



# Partnership for Work, Health and Safety



gender/sex differences  
in work disability duration

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a place of mind



WORKING TO MAKE A DIFFERENCE

# differences in workers' compensation outcomes

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- claim proportions, rates and trends over time
- more women in a wider variety of occupations and industries
- difference in work and health care experiences.....



# research opportunity

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- 30 years of BC workers' compensation claim data

- *Secure and confidential*



populationdata<sup>BC</sup>

A PLATFORM SUPPORTING RESEARCH ON  
HUMAN HEALTH, WELL-BEING AND DEVELOPMENT.

- 93% coverage of the workforce
- policy relevance

# questions

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*Does the duration of workers' compensation claims differ for men and women?*

*Does this difference persist for workers in the same occupational group and for the same type of injury?*

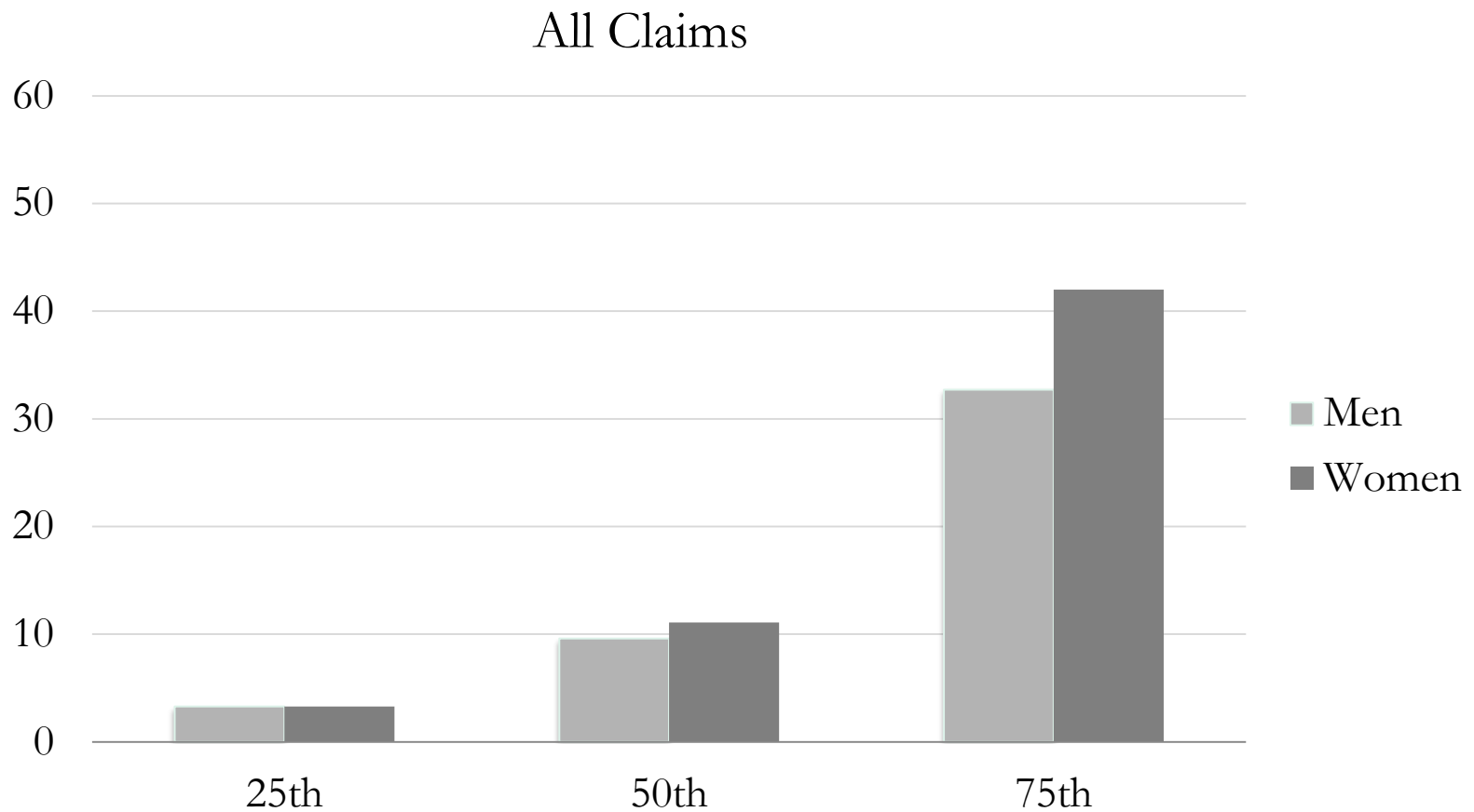
# overview

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- Short-term disability claims, 10 years
- Half a million claims, one-third females
- Wage-loss days, one year post injury
- Quantile regression (median days)
  - *compare different groups in distribution*
- Stratified by males and females
  - *Type of injury and occupational groups*

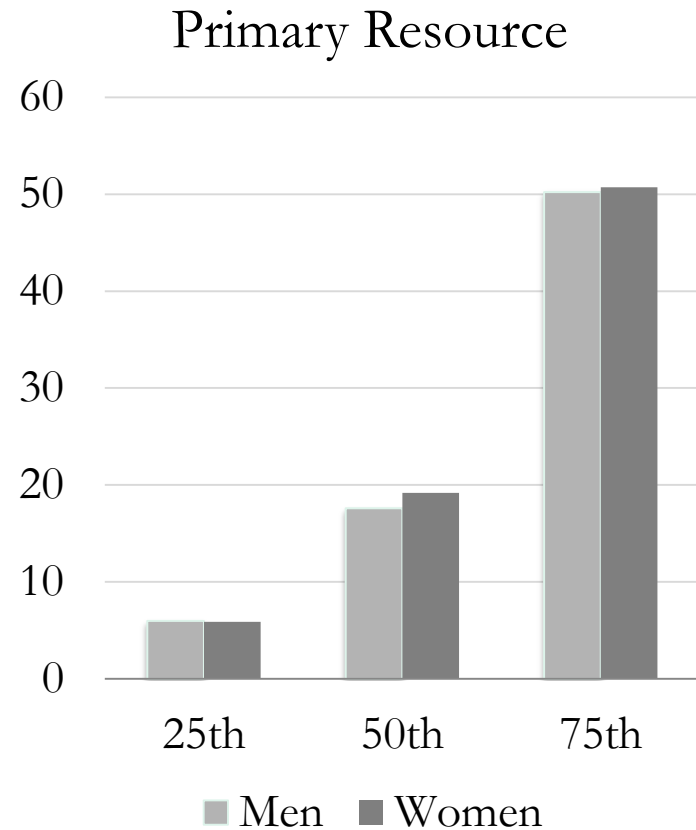
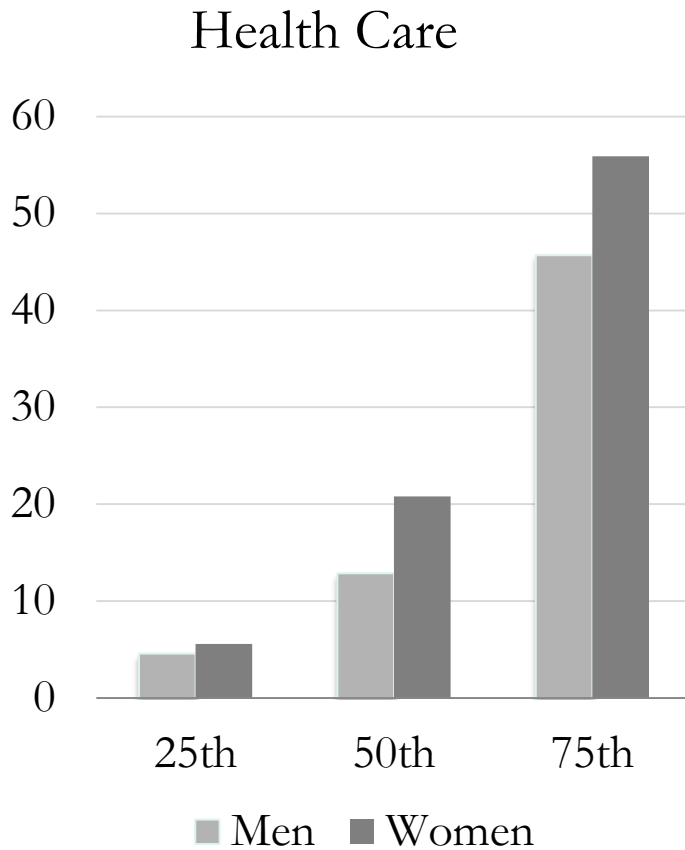
# is there a difference in work disability duration?

