

2016 CSTE Roundtable: Beyond the Indicators: Florida's Experience with Surveillance of Work-Place Amputations

Years = 2009—2012

Amputations: n = 2806 (identified by WCIO nature of injury = 02 or ICD-9-CM 885, 886, 887 895, 896, 897)

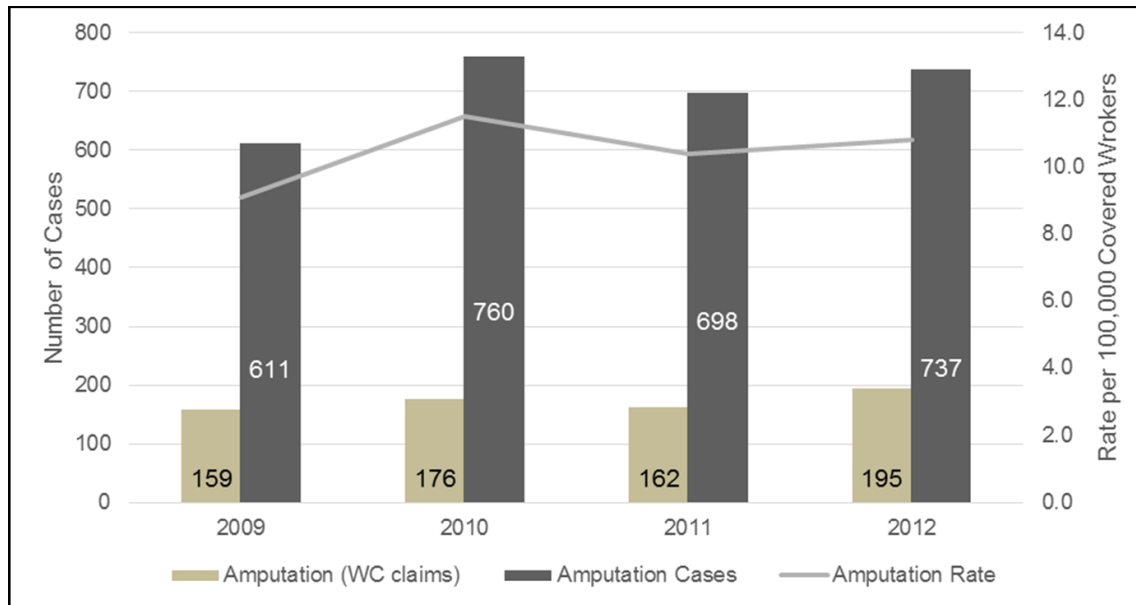
Sex: Male (n = 2383; 84.9%), Female (n = 357; 12.7%), Unknown (n = 67; 2.4%)

Top 5 Causes of Injury listed on FROI

- Machine or Machinery (n = 421; 15.1%)
- Powered Hand Tool, Appliance (n = 413; 14.77%)
- Caught In, Under or Between (n = 377; 13.5%)
- Cut, Puncture, Scrape (n = 316; 11.3%)
- Object Handled (n = 194; 6.9%)

Top 5 Nature of Injury listed on FROI

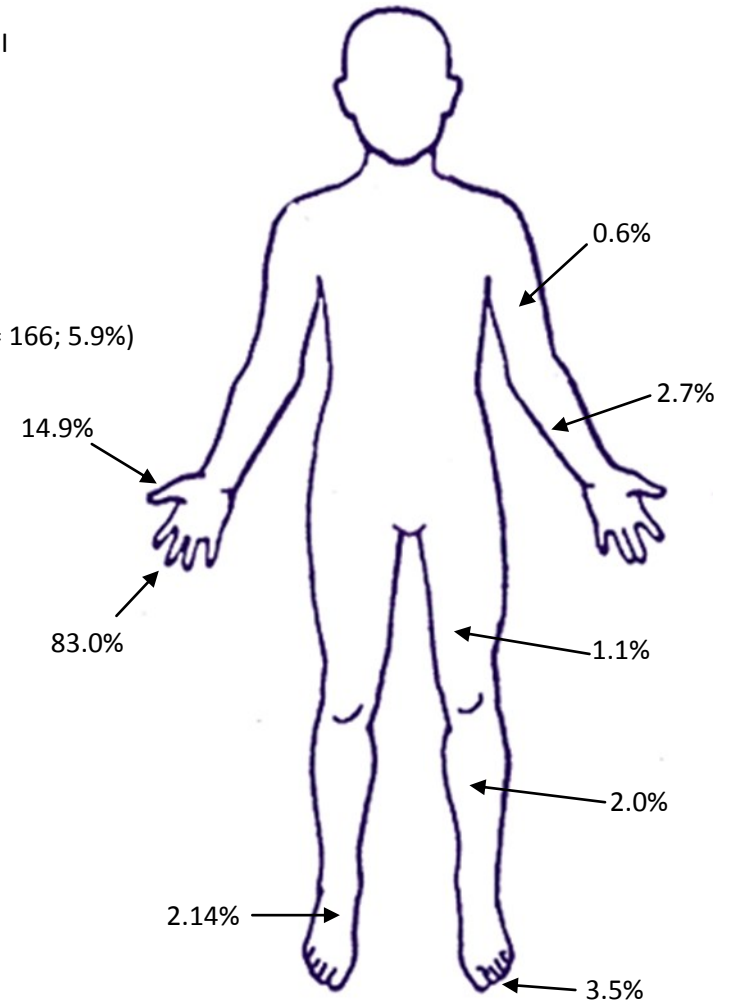
- Laceration (n = 1054; 37.7%)
- Amputation (n = 692; 24.7%)
- Severance (n = 234; 8.4%)
- Crushing (n = 192; 6.9%)
- All other specific injuries (n = 166; 5.9%)



