

# Workplace Safety in the Manufacturing Industry



2023

## Provincial Perspective

*All Rates (2006 to 2022) have been revised due to rebased Employment effective January, 2023, Statistics Canada*

Health | Safety | Compensation

WorkplaceNL

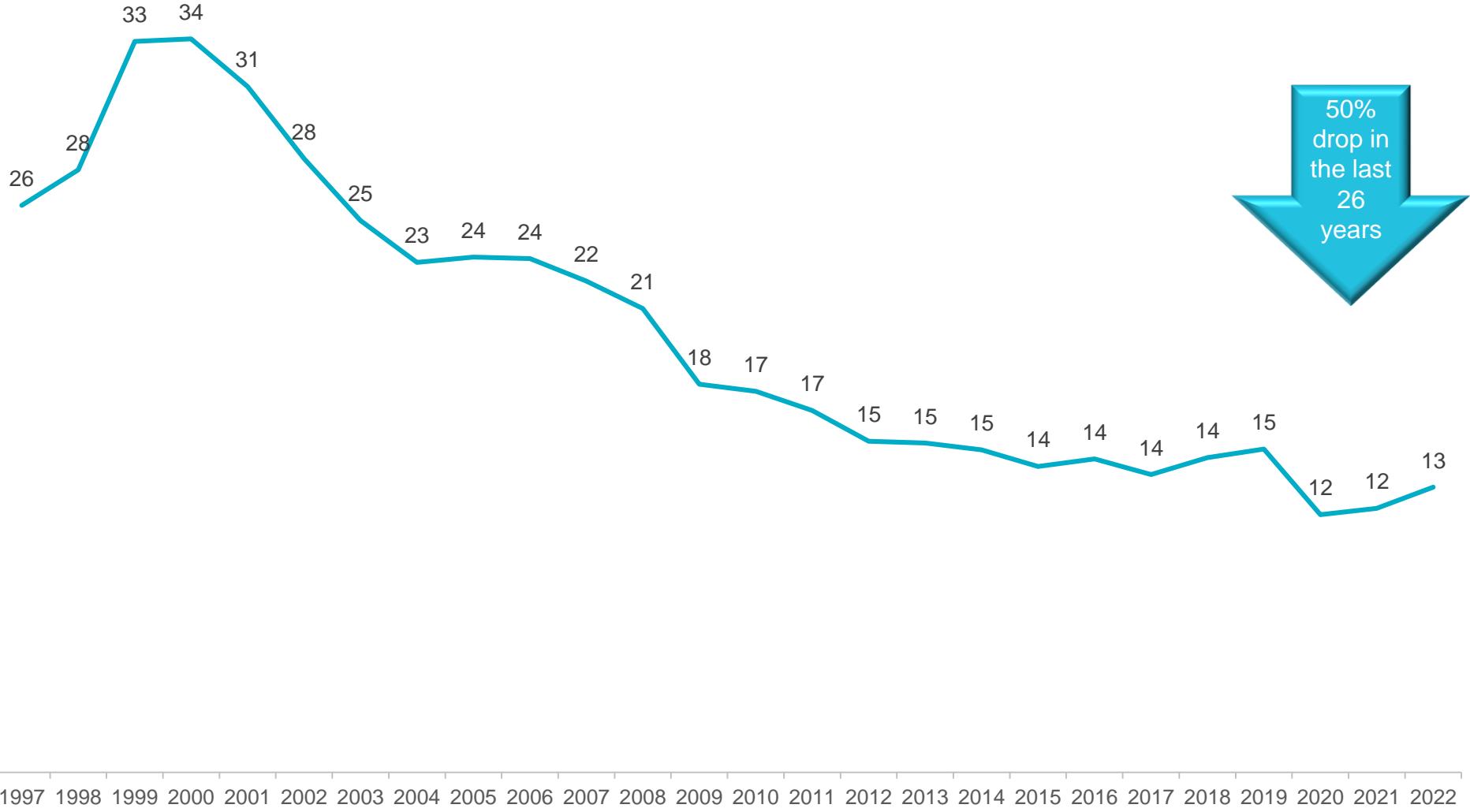
# Definitions

- **Annual Average Employment** levels are used in all WorkplaceNL calculations of its injury rates. The annual average employment is based on Statistics Canada Labour Force Survey (LFS) estimates. *“The Labour Force Survey (LFS) provides estimates of employment and unemployment, which are among the most timely and important measures of the performance of the Canadian economy.” Statistics Canada*
  - Annual average employment captures those aged 15 and older who are employed at the time of the Labour Force Survey.
  - All Injury Rates (2006 to 2022) have been revised due to rebased Annual Average Employment effective January, 2023, Statistics Canada.
- **Injury Rates**
  - All injury rates are presented as per either 100, 1,000, 10,000 or 100,000 employees. These various dimensions are used to make the injury rates more meaningful statistics as a proportion of workers employed. Employment levels used in the calculations are based on Statistics Canada, *Labour Force Survey as supplied by Newfoundland and Labrador Statistics Agency*.
    - Injury rate calculation example:
      - $(\text{Claims} \times 100) / \text{Employment Level}$
- **Claims Costs by Payment Year**
  - Claims costs by payment year are claim costs that are paid out in a given year irrespective of the date of injury.
- **Health and Safety Awareness Index**
  - The Health and Safety Awareness Index is an indicator of the level of awareness of health and safety in the workplace. It is calculated based on responses to select questions from the Health and Safety Awareness Survey for workers conducted by *Newfoundland and Labrador Statistics Agency*. There are a total of 18 questions taken from Knowledge, Awareness and Empowerment categories and scored to produce an index value.



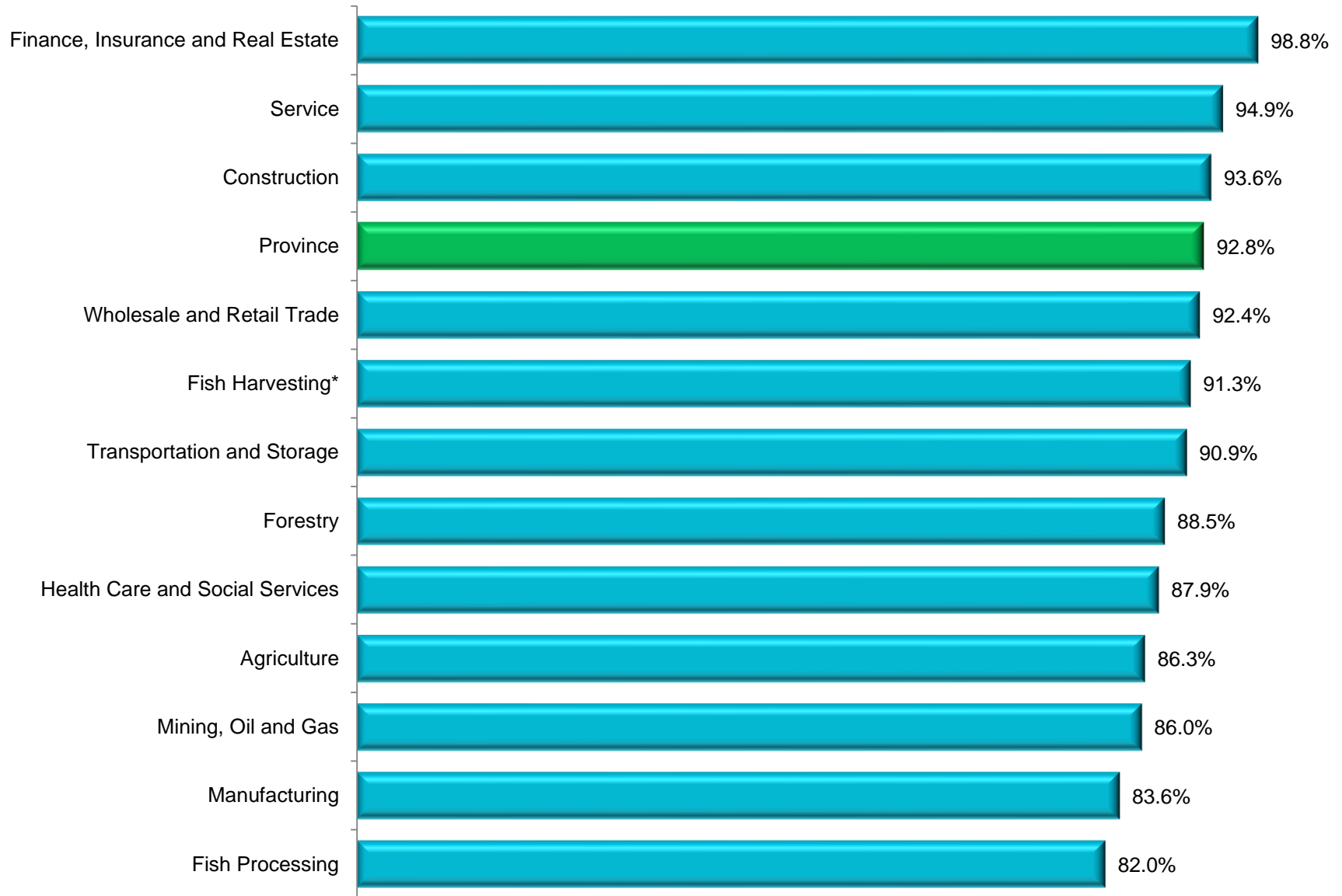
# Manufacturing Industry Selected Indicators