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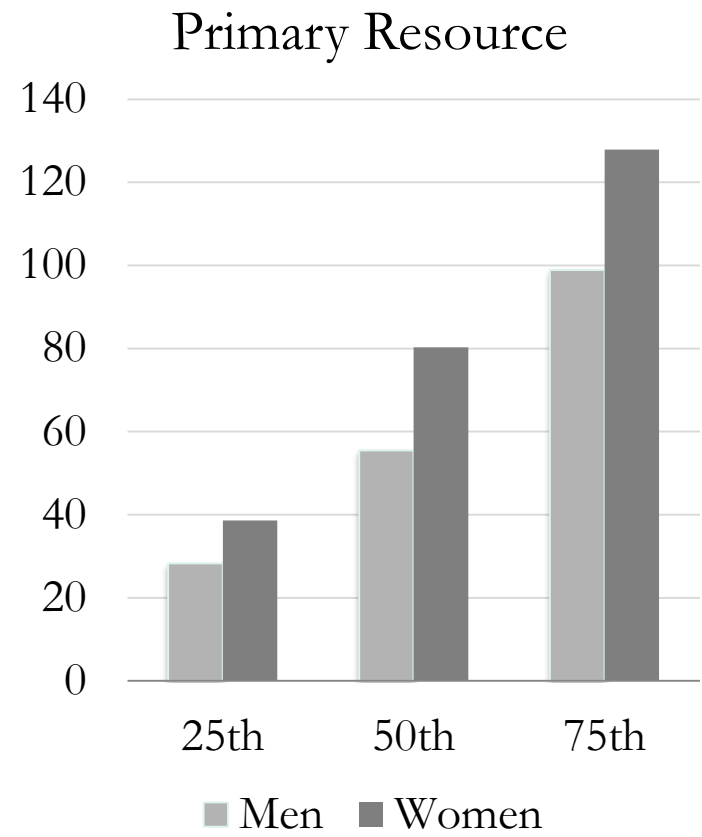
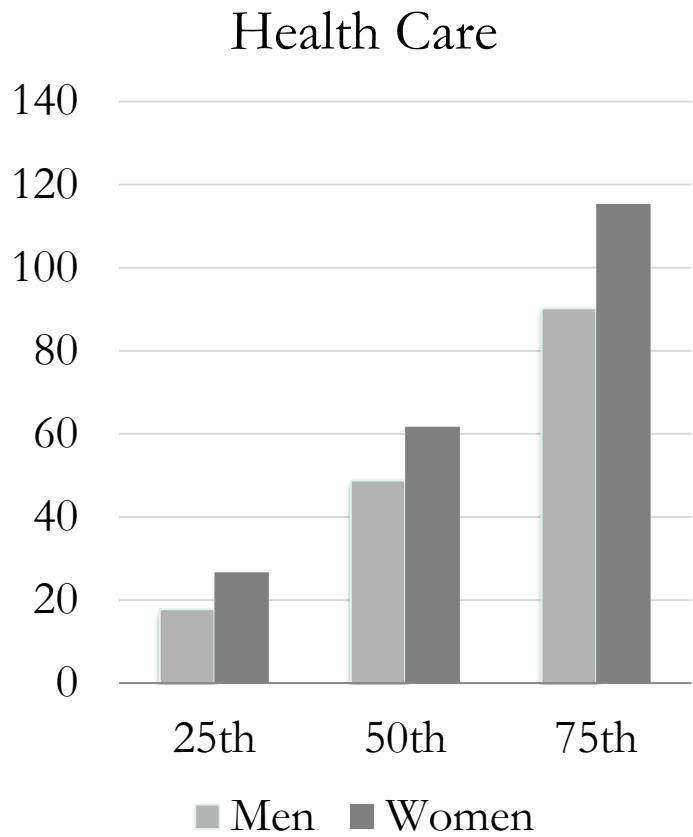
# by occupational group for MSK strains....

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# by occupational group for fractures.....

