Construction Fatalities Involving Cranes

Presentation for the negotiated rulemaking committee for cranes and derricks

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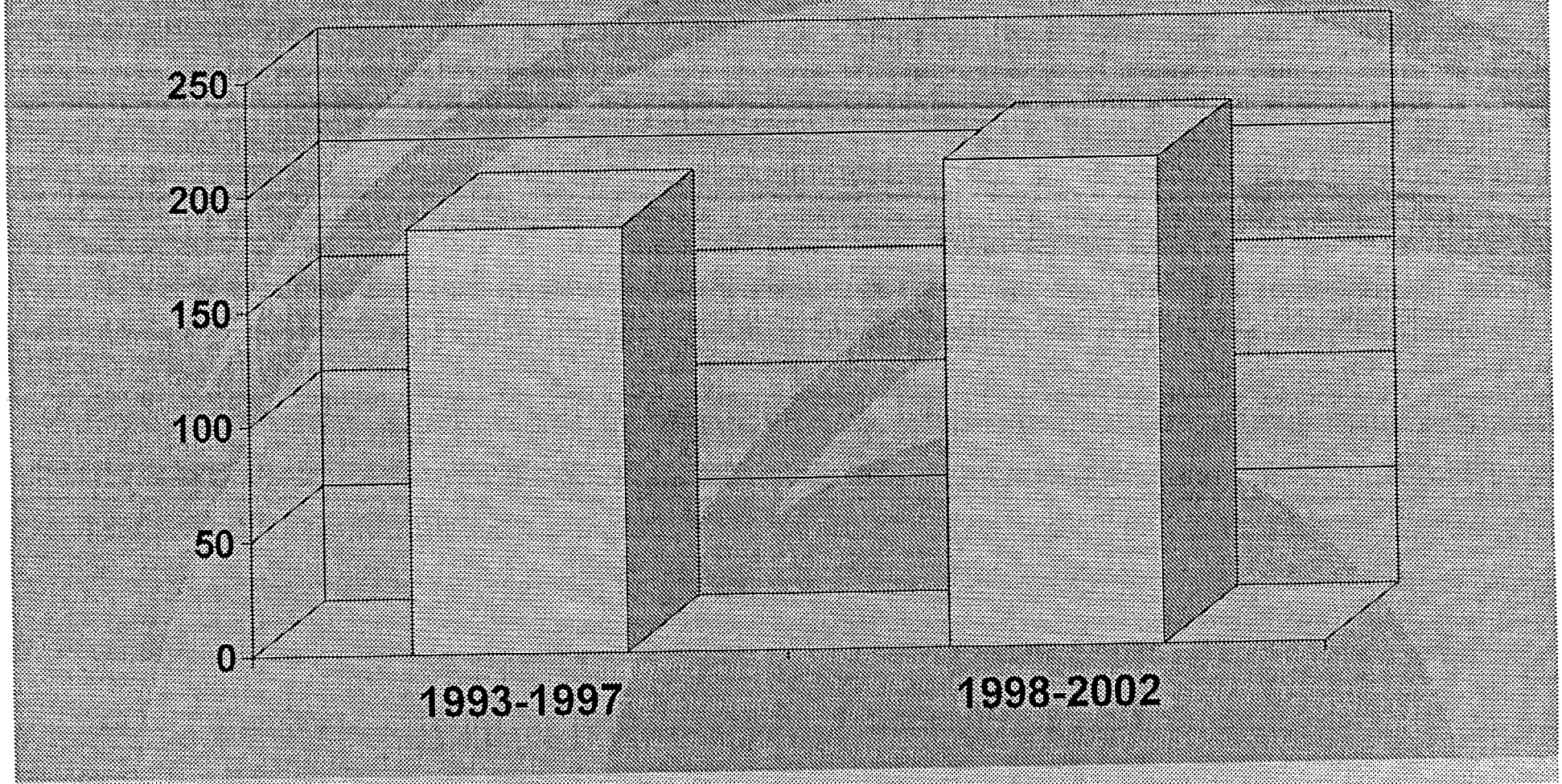
December 4, 2003