# Number of Workers Injured per Day (on average) Newfoundland and Labrador 1997 - 2022

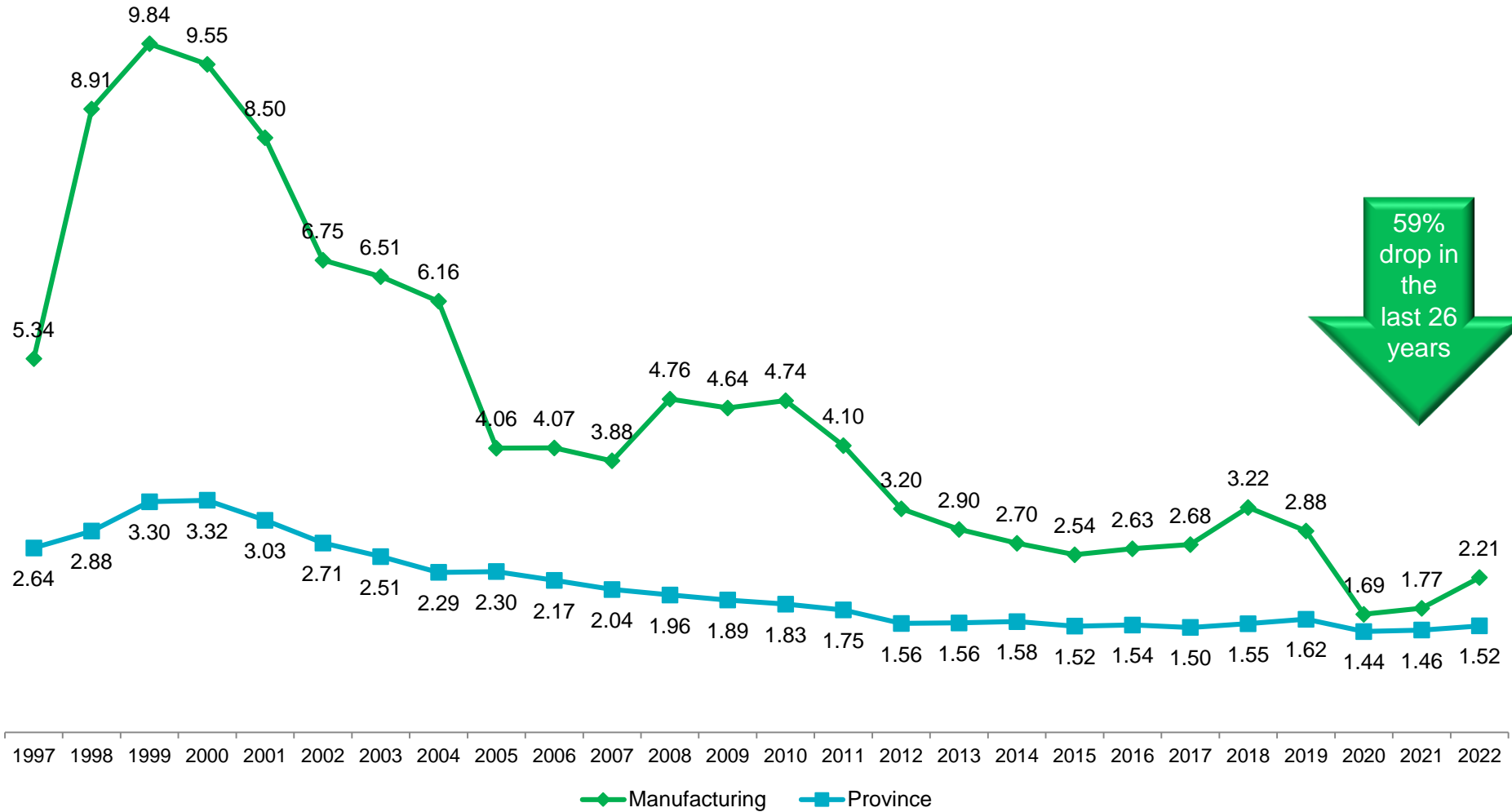


50%  
drop in  
the last  
26  
years

# Percentage of Injury Free Employers by Industry Newfoundland and Labrador 2022

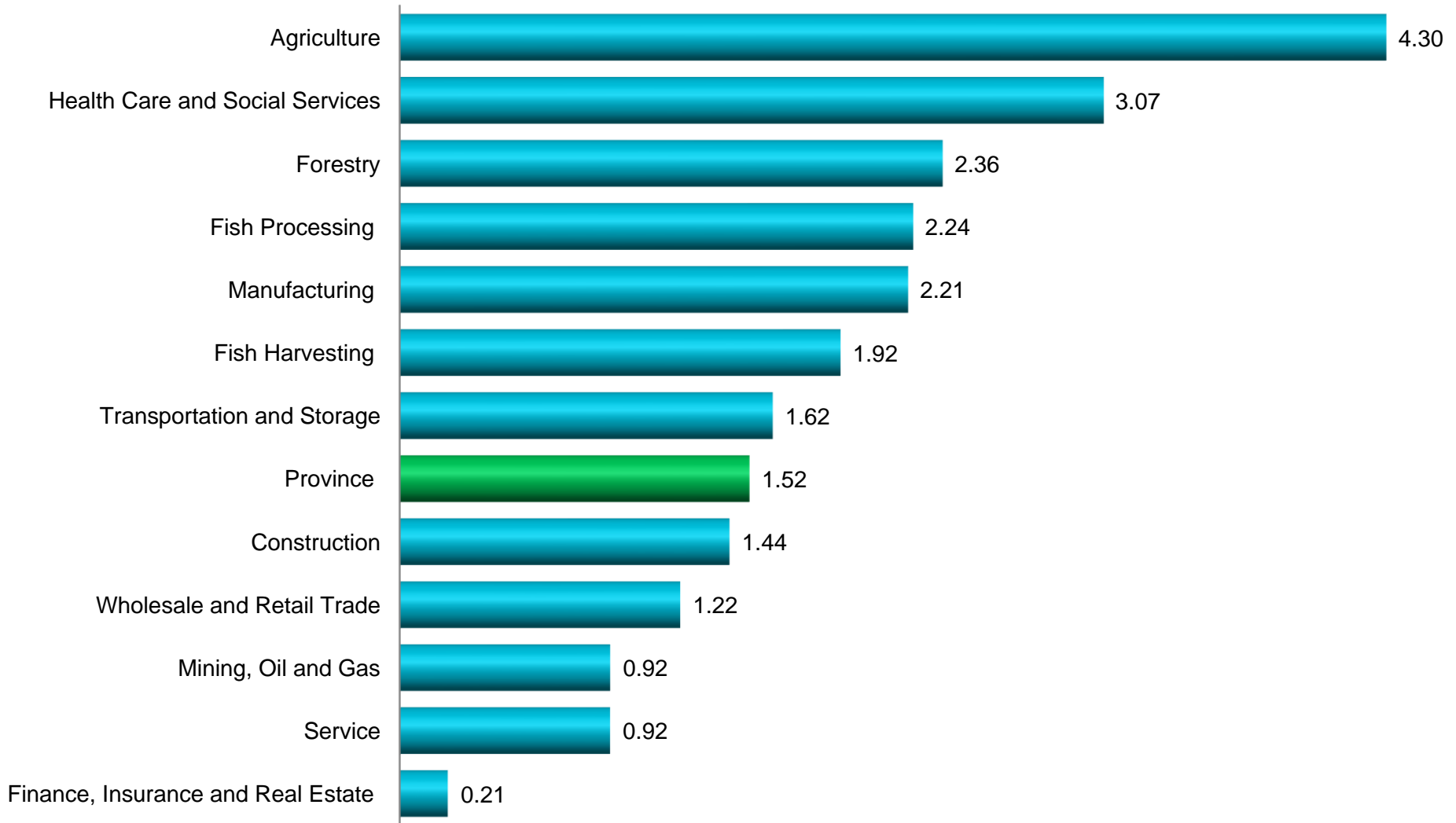


Manufacturing Industry  
 Lost-time Incidence Rate / 100 Employees  
 Newfoundland and Labrador 1997 - 2022