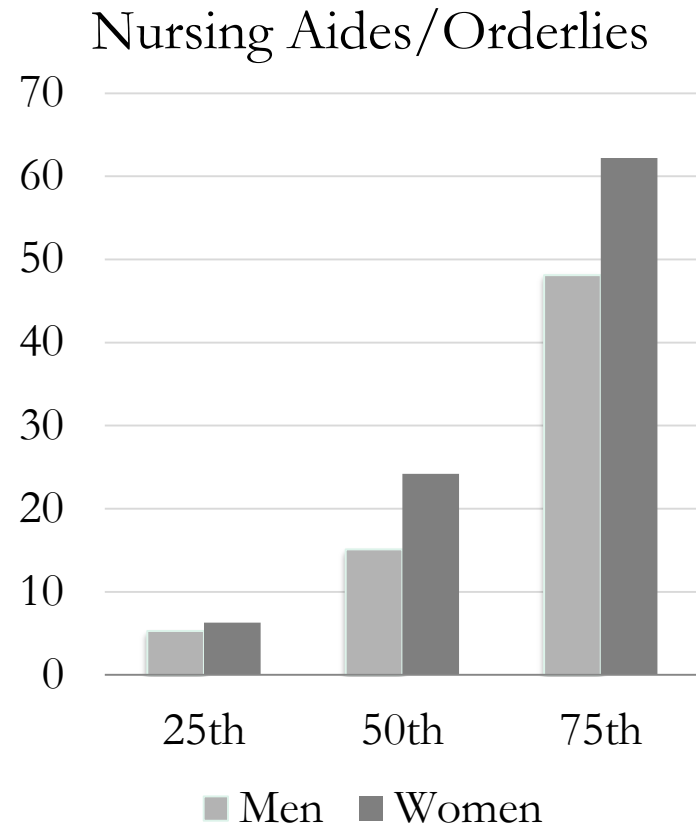
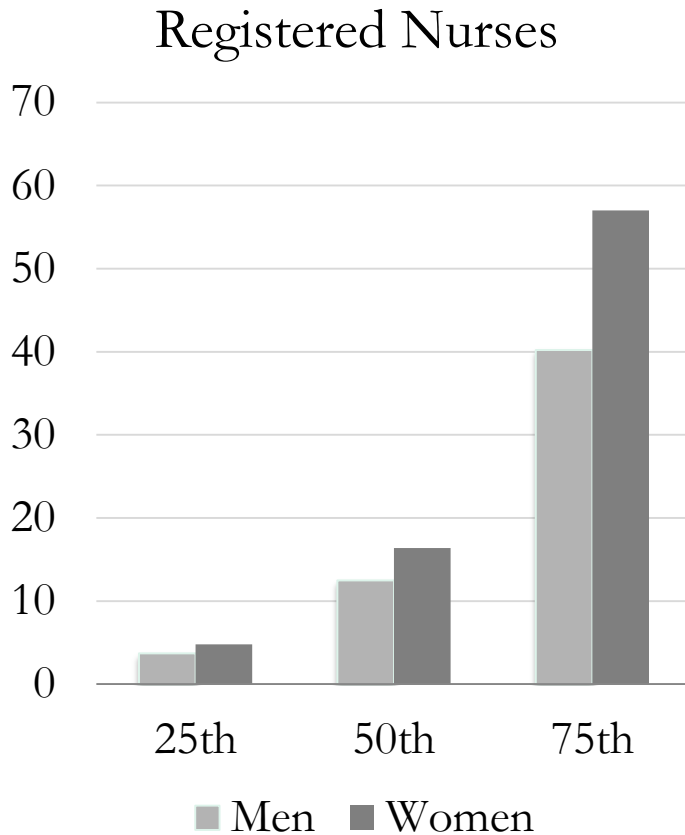
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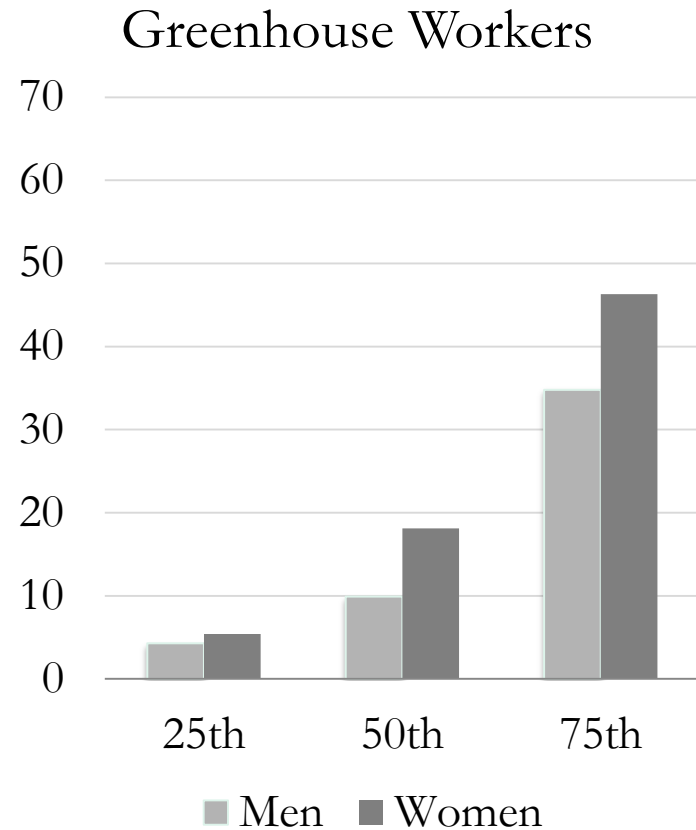
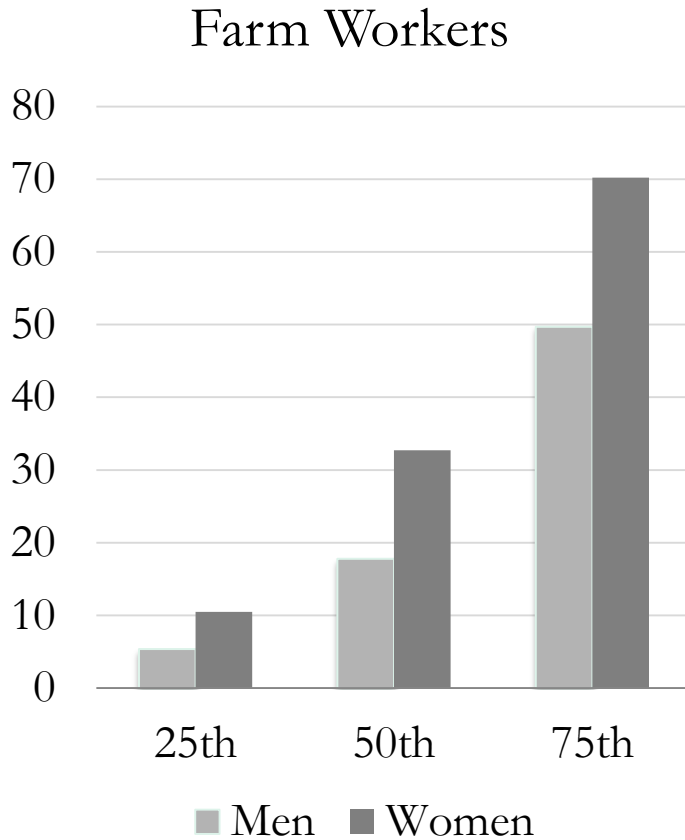
# by health care occupations for MSK strains....

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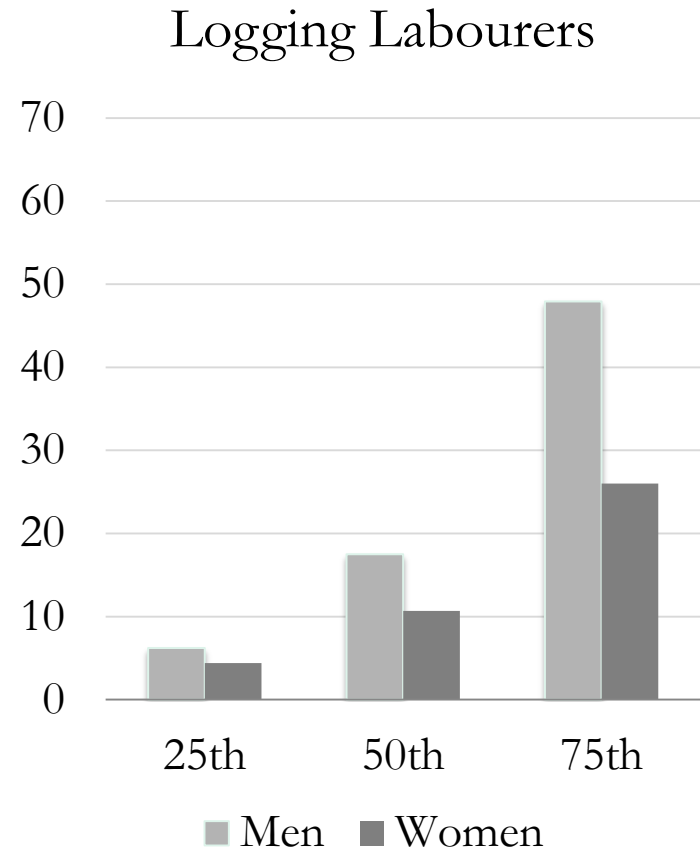
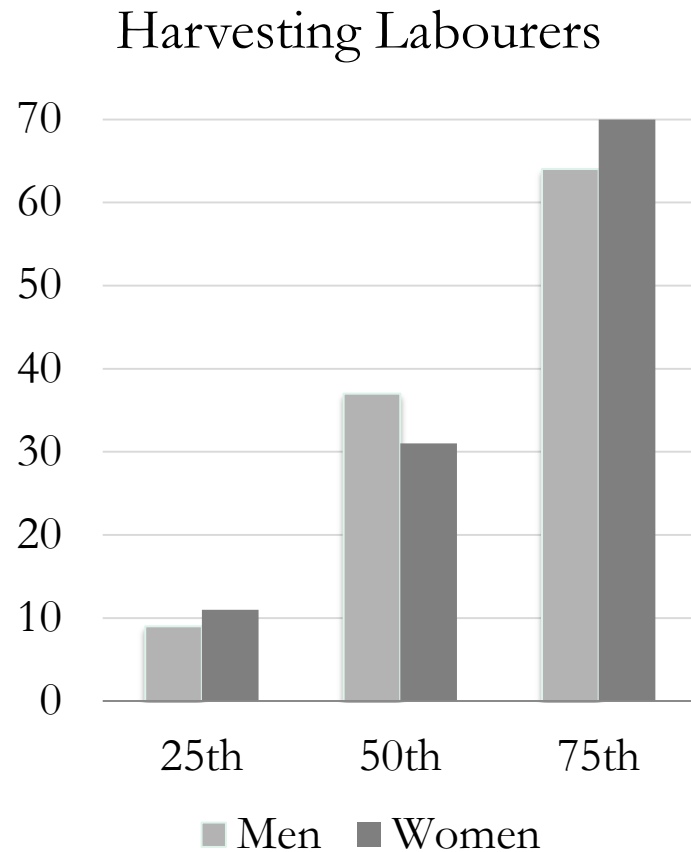
# by resource occupations for MSK strains....