OSHA Occupational Safety and Health Administration

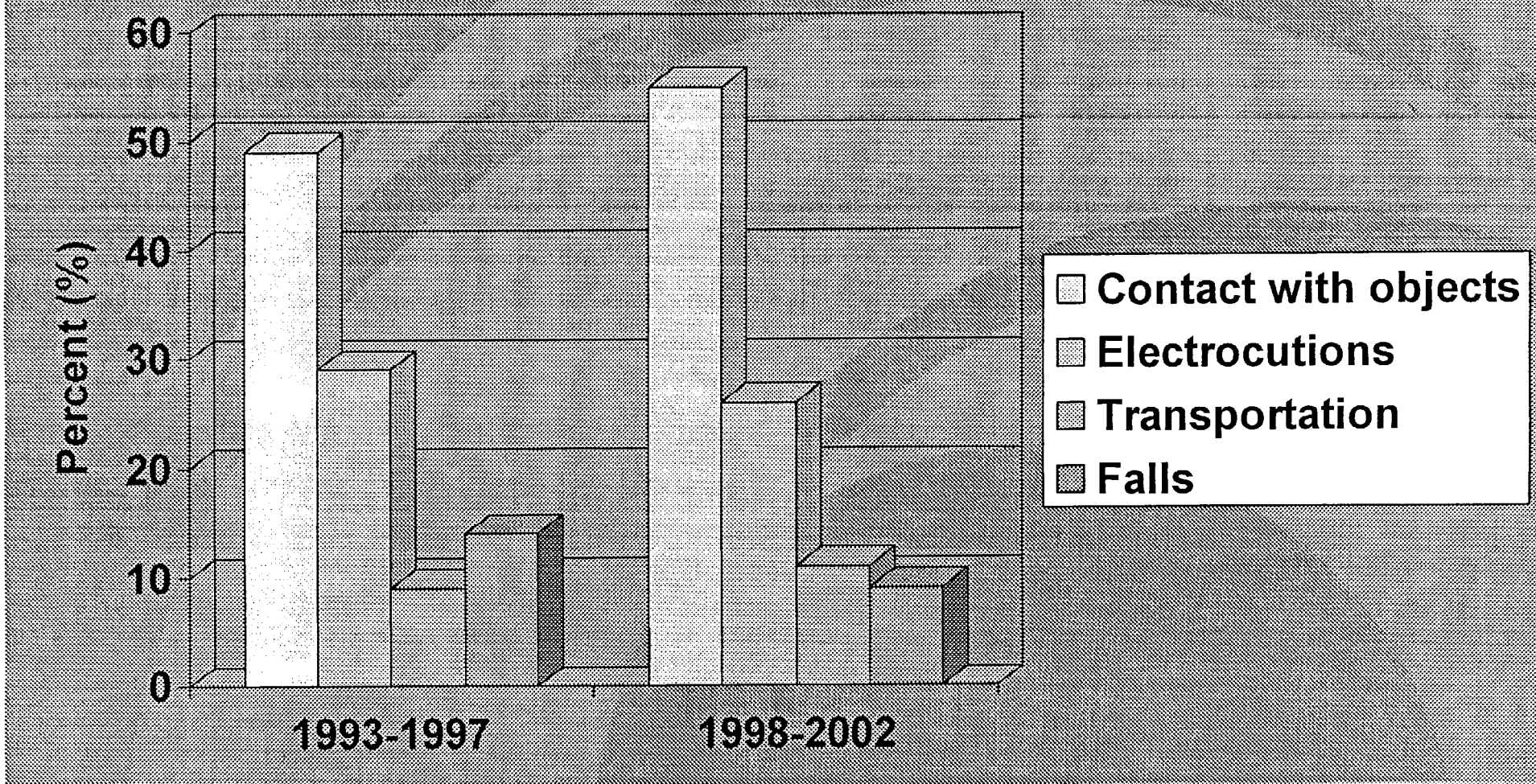
Overview of Presentation

1. BLS
2. OSHA
3. Next steps