OHI #5 = Amputations identified on FROI only (WCIO nature of injury = 02)

Rate calculated same as OHI #5 using amputations identified by nature of injury and ICD-9-CM codes

Laurel Harduar Morano (UNC) and Juanita Chalmers (FL DOH)



0.8% Arm unspecified amputation

0.3% Arm bilateral amputation

0.3% Leg unspecified amputation

0.5% Leg bilateral amputation

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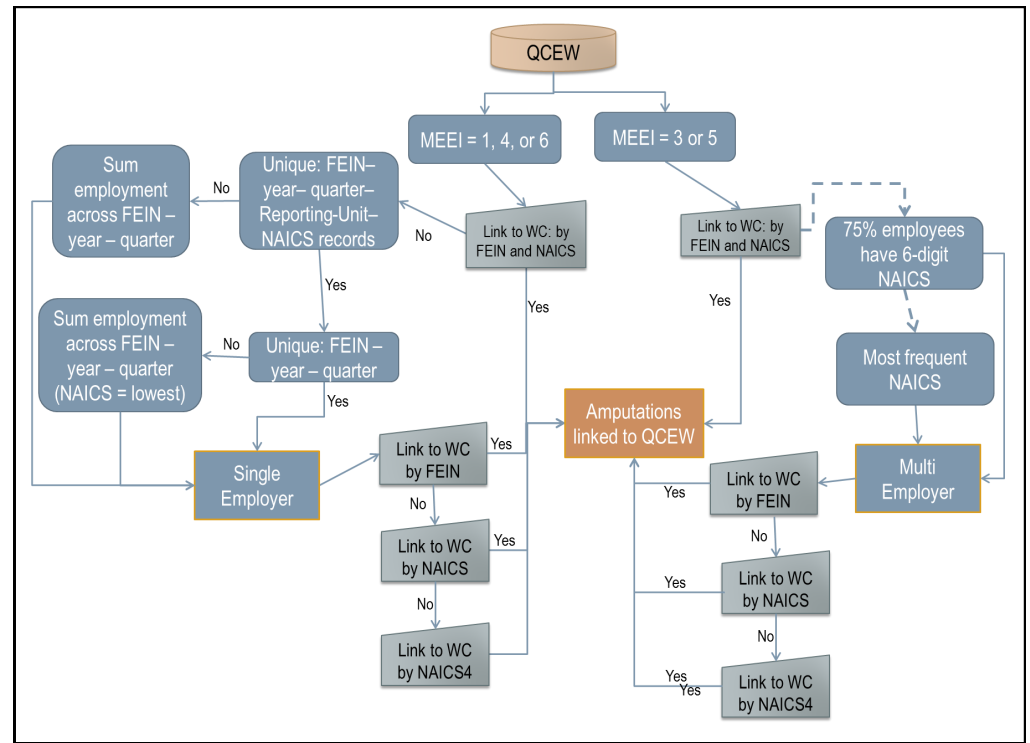
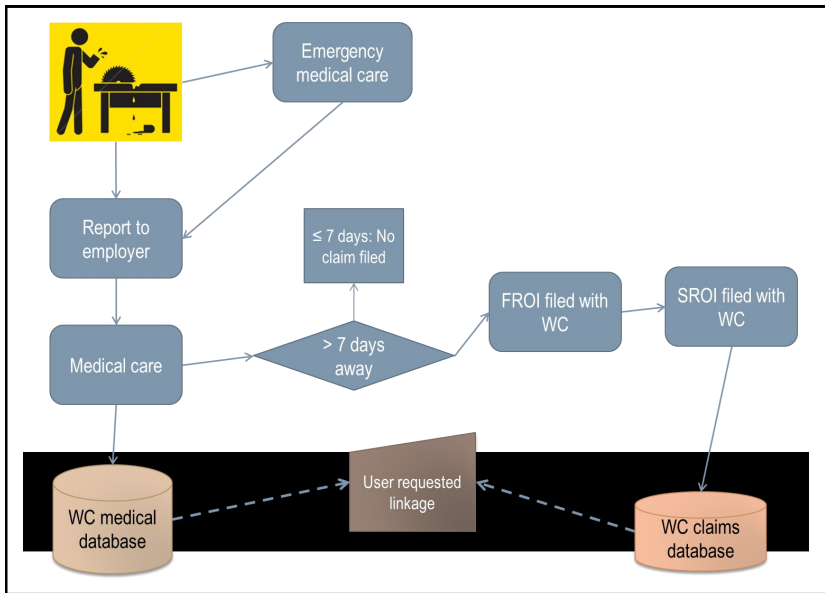
Data Sources:

WC data = Florida Division of Worker's Compensation

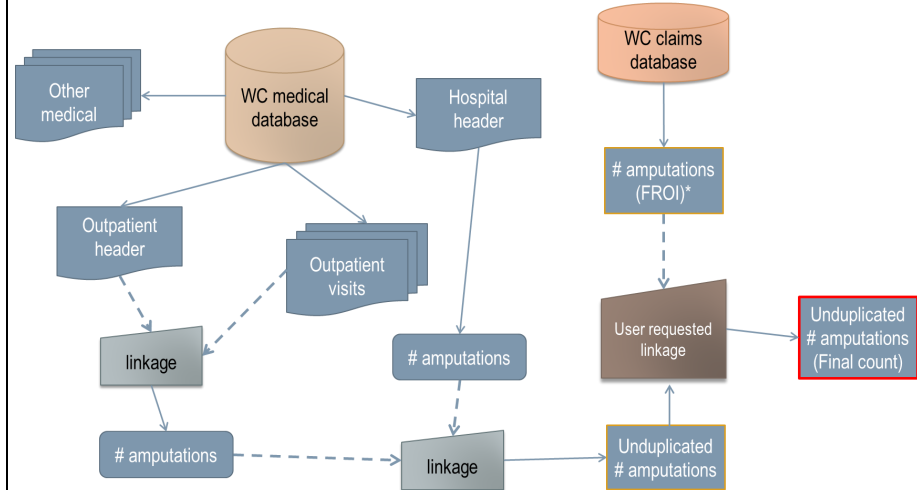
QCEW = Florida Office of Economic Opportunity

LPC data = NIOSH Center for Workers' Compensation Studies

NAICS codes and crosswalk: <http://www.census.gov/eos/www/naics/>



Process: Identify amputations

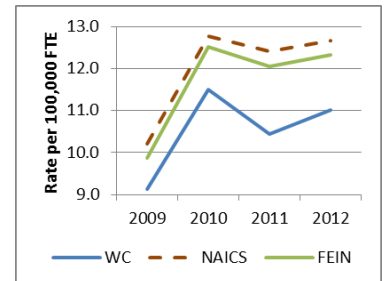


Top 6 industries for amputations in Florida (2009-2012): using Federal EIN

NAICS4	Description	Case count	Rate/100,000 FTE	Rank Freq	Rank Incidence	PI
4471	Gasoline Stations	48	70.4	60	56	58
2371	Utility System Construction	48	63.2	60	54	57
2381	Foundation, Structure, and Building Exterior Contractors	74	50.4	64	49	56.5
3219	Other Wood Product manufacturing	31	215.3	47	66	56.5
	Household and Institutional Manufacturing	33	156.2	50	63	56.5
4451	Grocery Stores	82	47.2	65	48	56.5

Top 6 industries for amputations in Florida (2009-2012): using 4-digit NAICS

NAICS4	Description	Case count	Rate/100,000 FTE	Rank Freq	Rank Incidence	PI
3219	Other Wood Product manufacturing	32	168.3	51	65	58
3261	Plastics Product Manufacturing	36	89.7	54	58	56
3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing	32	118.5	51	60	55.5
2371	Utility System Construction	53	64.9	59	51	55
2381	Foundation, Structure, and Building Exterior Contractors	95	46.2	64	44	54
3323	Architectural and Structural Metals Manufacturing	38	72.7	55	53	54



- Anderson NJ et. al., J Occup Med Toxicol. 2014 Nov 9;9 (1):37.
- Anderson NJ et al, AJIM 53:693-705 (2010)
- Largo et al, JOEM March 2013 55(3)