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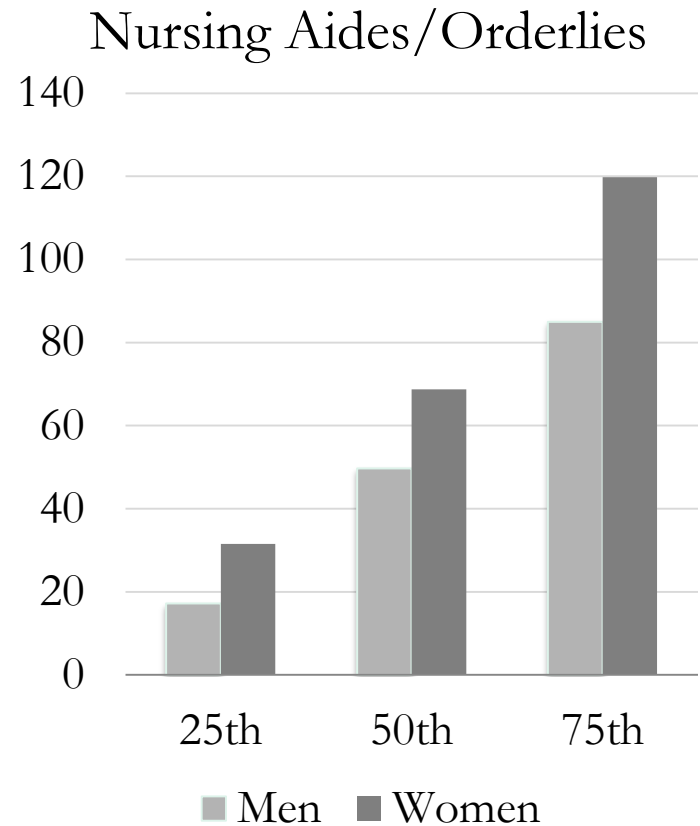
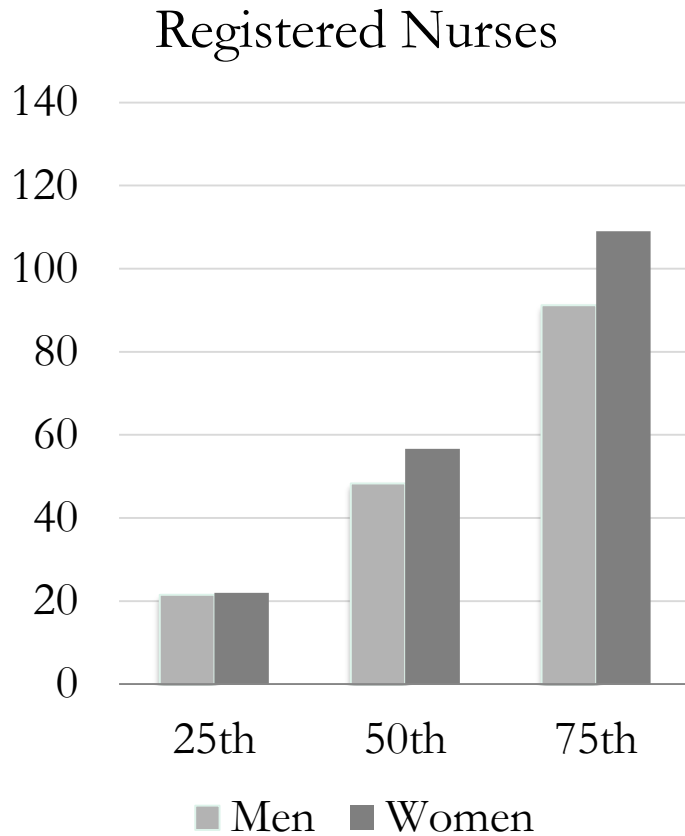
# by resource occupations for MSK strains....

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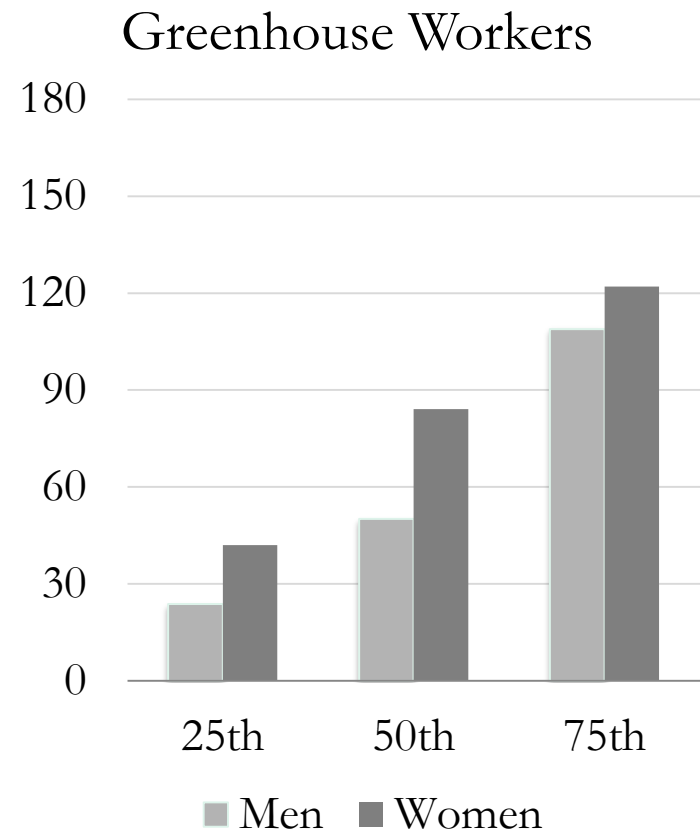
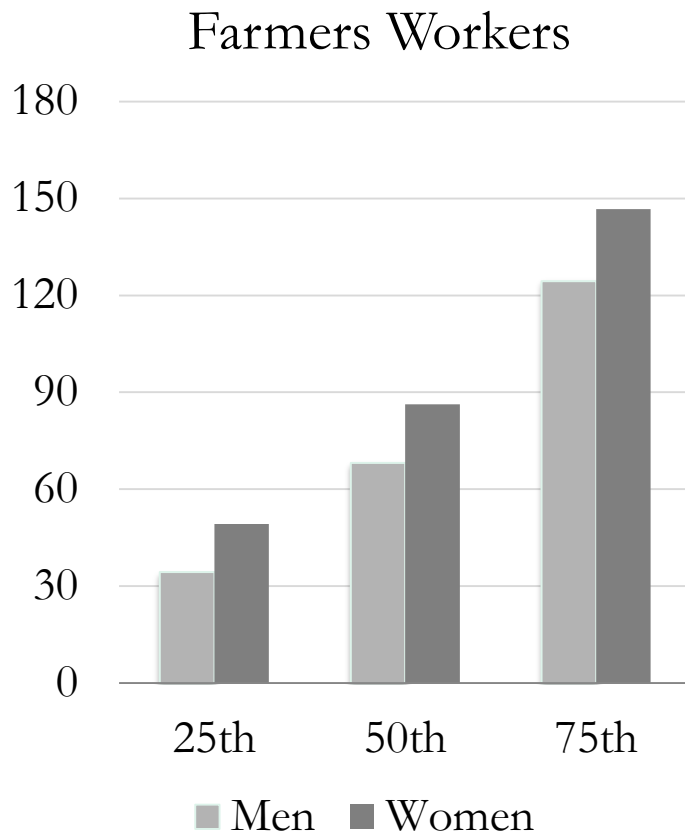
# by health care occupations for fractures....