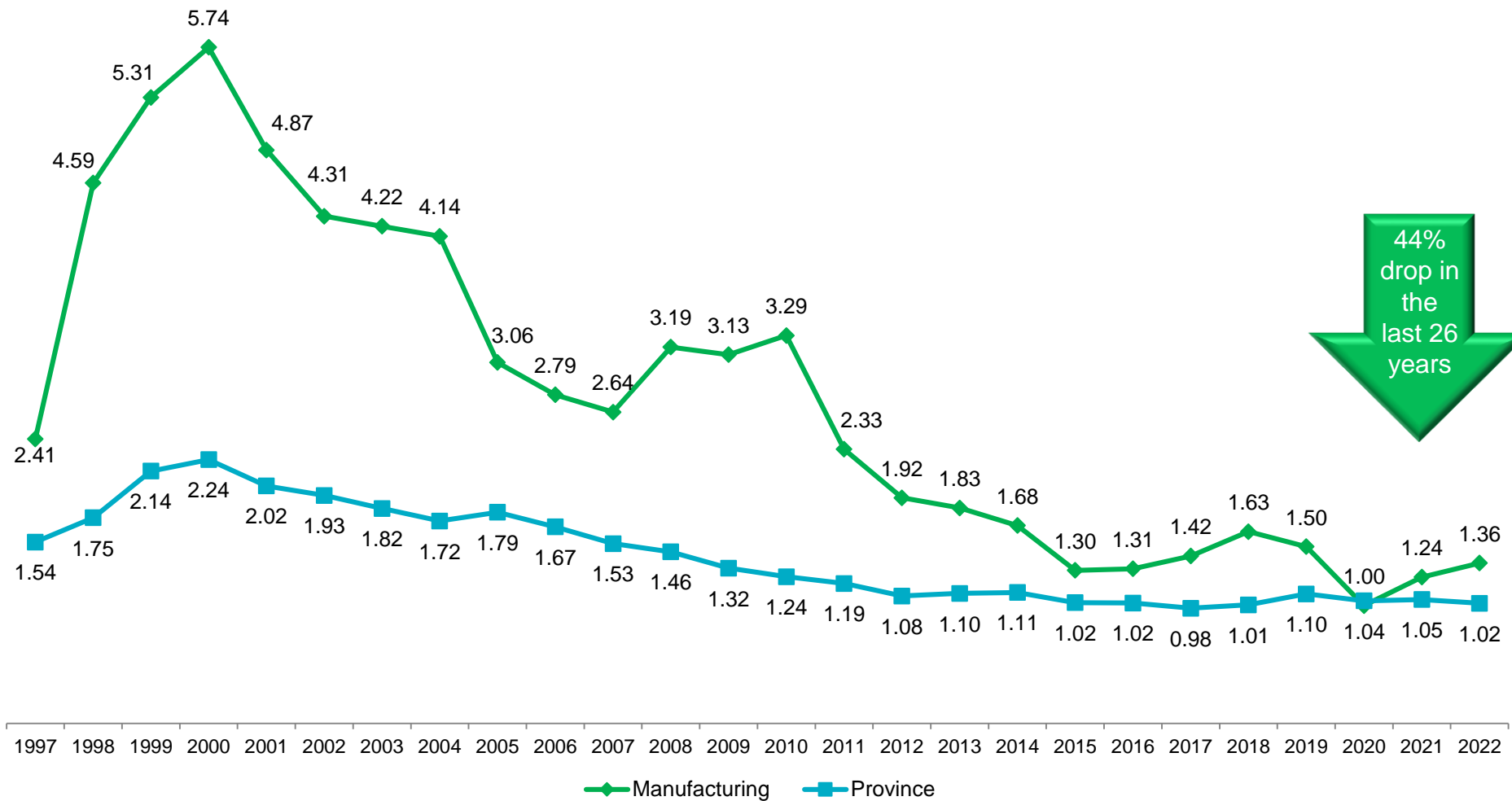


59%  
 drop in  
 the  
 last 26  
 years

Lost-time Incidence Rate per 100 Employees  
Industry Comparison  
Newfoundland and Labrador 2022



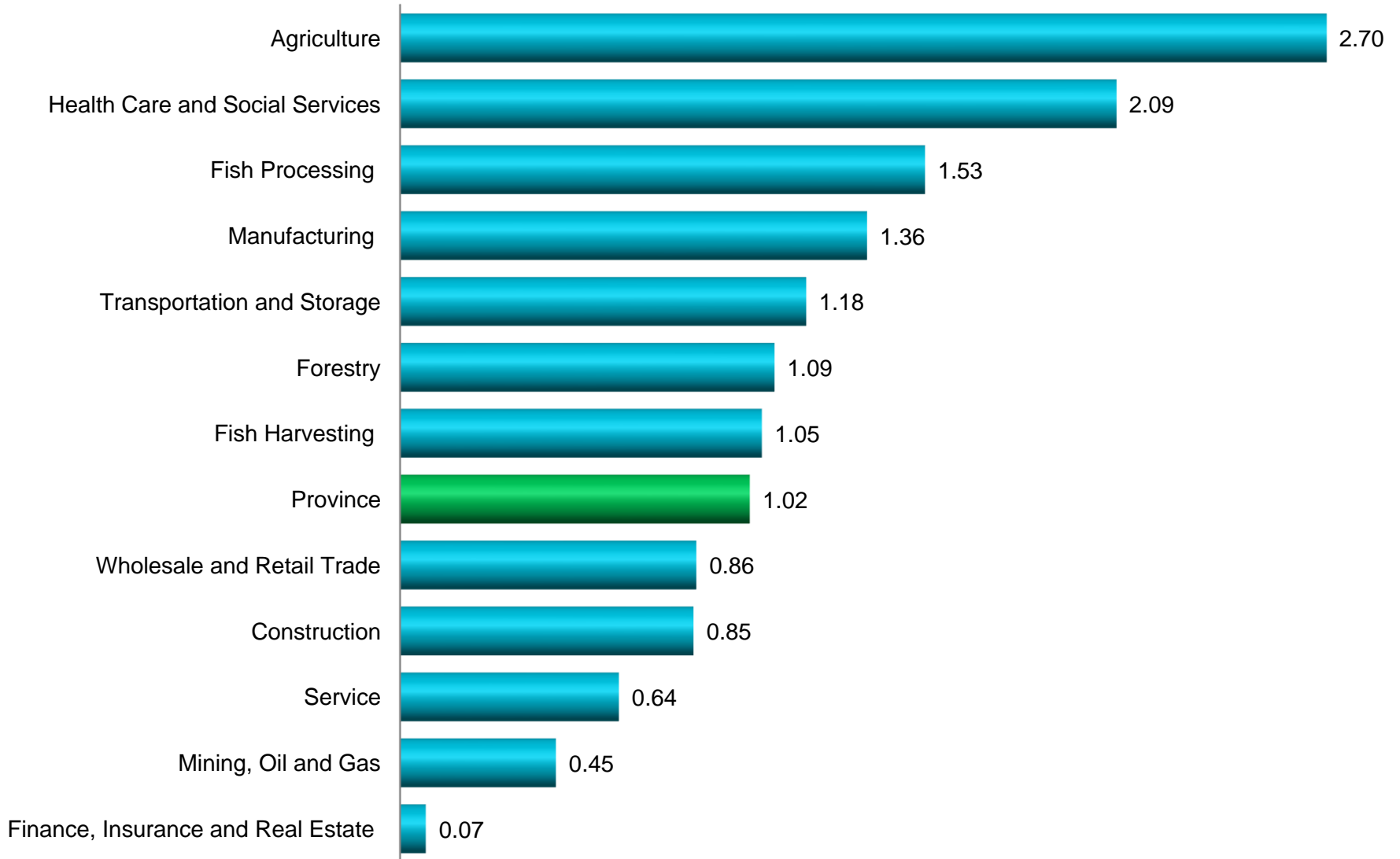
# Manufacturing Industry Soft Tissue Incidence Rate / 100 Employees Newfoundland and Labrador 1997 - 2022



44%  
drop in  
the  
last 26  
years



Soft Tissue Incidence Rate per 100 Employees  
Industry Comparison  
Newfoundland and Labrador 2022