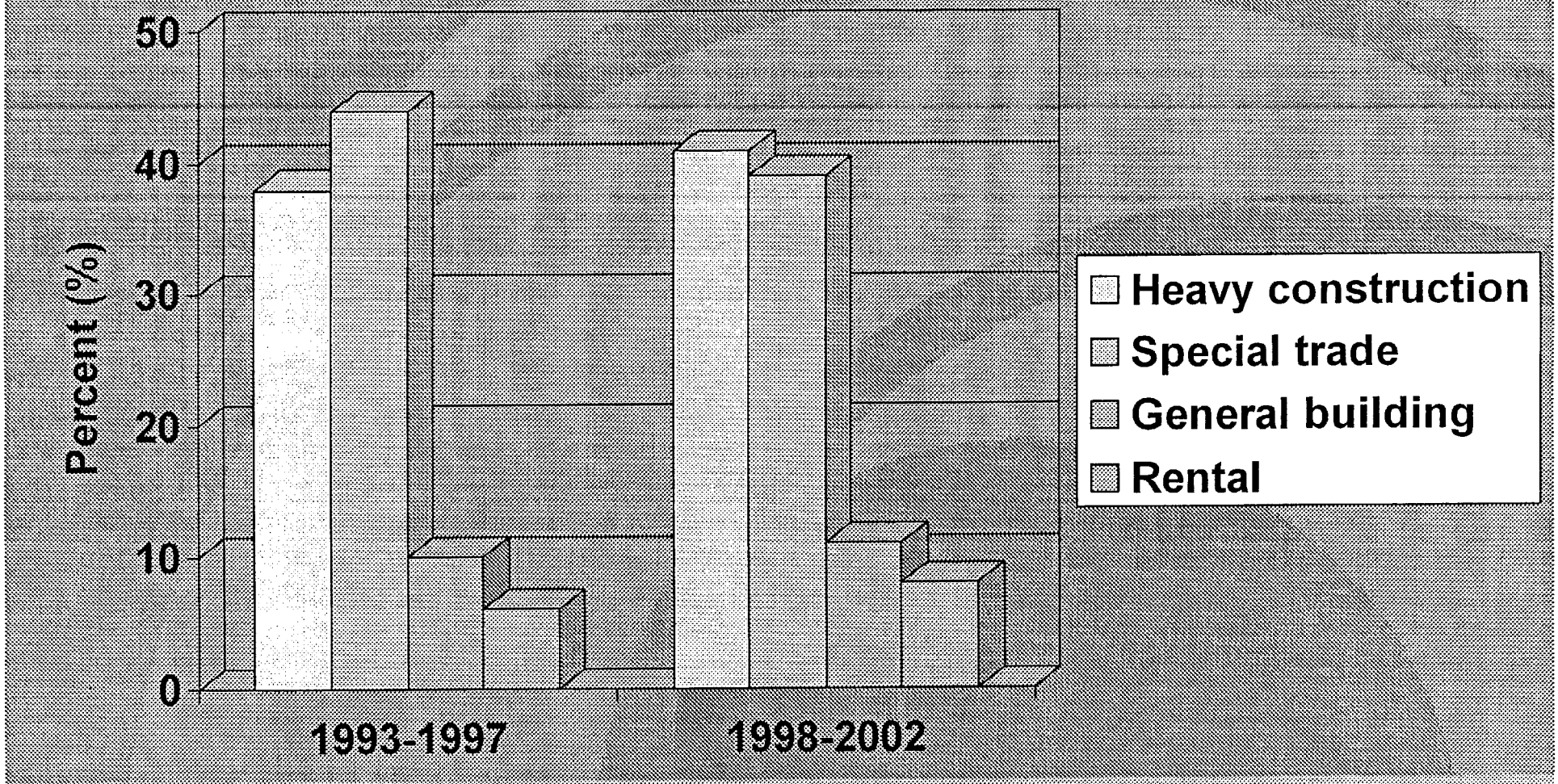
Fatal Occupational Injuries Involving Cranes in Construction (BLS)



Fatal Occupational Injuries Involving Cranes in Construction by Event (BLS)