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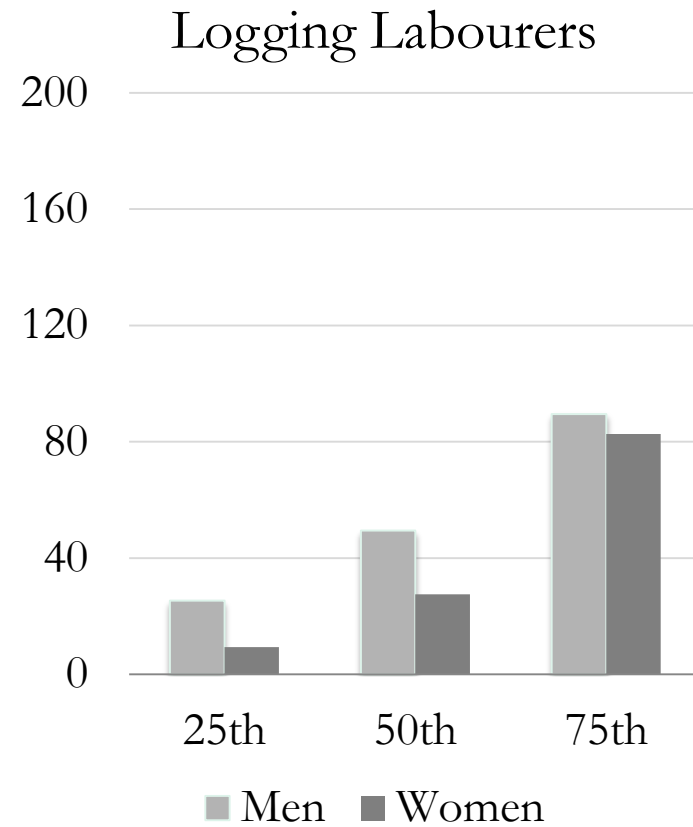
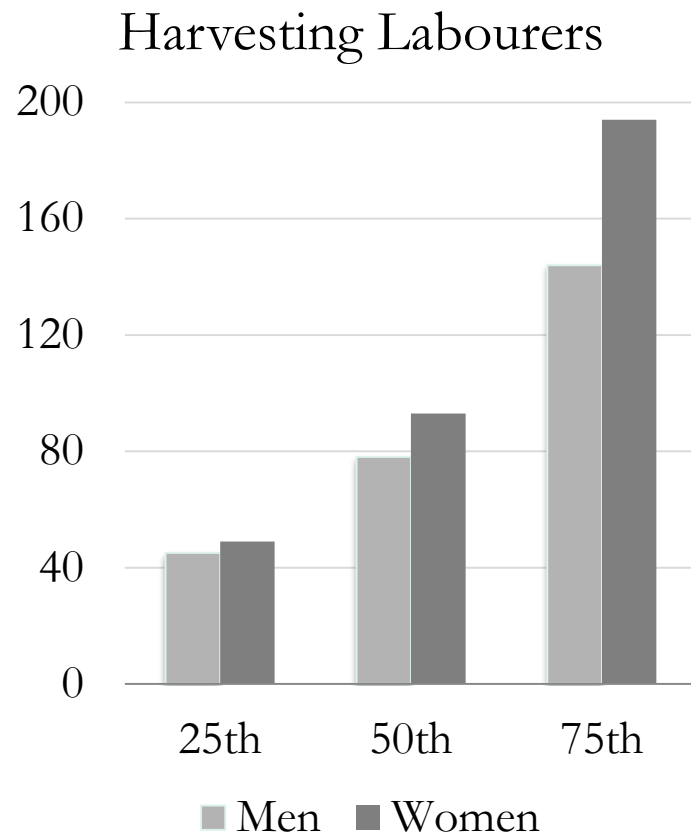
# by resource occupations for fractures....

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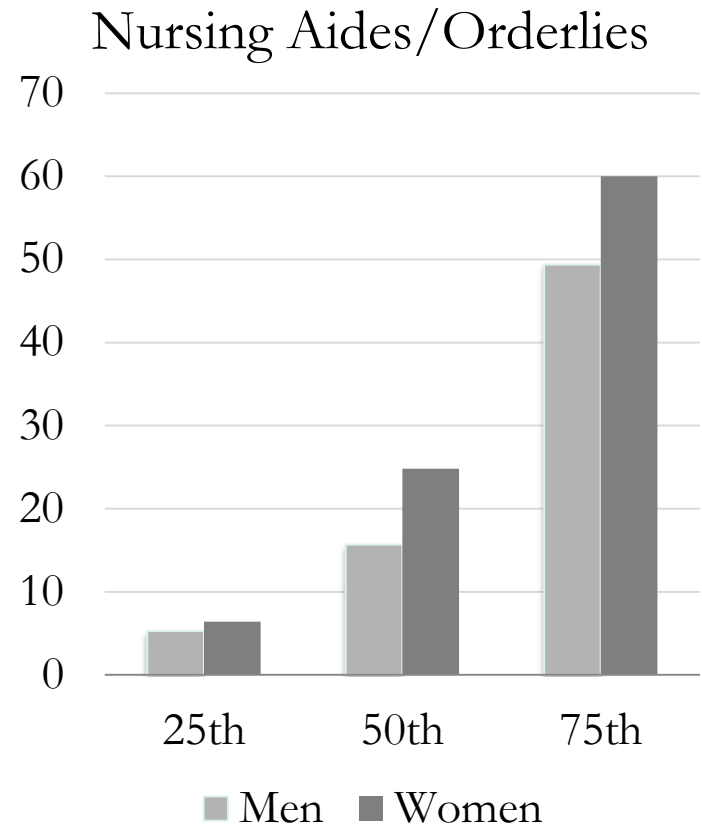
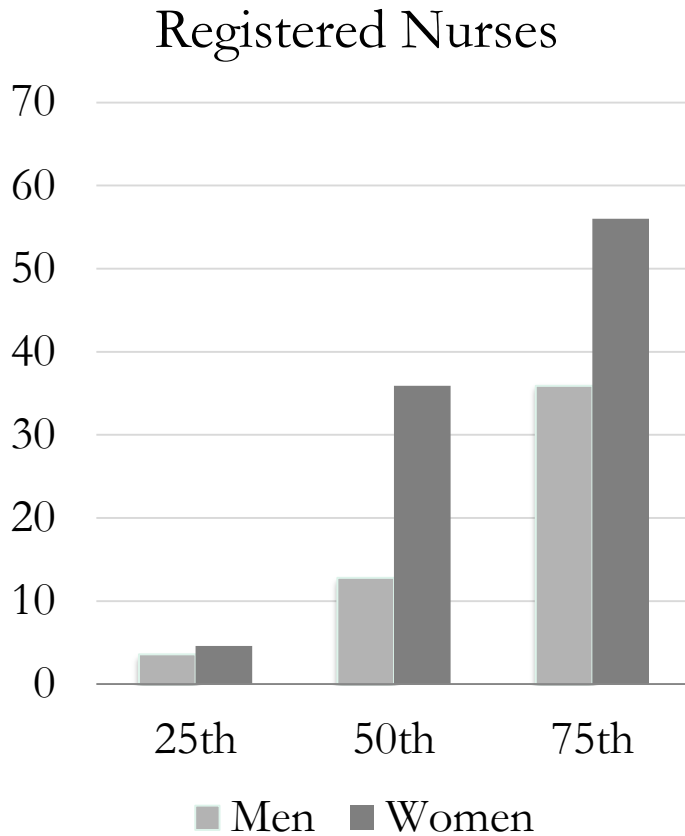
# by resource occupations for fractures....