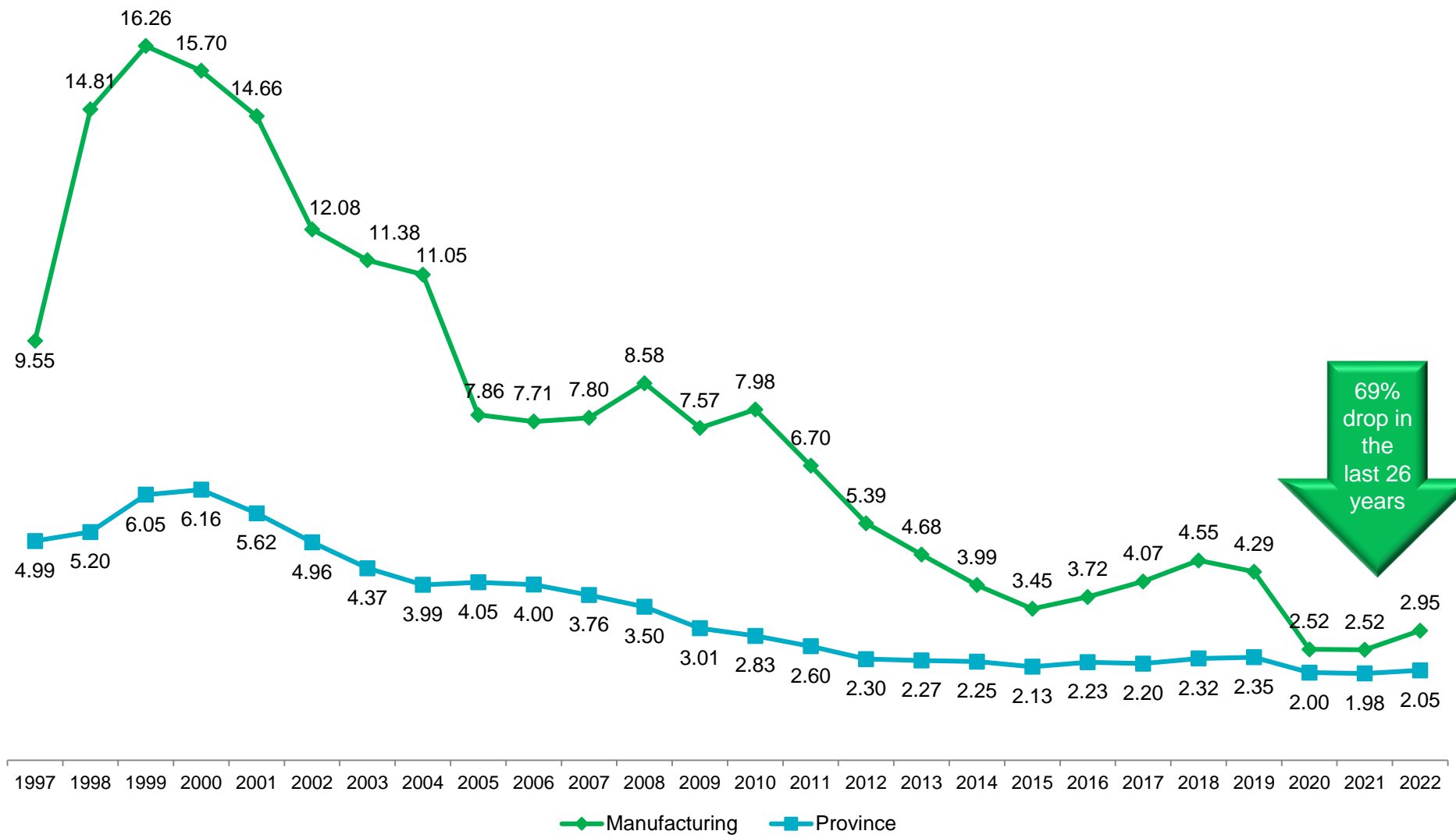


# Manufacturing Industry Health Care Only Incidence Rate / 100 Employees Newfoundland and Labrador 1997 - 2022



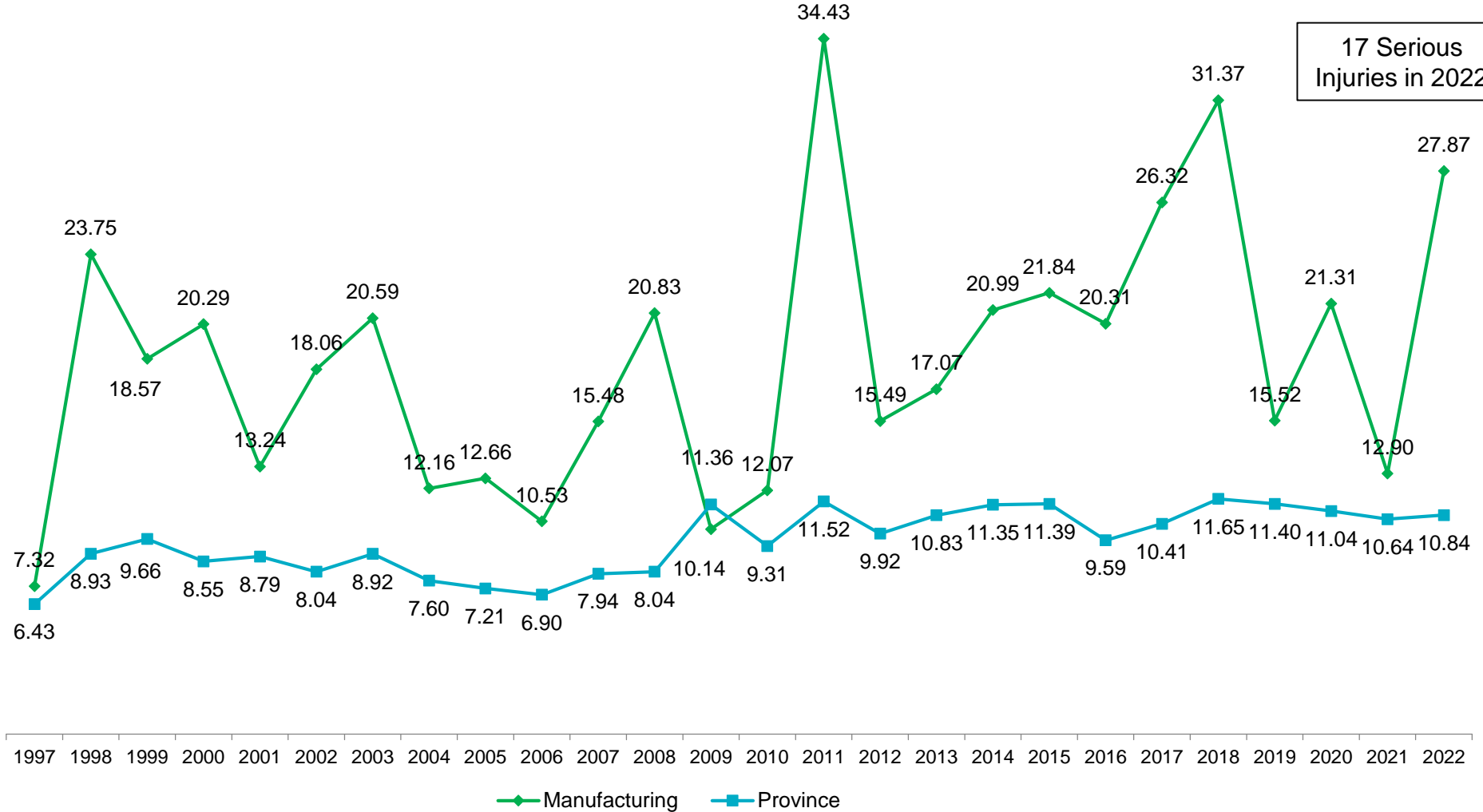
84%  
drop in  
the  
last 26  
years

# Manufacturing Industry All Claims Incidence Rate / 100 Employees Newfoundland and Labrador 1997 - 2022



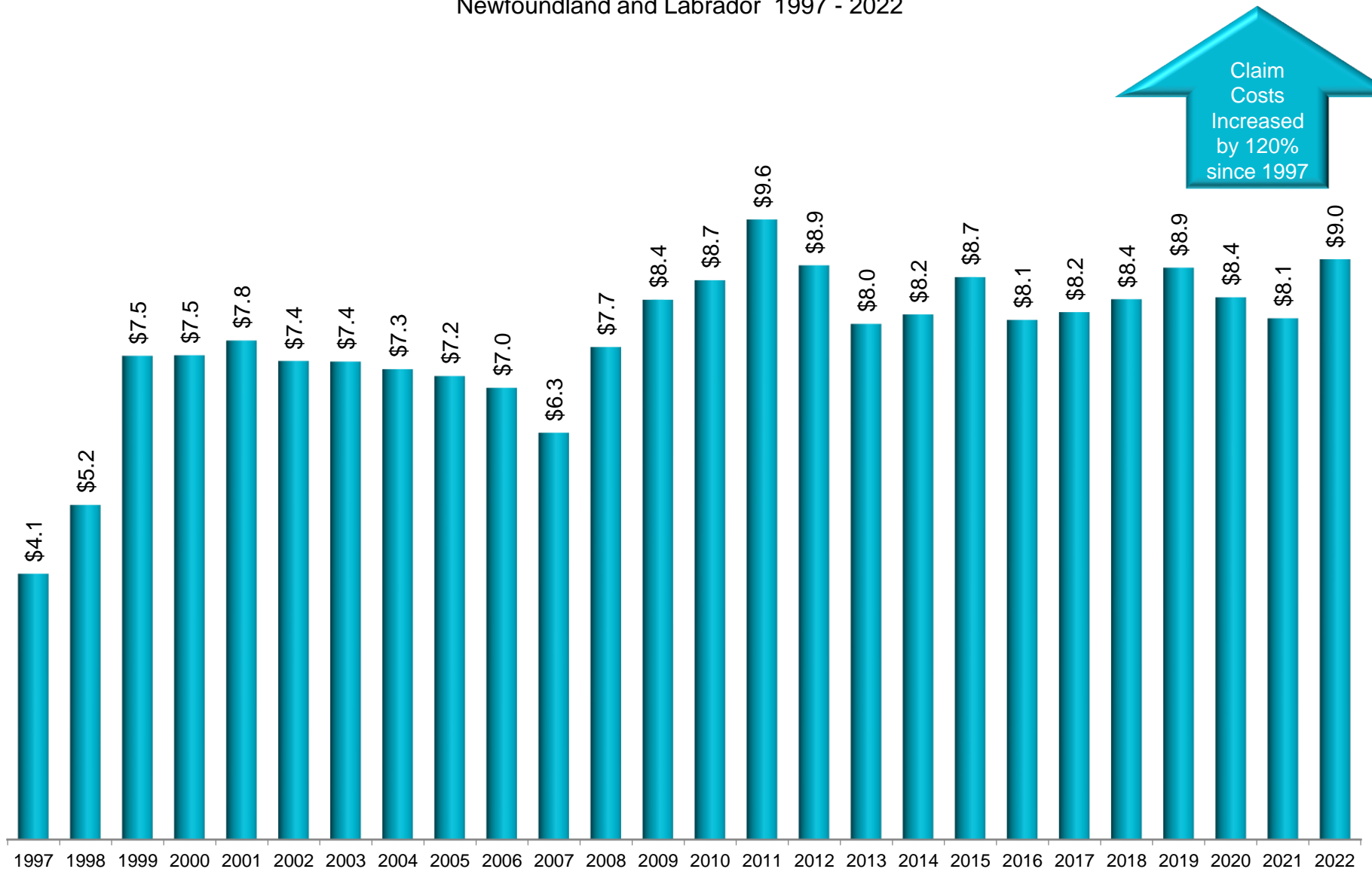
69%  
drop in  
the  
last 26  
years

# Manufacturing Industry Serious Injury Rate / 10,000 Employees Newfoundland and Labrador 1997 - 2022

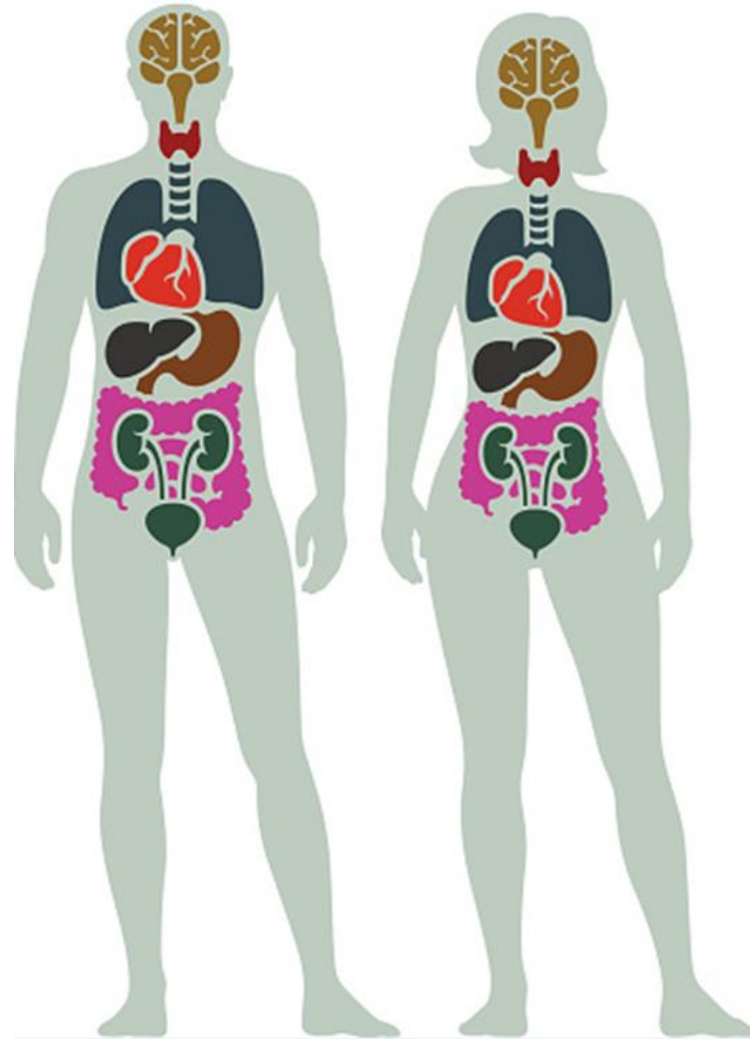


17 Serious Injuries in 2022

Manufacturing Industry  
Total Claim Costs (millions) by Payment Year  
Newfoundland and Labrador 1997 - 2022