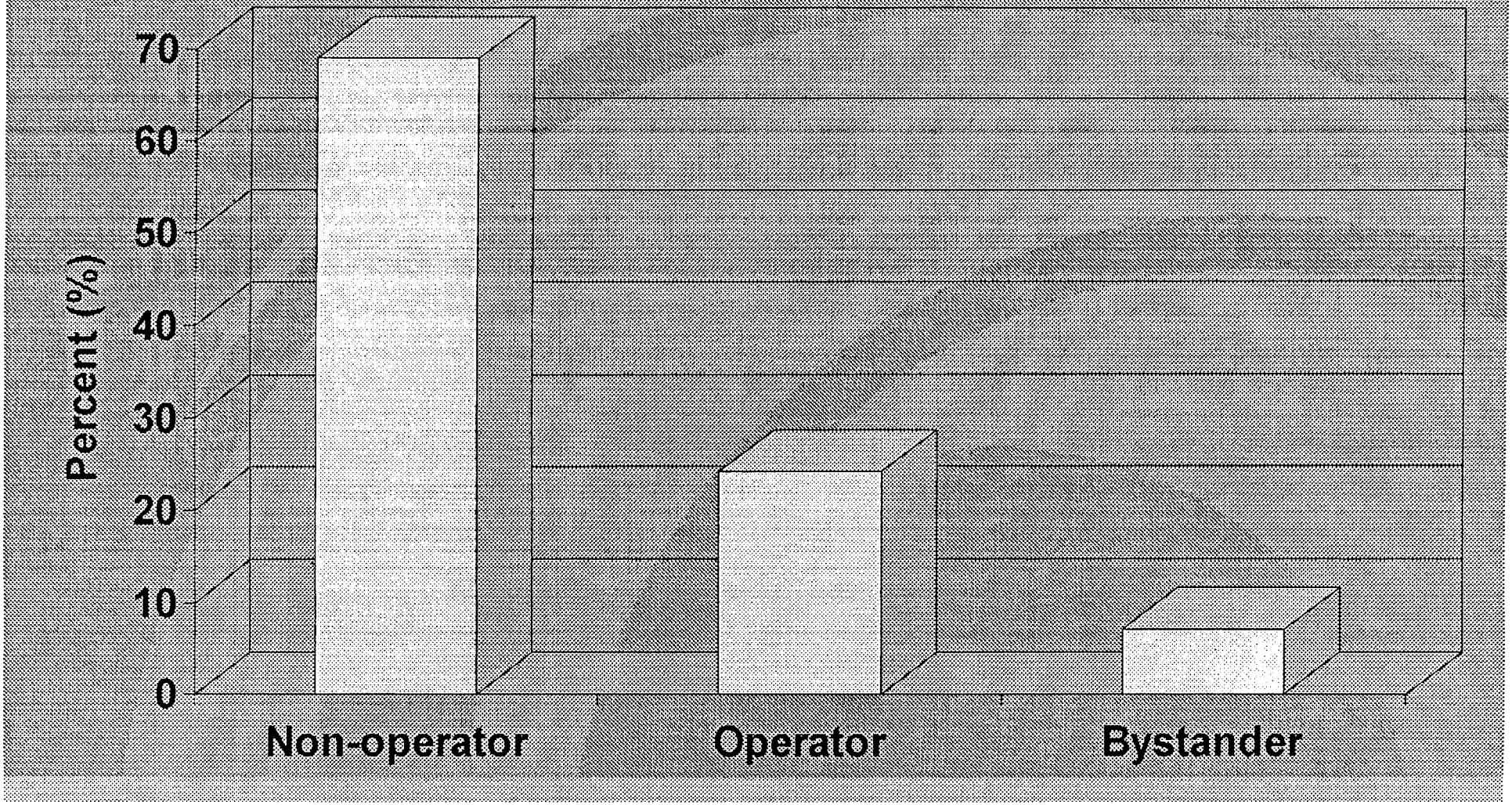
Fatal Occupational Injuries Involving Cranes in Construction by Industry (BLS)



OSHA Data

1. Reviewed CY97-99 Federal OSHA construction fatality case files (1196 files)
2. Identified 91 crane-related fatalities (8%)
3. Created a database