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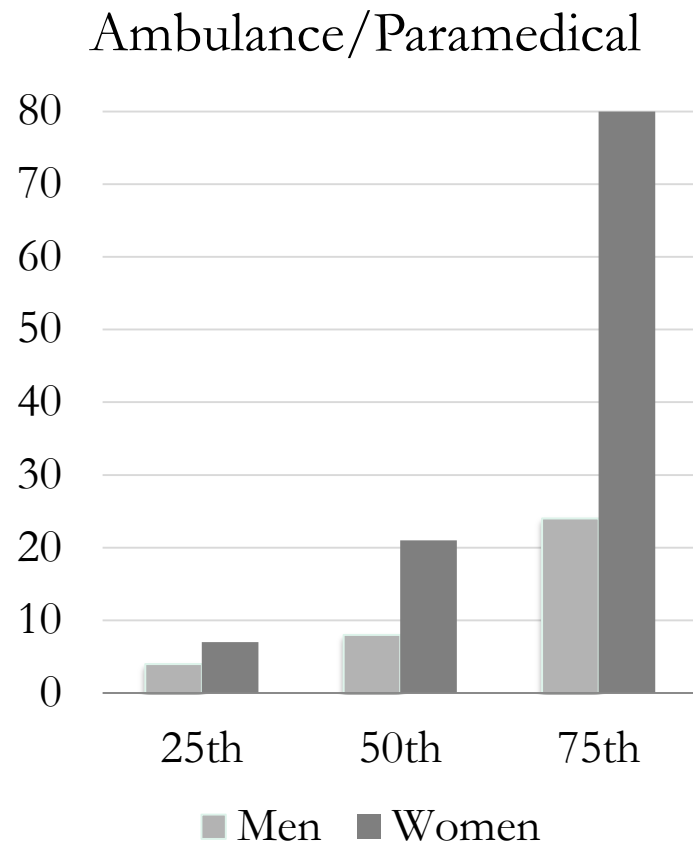
# by health care occupations for back strains....

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# by health care occupations for back strains....

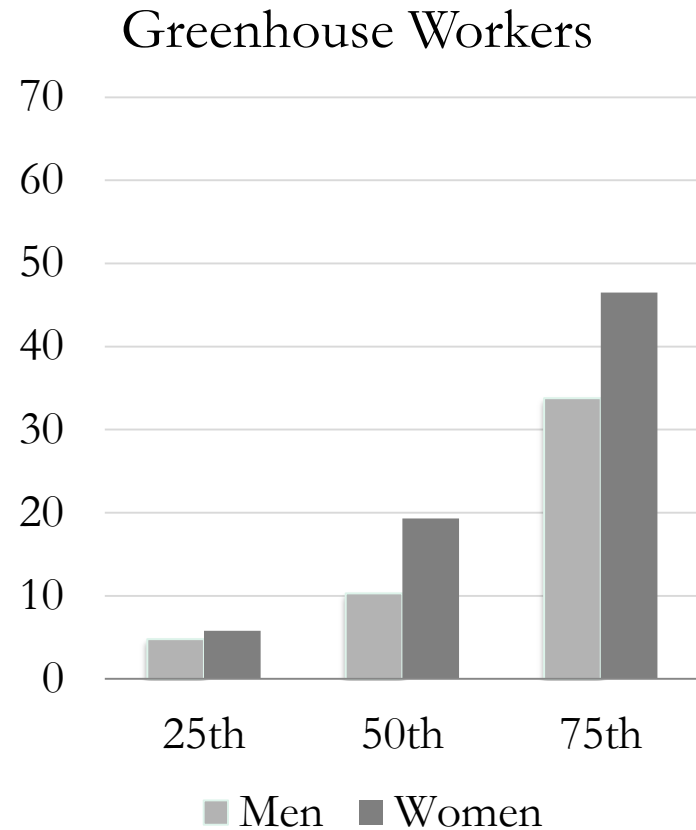
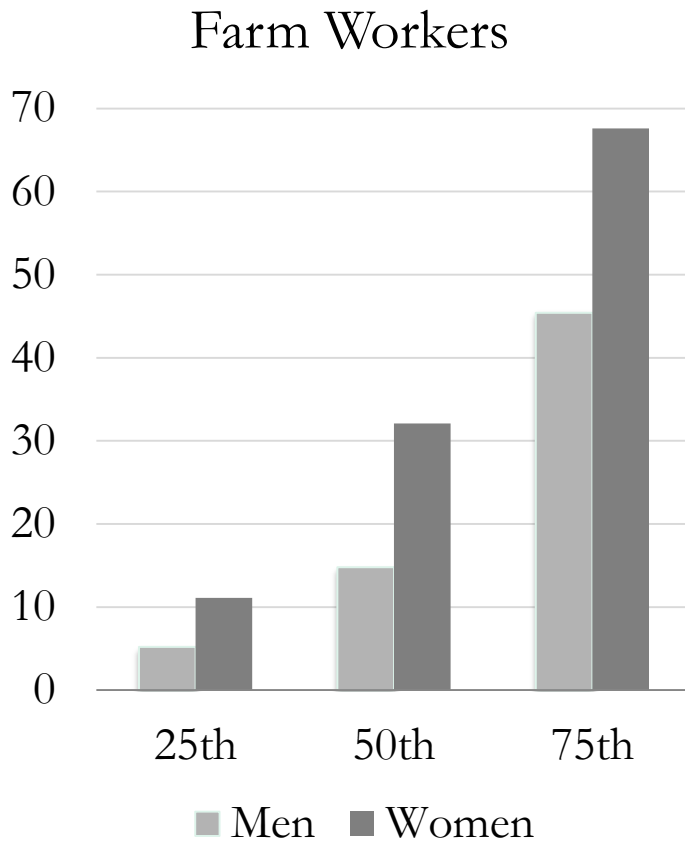
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# by resource occupations for back strains....