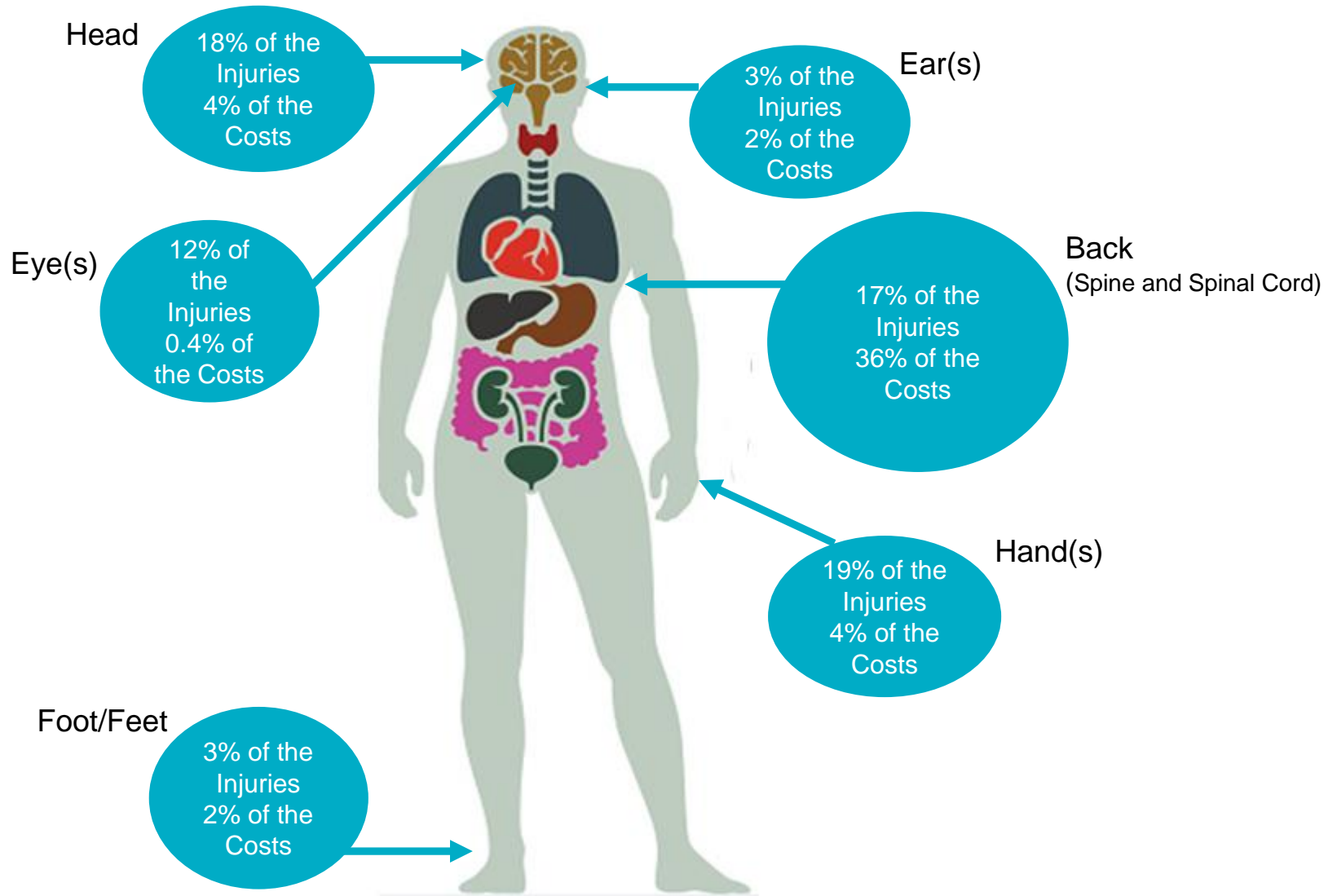


# Selected Parts of Body Metrics

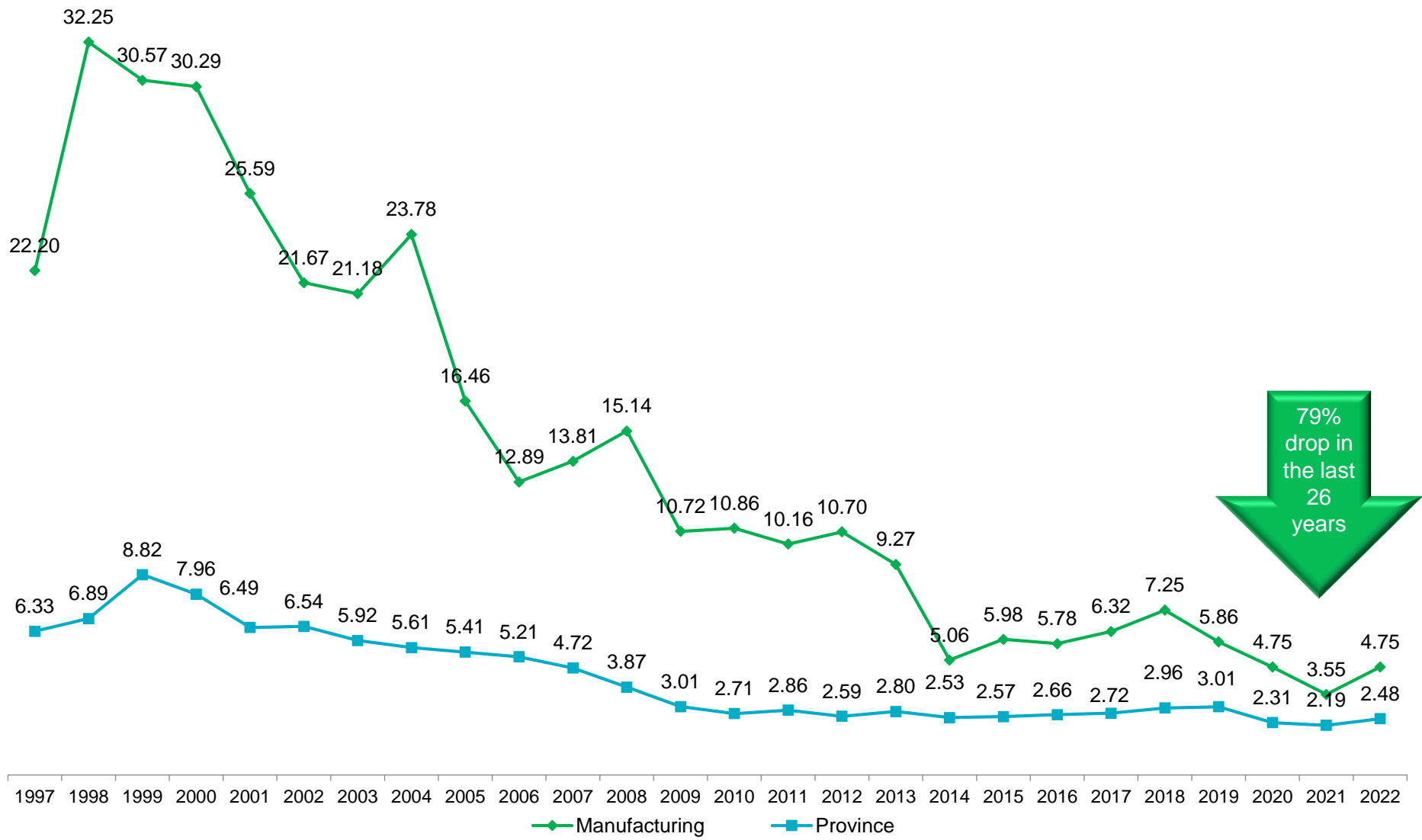


# Work related Physical Injuries

## What are the effects over the last 26 years?



# Manufacturing Industry Head Injury Rate / 1,000 Employees Newfoundland and Labrador 1997 - 2022



79%  
drop in  
the last  
26  
years

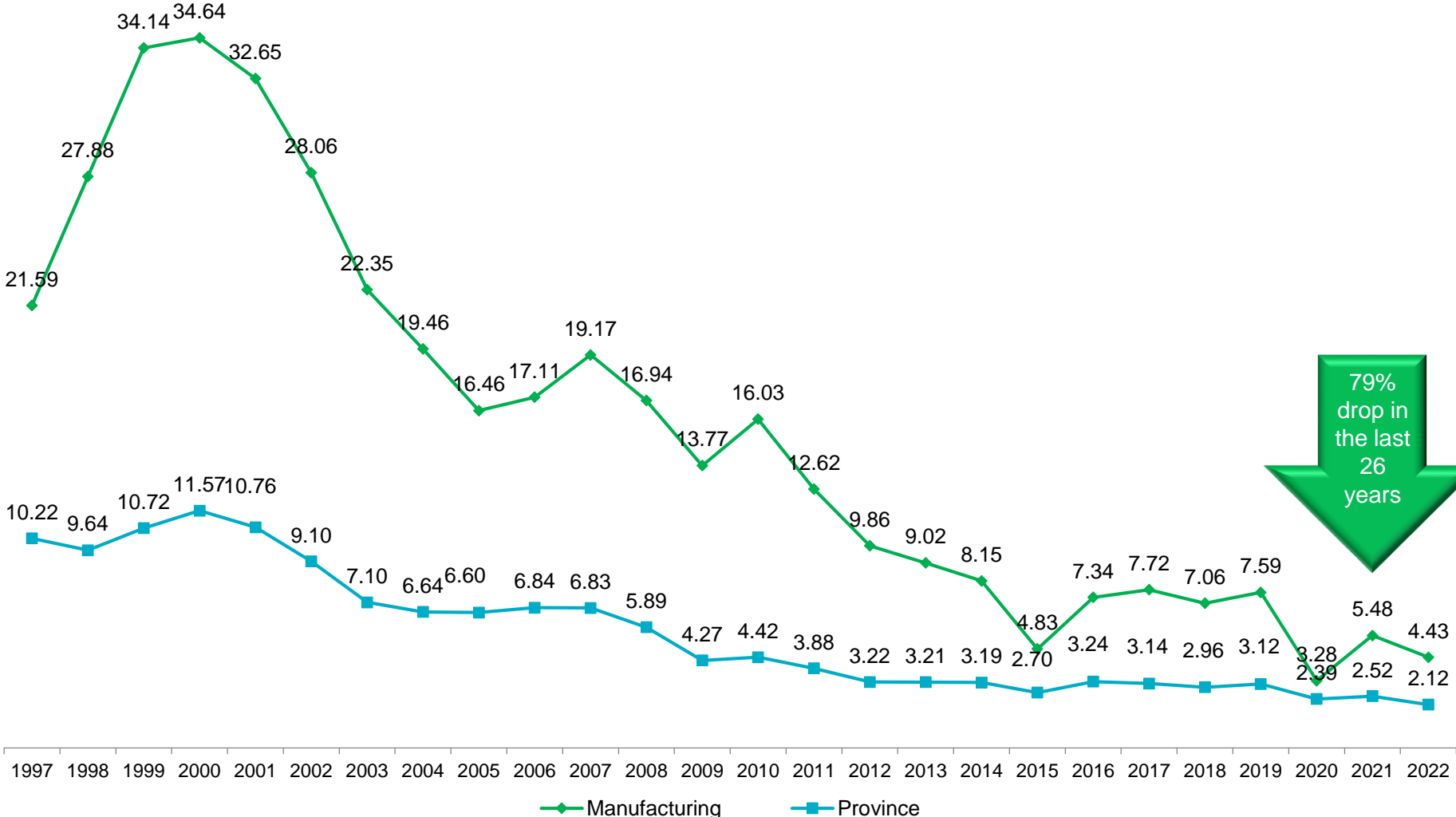


# Manufacturing Industry Eye Injury Rate / 1,000 Employees Newfoundland and Labrador 1997 - 2022



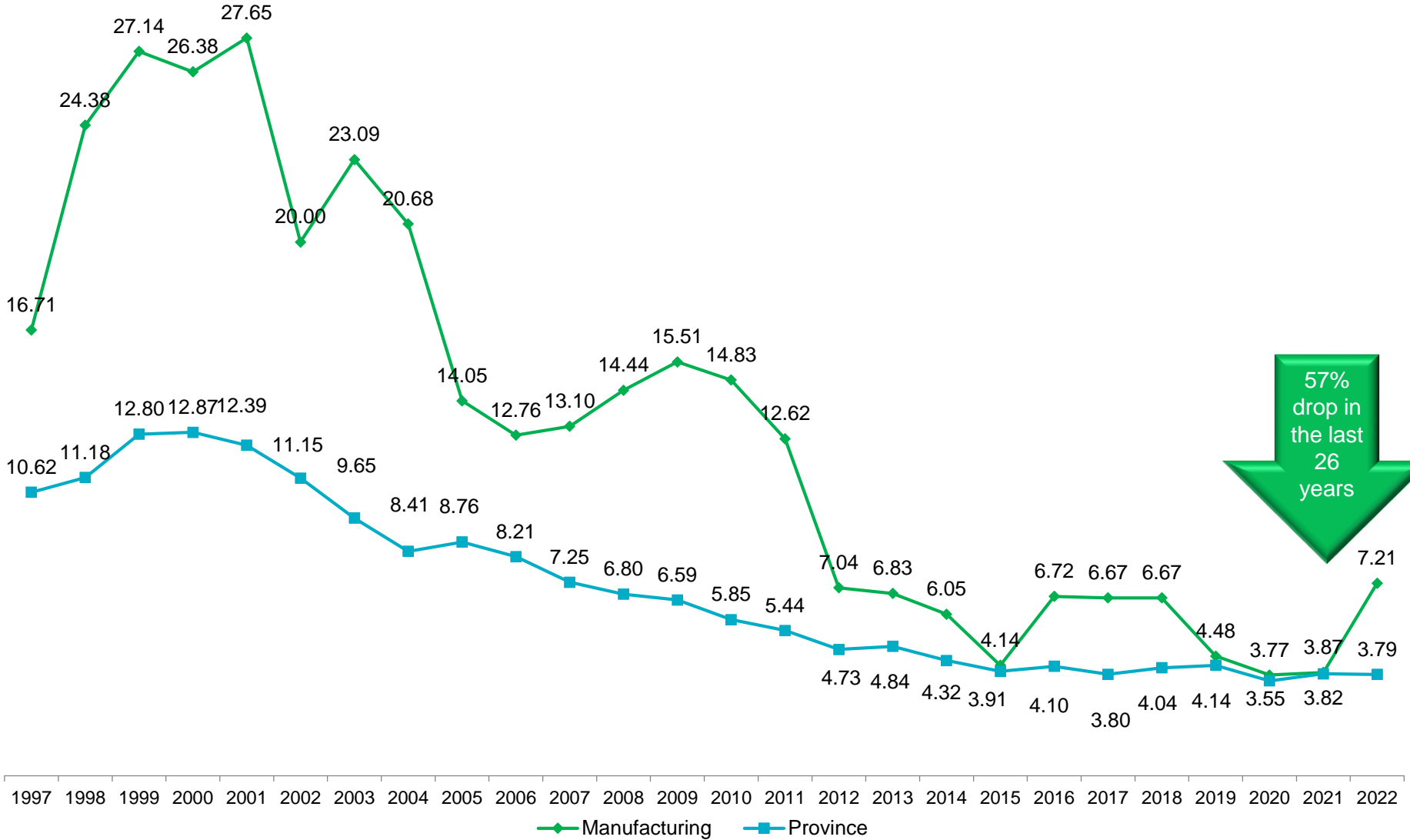
88%  
drop in  
the last  
26  
years

Manufacturing Industry  
 Hand Injury Rate / 1,000 Employees  
 Newfoundland and Labrador 1997 - 2022