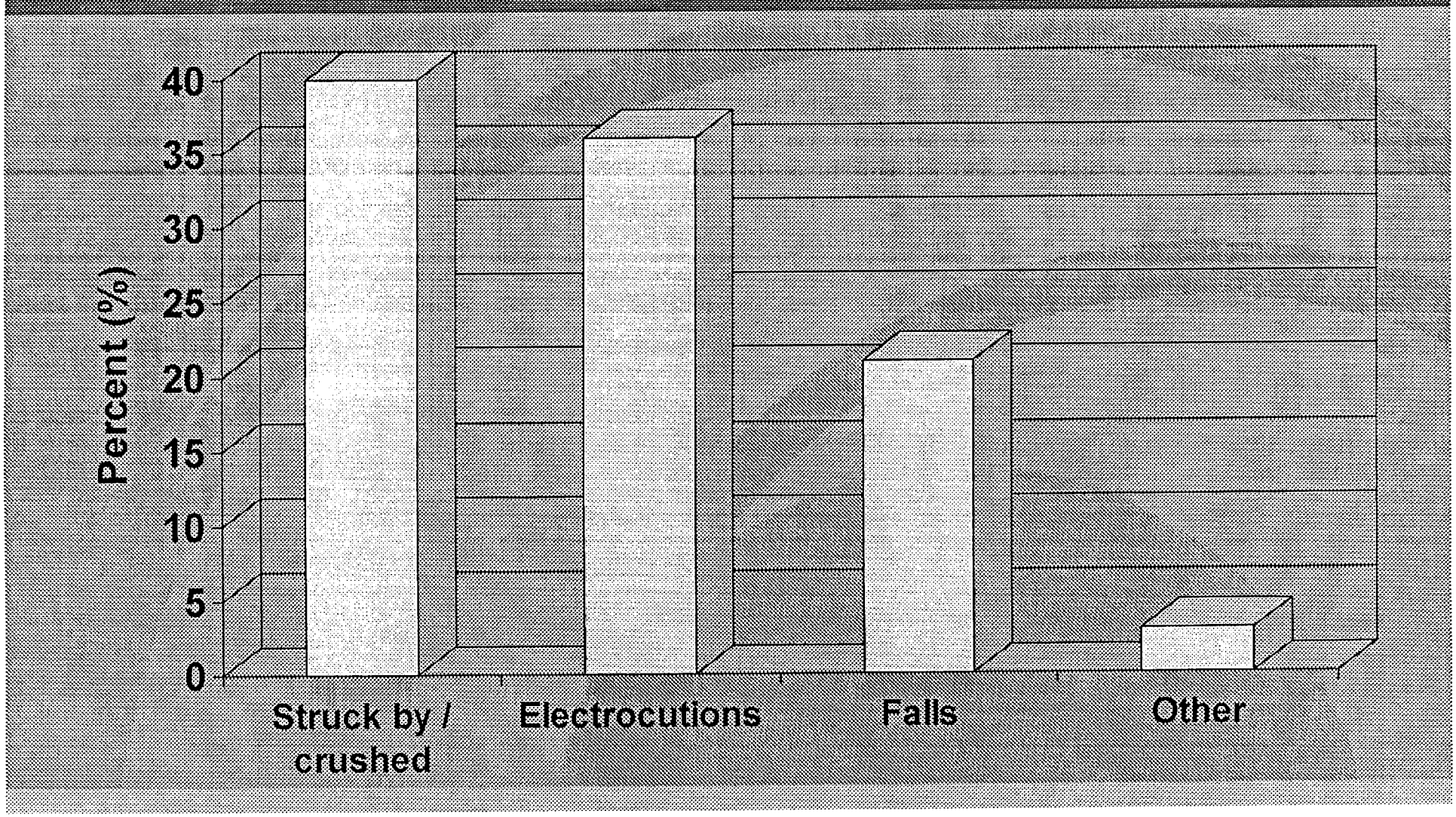
Who died?


