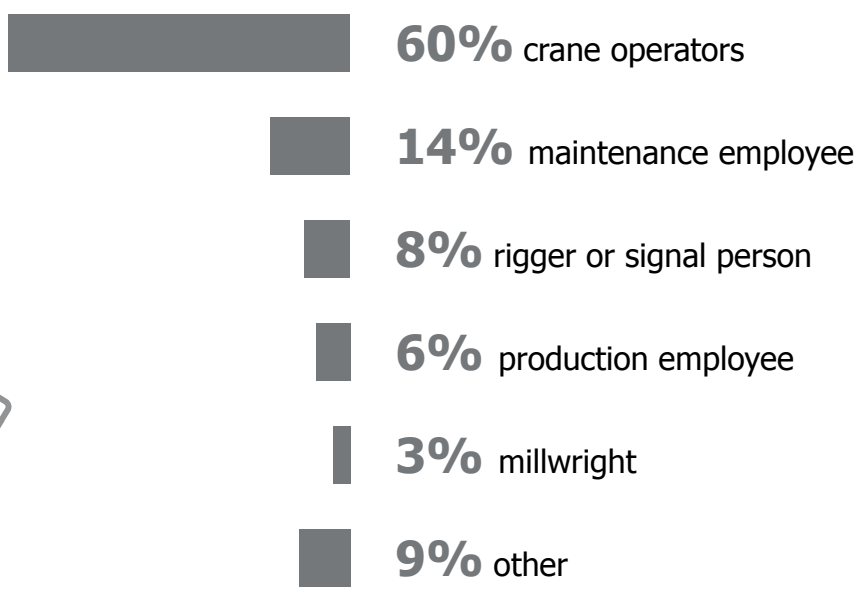
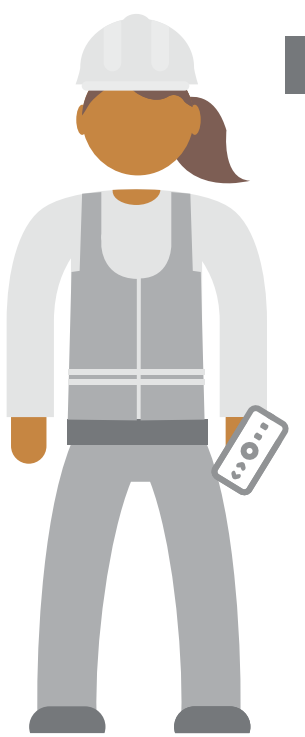