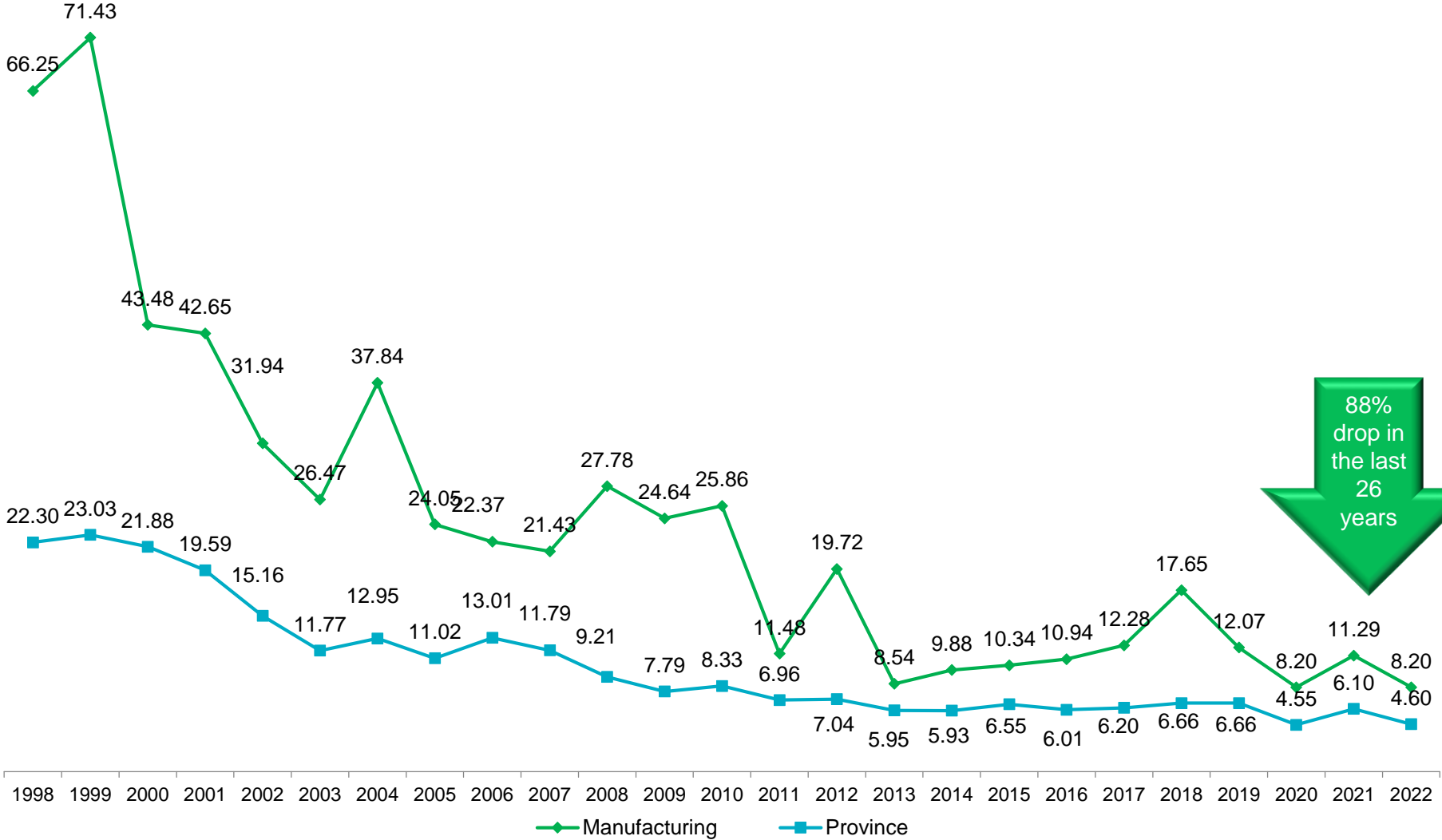
79%  
 drop in  
 the last  
 26  
 years

# Manufacturing Industry Back Injury Rate / 1,000 Employees Newfoundland and Labrador 1997 - 2022



57%  
drop in  
the last  
26  
years

Manufacturing Industry  
 Foot Injury Rate / 10,000 Employees  
 Newfoundland and Labrador 1997 - 2022