Percent (%)
70
60
50
40
30
20
10
0
Non-operator
Operator
Bystander

Crane Fatalities by Occupation

1. Construction laborers experienced the most fatalities
   - BLS 30% (93-02)
   - OSHA 36% (97-99)

What happened to the victim?

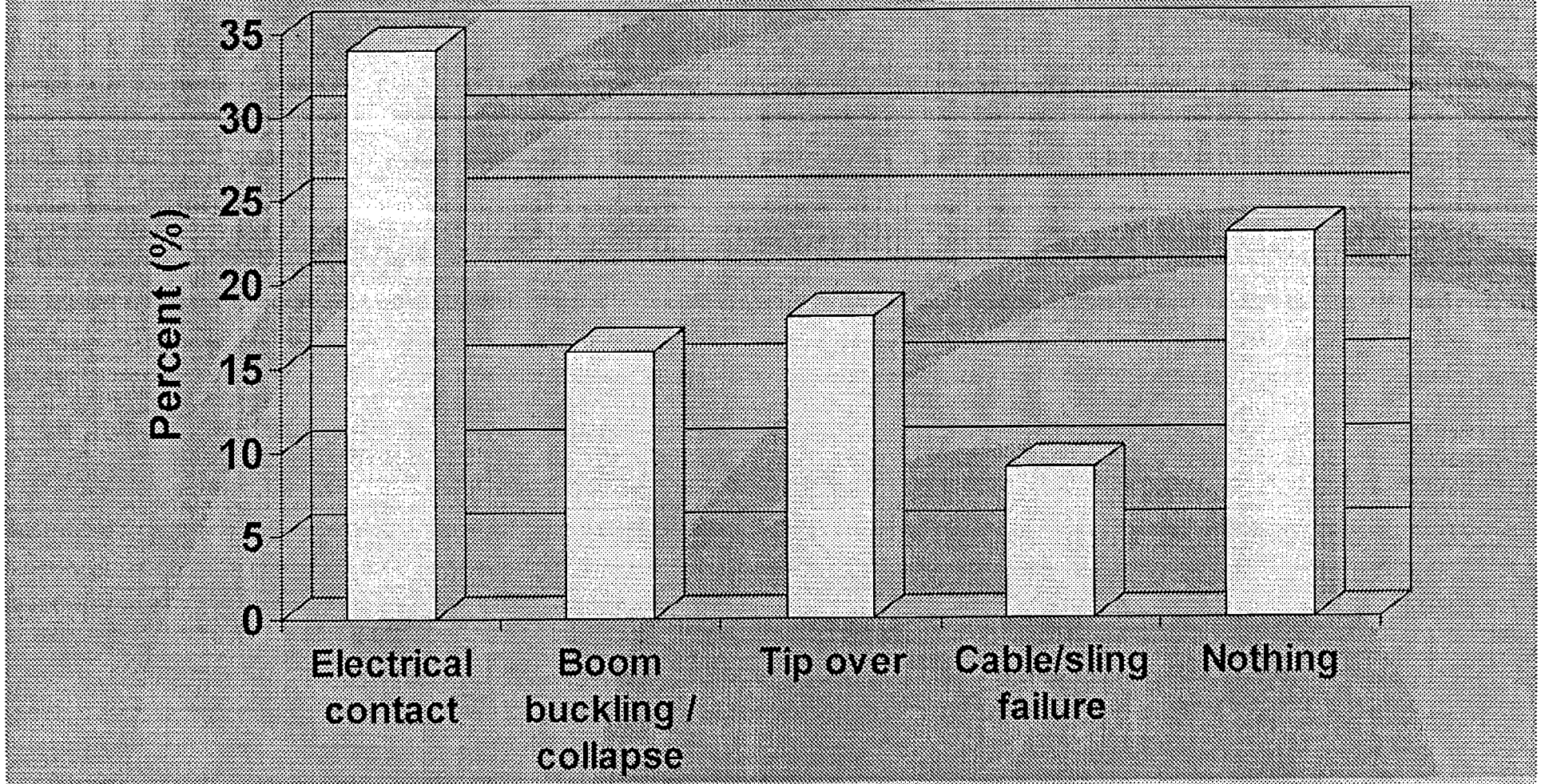


Crane-related fall fatalities

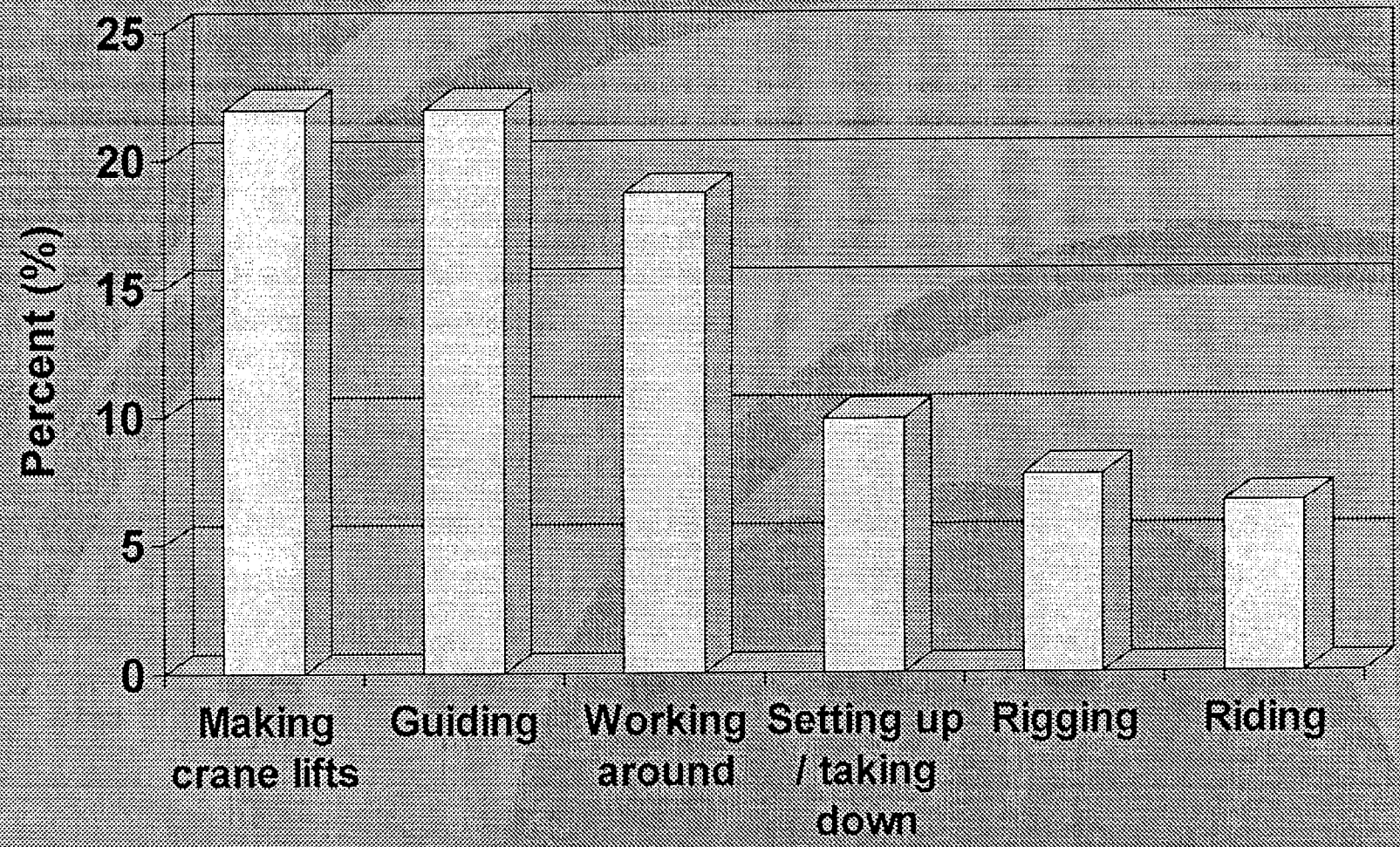
1. 32% were crane operators
2. Examples include:

- Dismantling crane after it was used
- Jumped from crane, caught foot, hit head
- Crane fell off bridge