Top causes and results of the incidents

72% of incidents happened during routine job activities



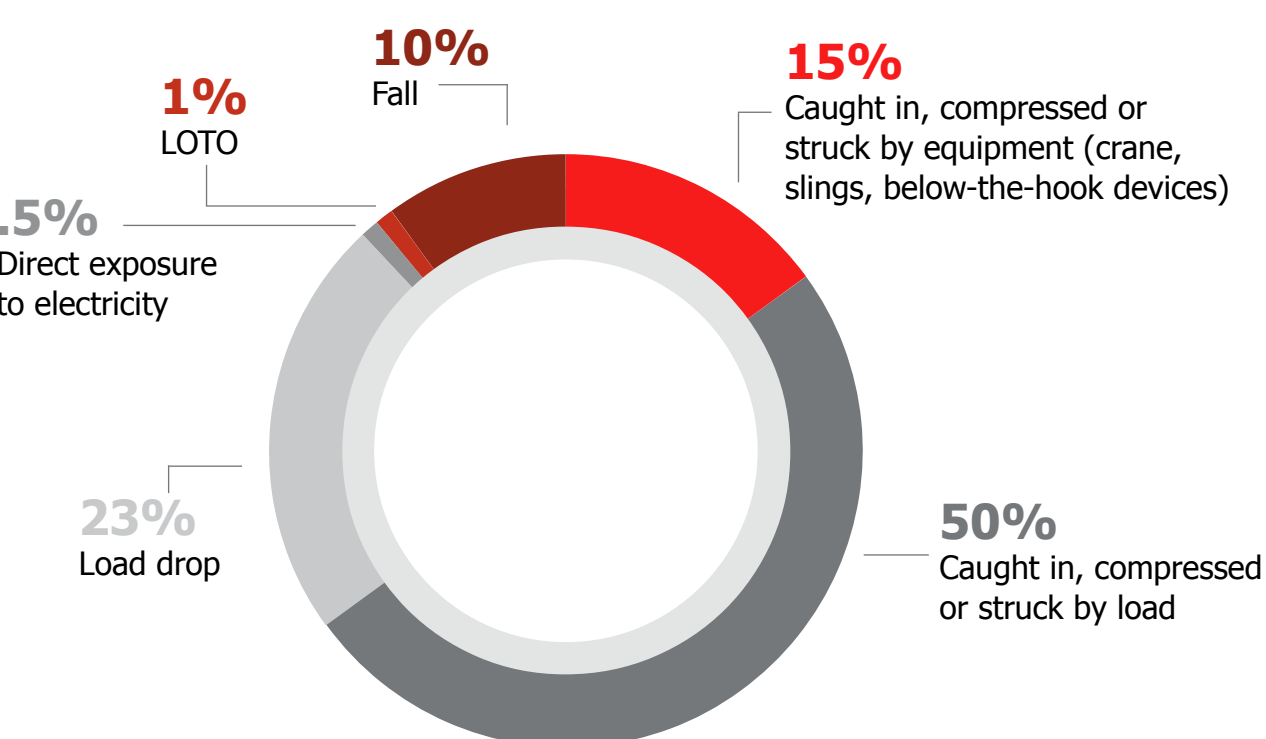
Occupation of those injured or killed



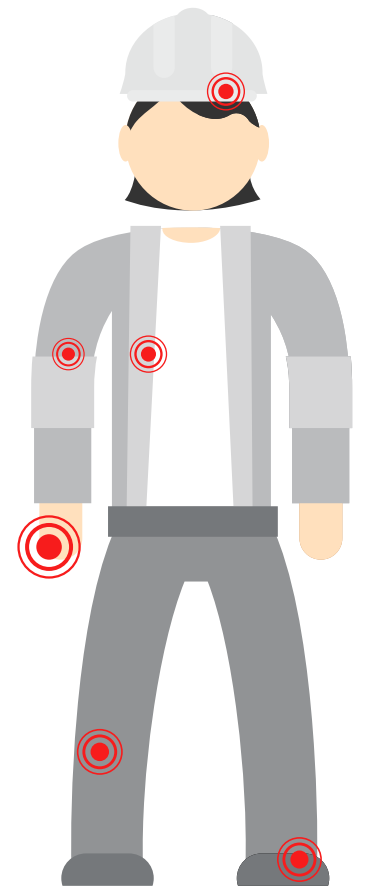
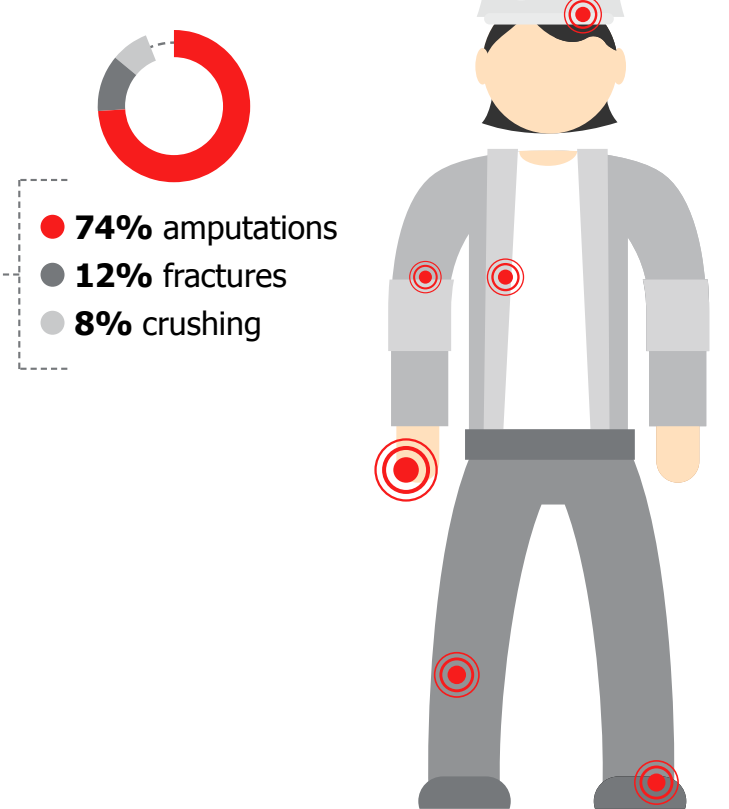
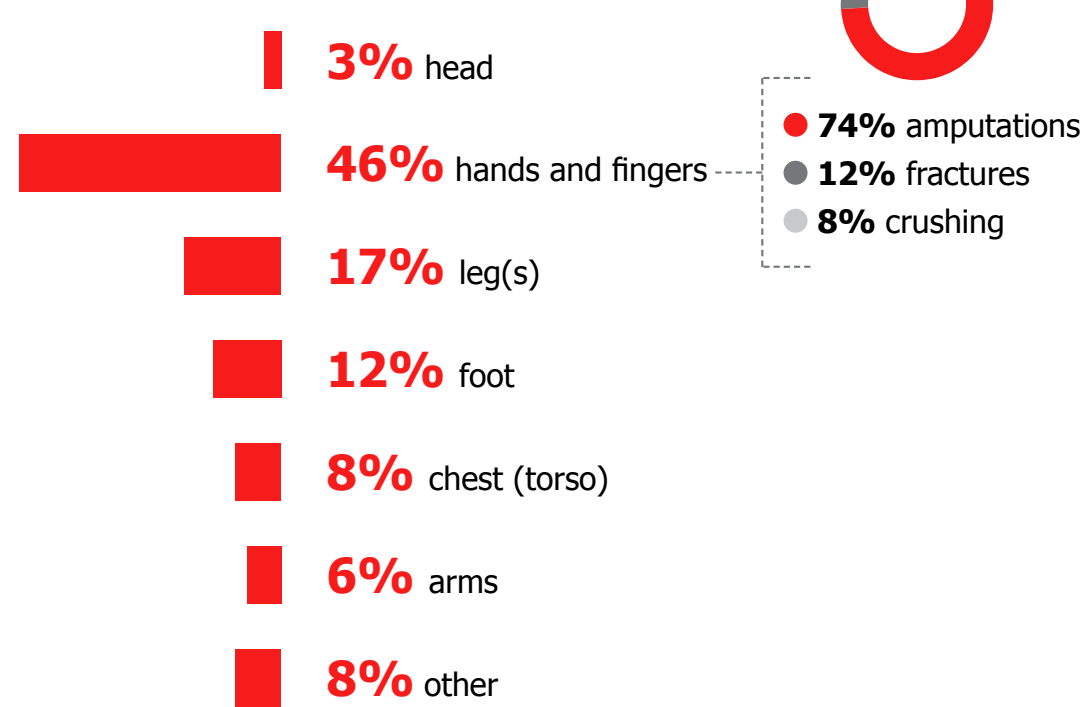
Severe injuries involving overhead cranes

In 2015, OSHA began requiring employers to report all severe work-related injuries defined as an amputation, in-patient hospitalization or loss of an eye. From Jan. 1, 2015 – Sept. 30, 2020 there were 411 incidents reported involving industrial overhead cranes.