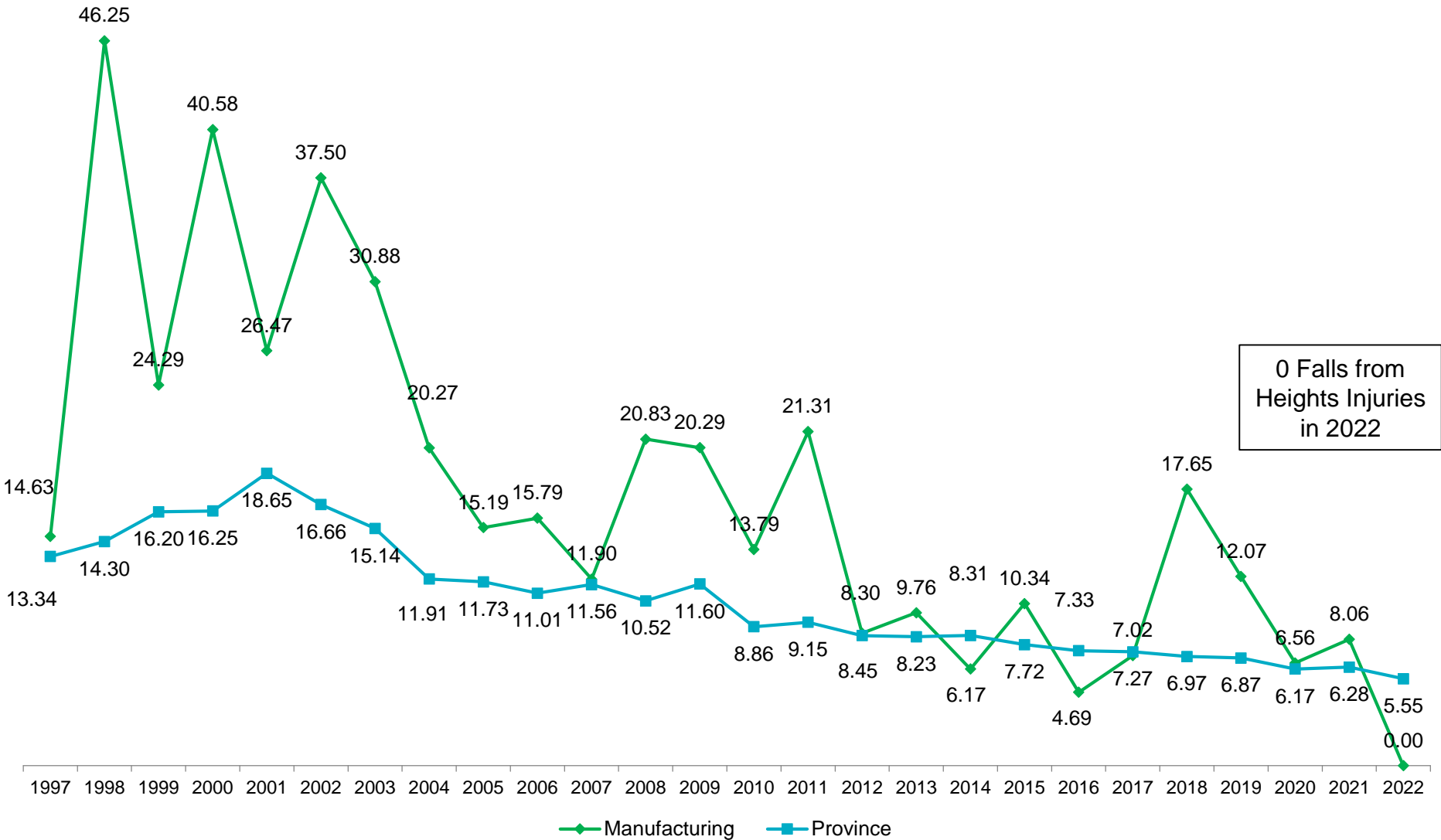


88%  
 drop in  
 the last  
 26  
 years

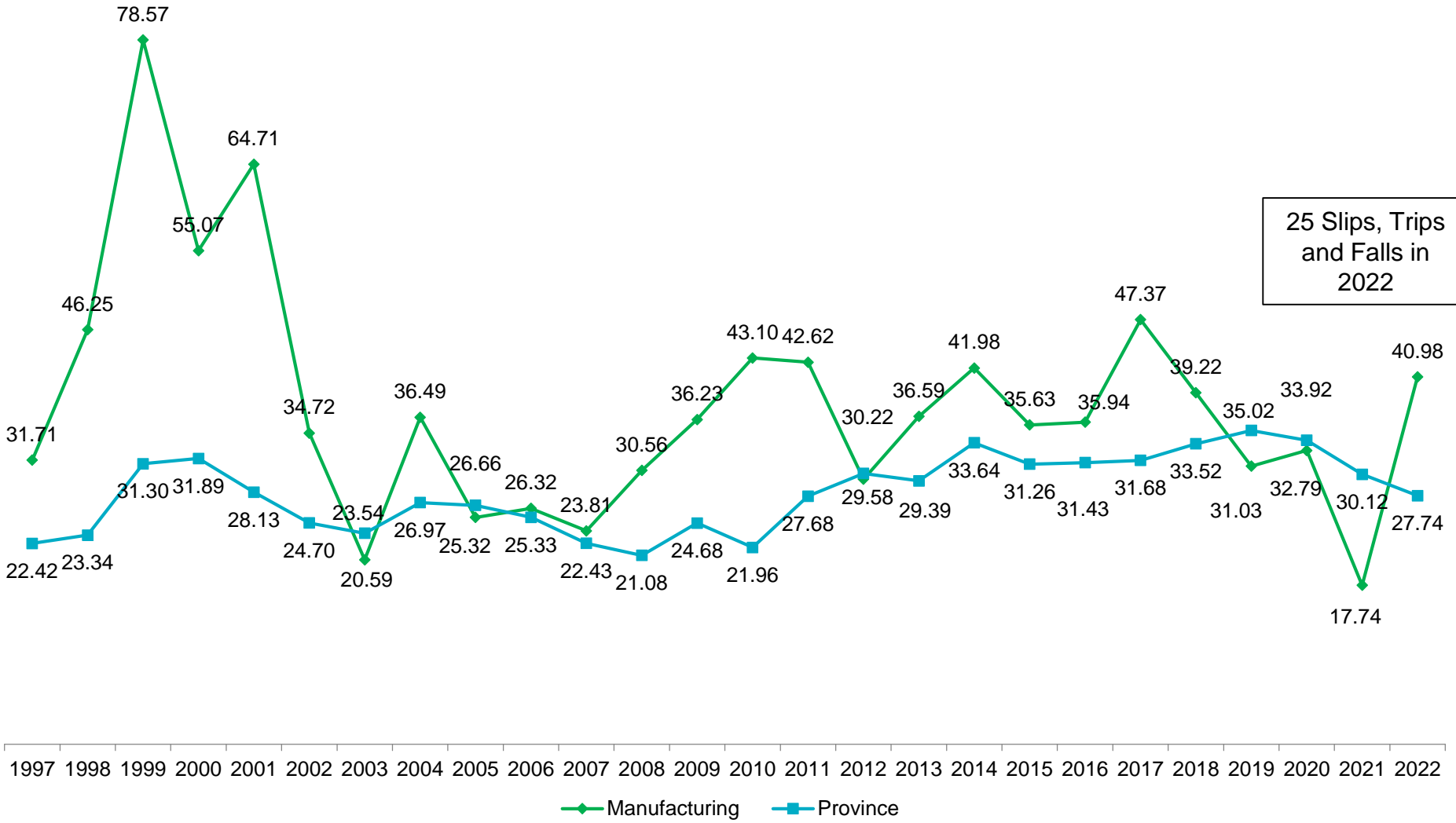


# Selected Type of Accidents Metrics

# Manufacturing Industry Falls from Heights Injury Rate / 10,000 Employees Newfoundland and Labrador 1997 - 2022



**Manufacturing Industry**  
**Slips, Trips and Falls Injury Rate / 10,000 Employees**  
**Newfoundland and Labrador 1997 - 2022**

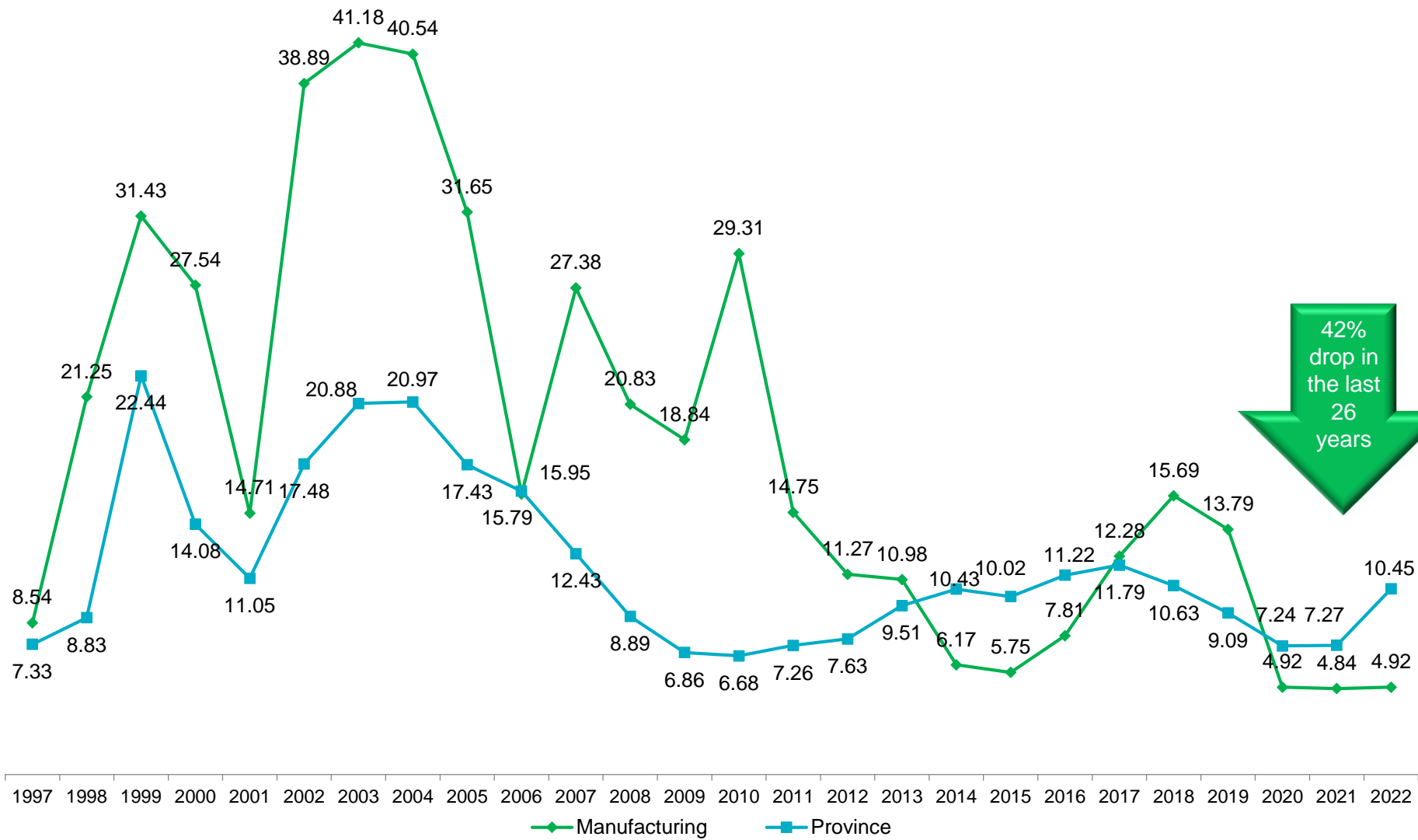