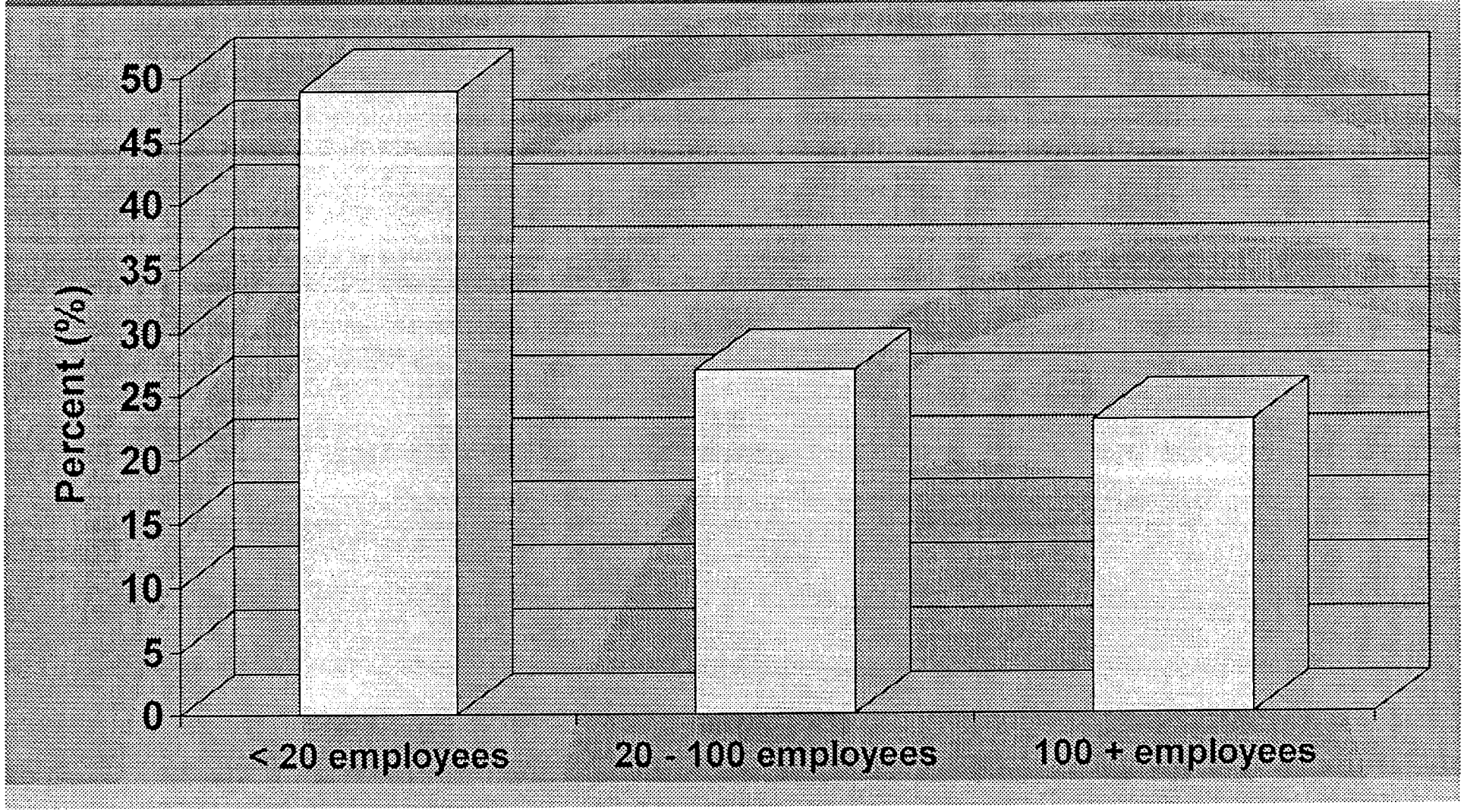
What happened to the crane?



What was the person doing?



What was the size of the employer?



Next Steps

1. Revisit 1997-1999 OSHA construction fatality case files
2. Review 2000-2003 case files

- Focus on worker activity
- Describe circumstances