Top causes of the incidents



Areas of the body injured

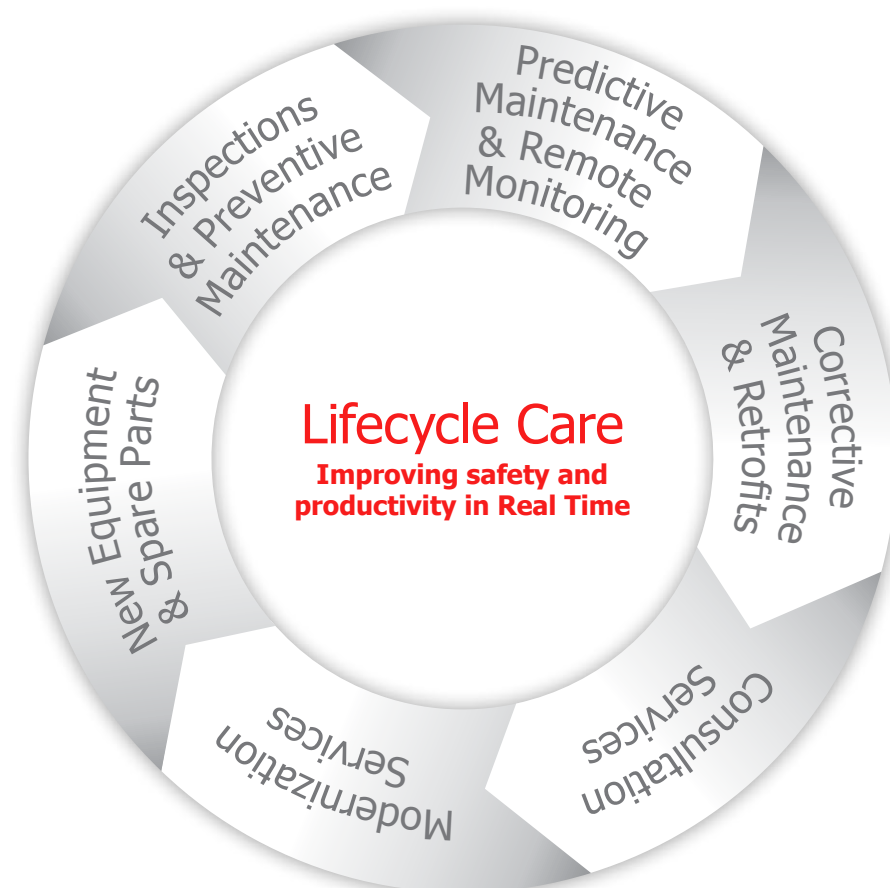


Prevention is key

Workplace incidents can result in devastating injuries and fatalities. The cost of equipment replacement and lost production time can be staggering. A properly maintained crane in the hands of a trained operator helps create a safer and more productive work environment.

At Konecranes our objective is to increase the safety, productivity and sustainability of your operations. From inspections and preventive maintenance, to operator training and remote monitoring we have a wide range of services to address your safety concerns.

When the time comes for new equipment, we also offer cranes designed with the latest technology and features for safe operation.



Of the 319 OSHA-investigated incidents **63%** may have been prevented by proper training

Source: Analysis of Crane Accidents and Fatalities, October 2011 and May 2021. This data is the result of a study completed by the Konecranes Training Institute in New Berlin, Wis. in 2011 and updated in 2021. Data was obtained from the U.S. Department of Labor, Occupational Safety & Health Administration. The study analyzed 249 industrial overhead crane incidents that occurred over a 10-year period from 2000-2010. The update analyzed 70 industrial overhead crane incidents OSHA defines as a fatality or catastrophe that occurred from 2011-2020. The study and the information presented is an analysis and summary of the obtained data and does not take into account the identity of, or attribute liability to, any parties involved in the incidents and in no way states, concludes or infers that Konecranes was involved in any respect in such incidents.