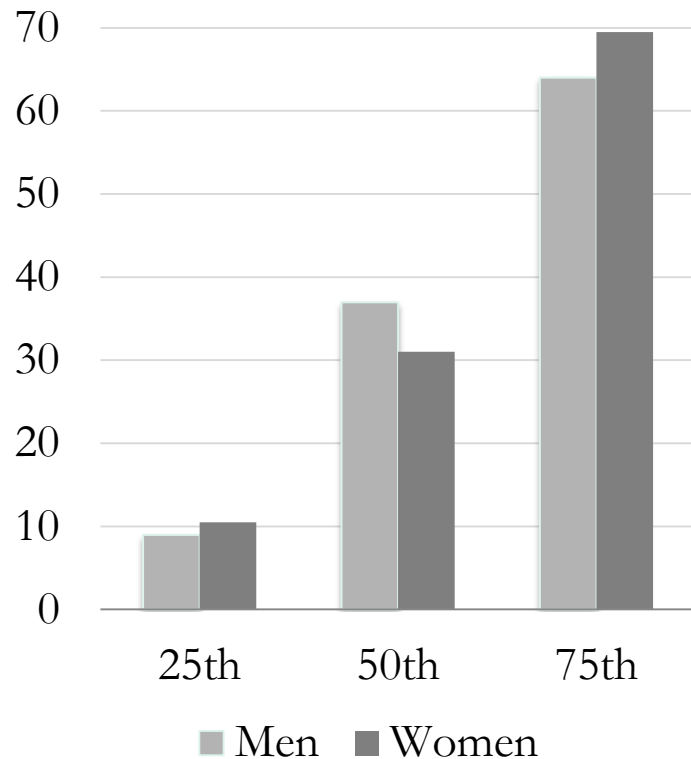
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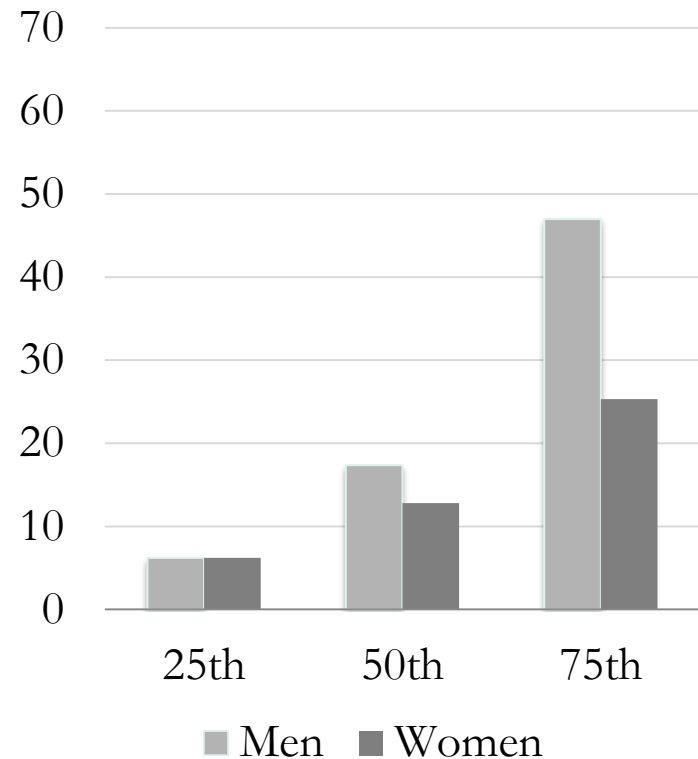
# by resource occupations for back strains....

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### Harvesting Labourers

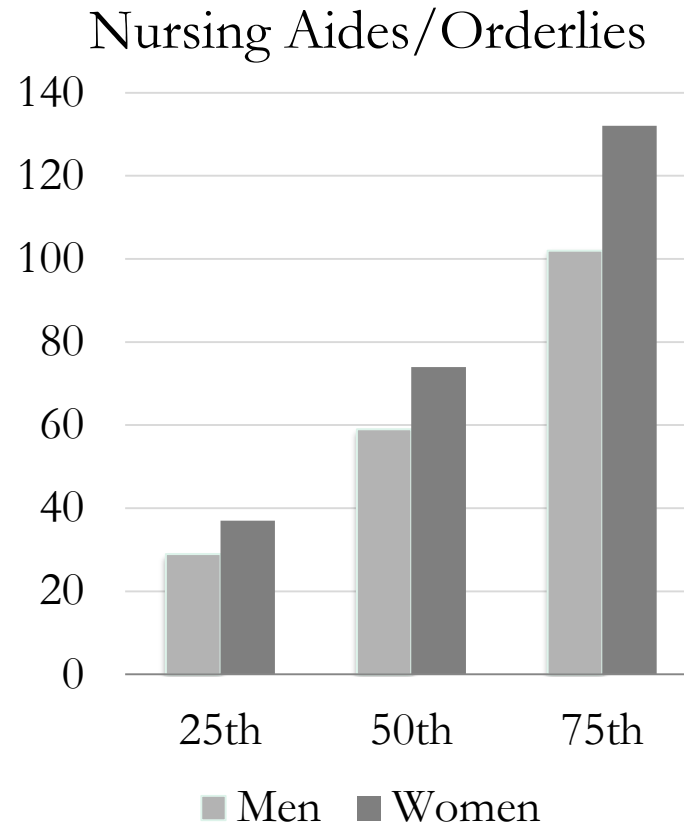


### Logging Labourers



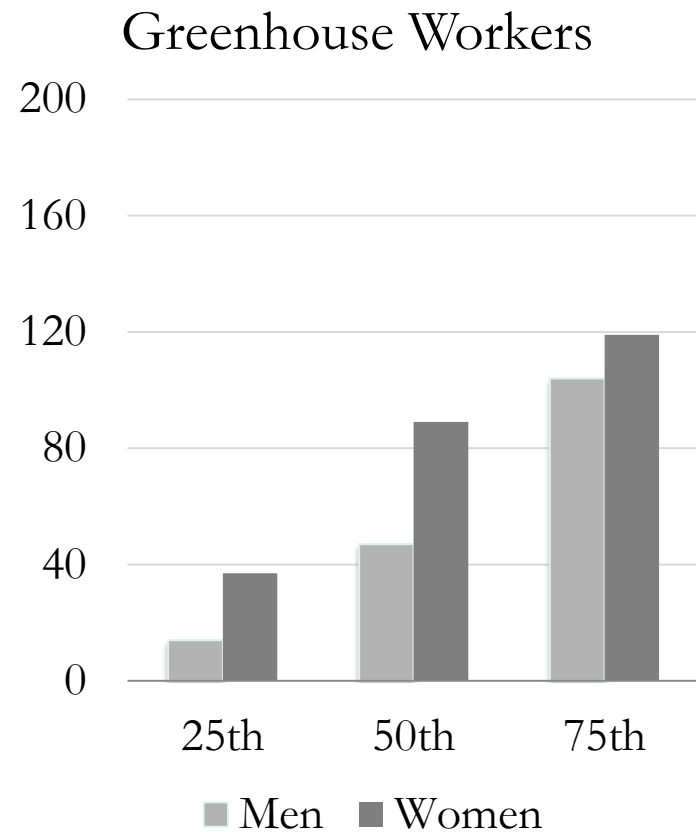
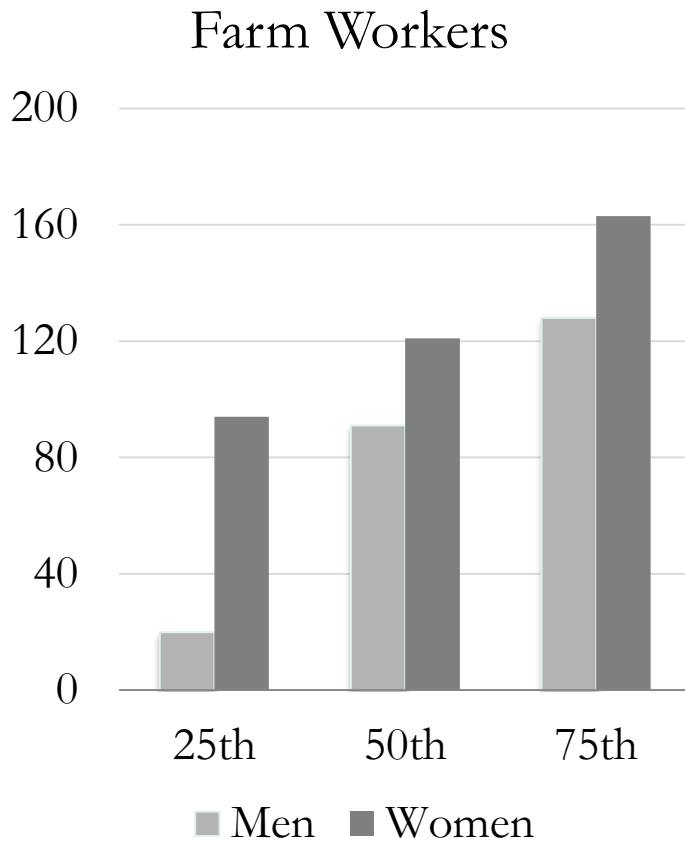
# by health care occupations for arm fractures...