25 Slips, Trips  
and Falls in  
2022



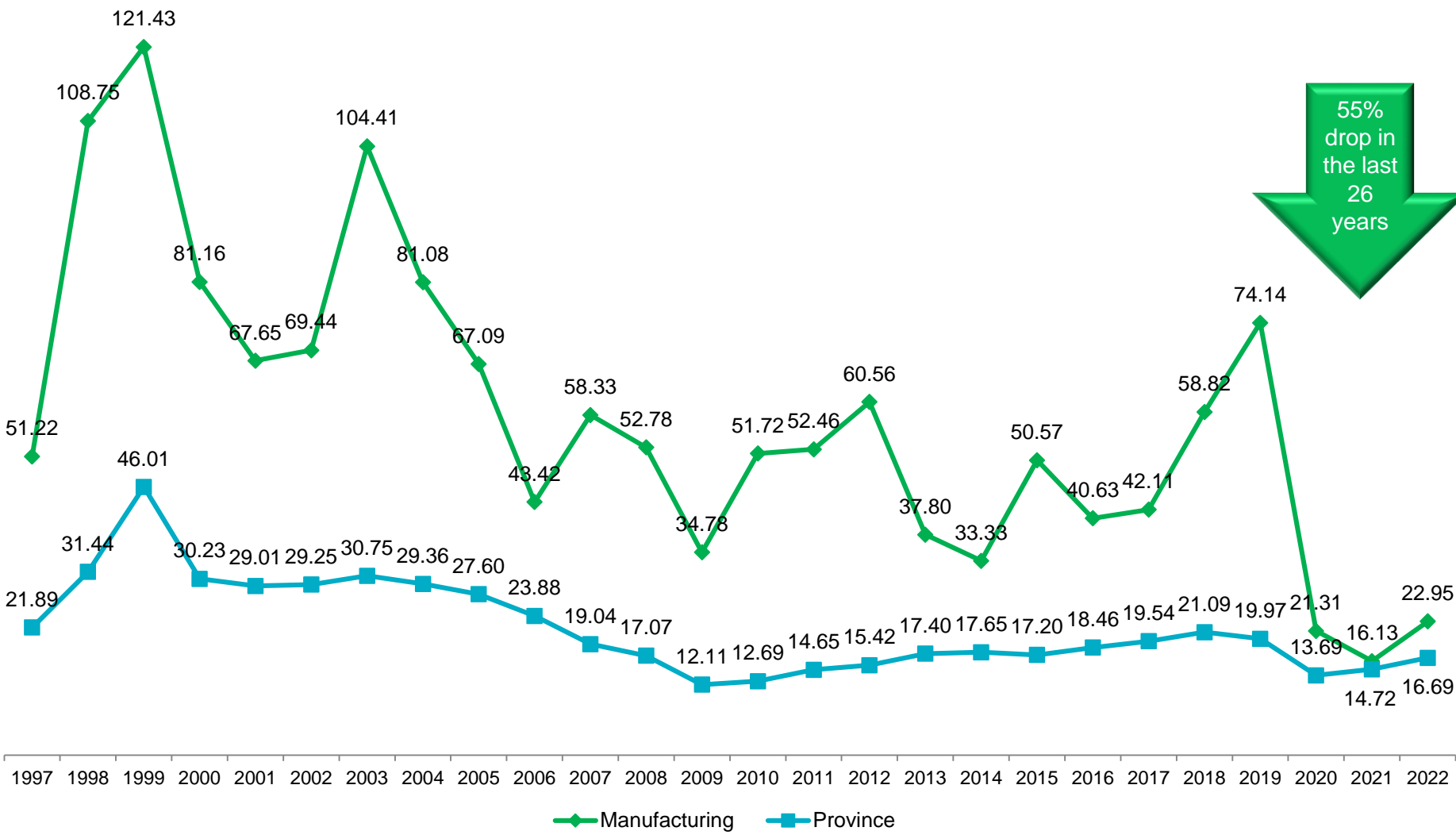


# Manufacturing Industry Hearing Loss Injury Rate / 10,000 Employees Newfoundland and Labrador 1997 - 2022



42%  
drop in  
the last  
26  
years

# Manufacturing Industry Occupational Disease Incidence Rate / 10,000 Employees Newfoundland and Labrador 1997 - 2022



55%  
drop in  
the last  
26  
years