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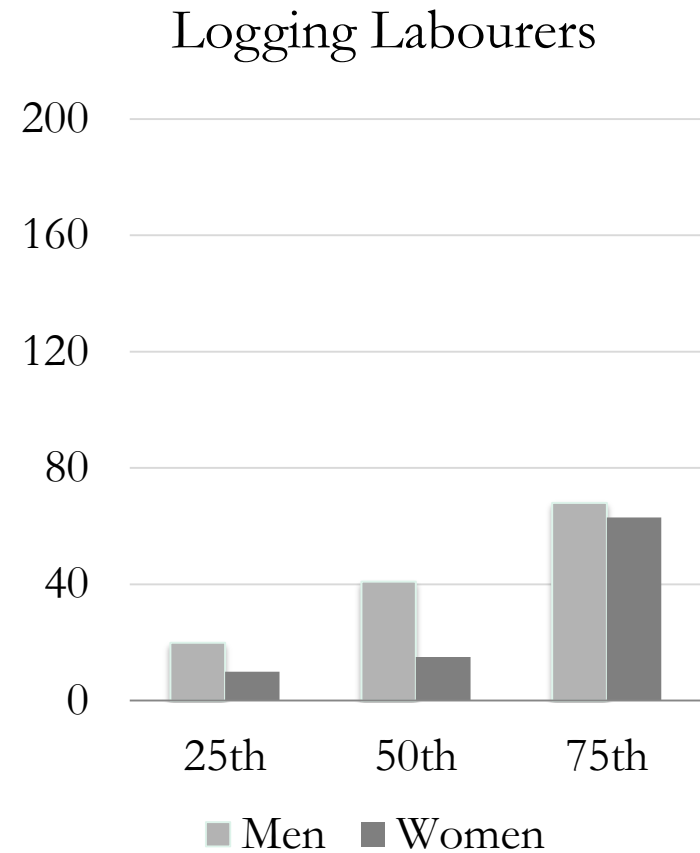
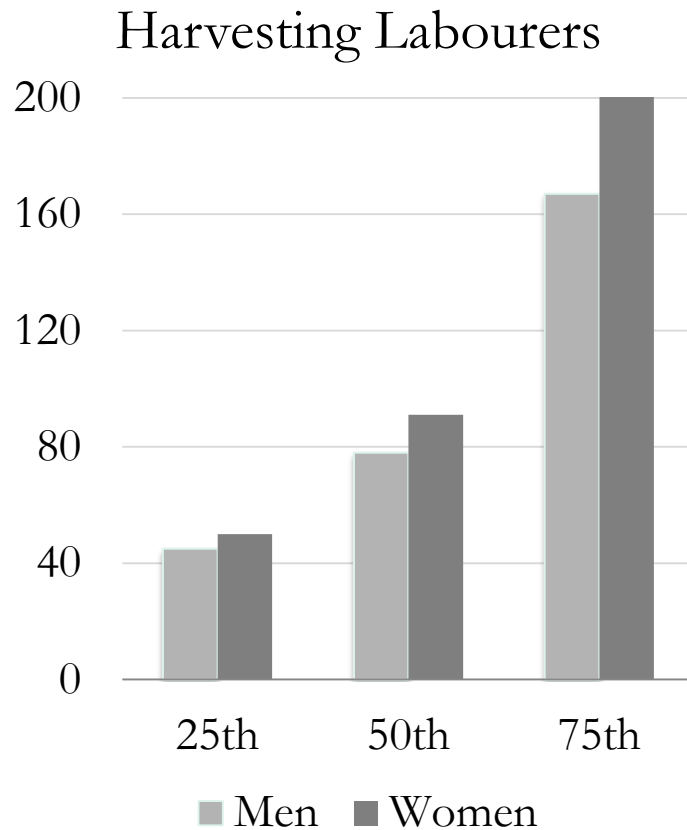
# by resource occupations for arm fractures....

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# by resource occupations for arm fractures....

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## a persistent difference....

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- severity of injuries....?
- different health care, rehabilitation experiences...?
- different return-to-work opportunities...?
- work/home experiences....?
- other thoughts for further investigation...

# Population Data BC.....more data

Current data holdings



## Health care & health services

Medical Services Plan  
(BC Ministry of Health)

PharmaCare  
(BC Ministry of Health)

Hospital Separations  
(BC Ministry of Health)

Home & Community Care  
(BC Ministry of Health)

Mental Health  
(BC Ministry of Health)

Registry Data  
(BC Cancer Agency)



## Population & demographic

Consolidation File (MSP  
Registration & Premium Billing)  
(BC Ministry of Health)

Births  
(BC Vital Statistics Agency)

Stillbirths  
(BC Vital Statistics Agency)

Marriages  
(BC Vital Statistics Agency)

Deaths  
(BC Vital Statistics Agency)

Cadastral Data  
(Integrated Cadastral Information  
Society)



## Occupational & environmental

WorkSafeBC Claim Files  
(WorkSafeBC)

WorkSafeBC Firm Level Data  
(WorkSafeBC)



## Early childhood & education

Early Development Instrument  
(HELP)

Middle Years Development  
Instrument  
(HELP)

Future

Perinatal Services  
Canadian Community Health  
Survey  
Cardiac Services BC  
BC Ambulance  
College of Physicians & Surgeons BC

Citizenship & Immigration  
Canada

WorkSafeBC Exposure Data  
BC Assessment

Children in Care  
Child Protection  
Childcare Licensing  
BC K-12 Student  
Standard Testing  
School & District

# Partnership for Work, Health and Safety

[www.pwhs.ubc.ca](http://www.pwhs.ubc.ca)



a place of mind



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