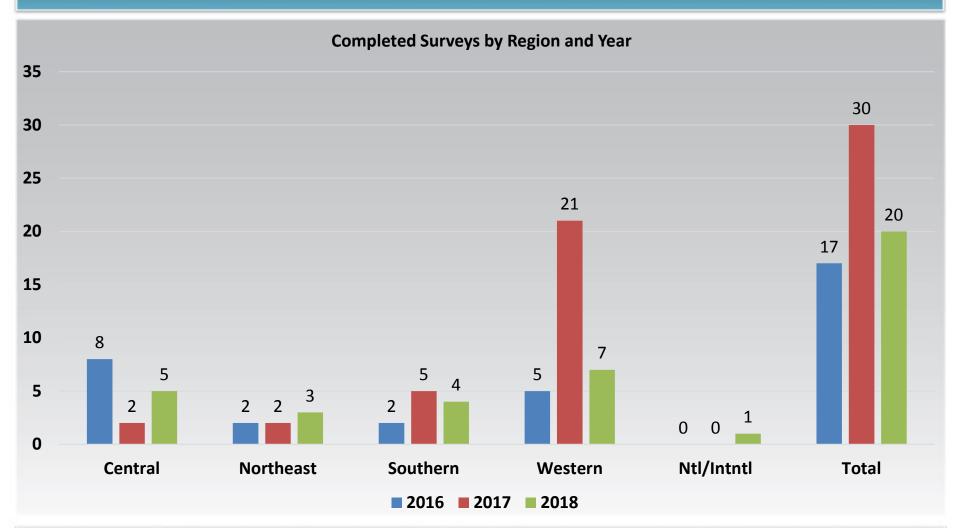
## PMT-1 Safety Awareness

Professional Development Committee Report





### Number of Participants Down in 2018 vs 2017



Item PMT-1 Safety Awareness

2



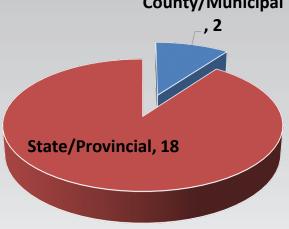


#### 2017 Survey Had Greater County/Municipal Participation

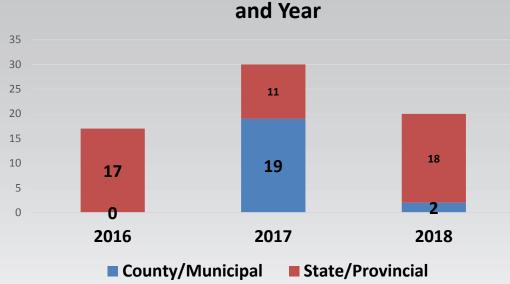
Did 2018 state responses include county information reported independently in 2017?

#### **2018 Completed Surveys by Organization type**

**County/Municipal** 

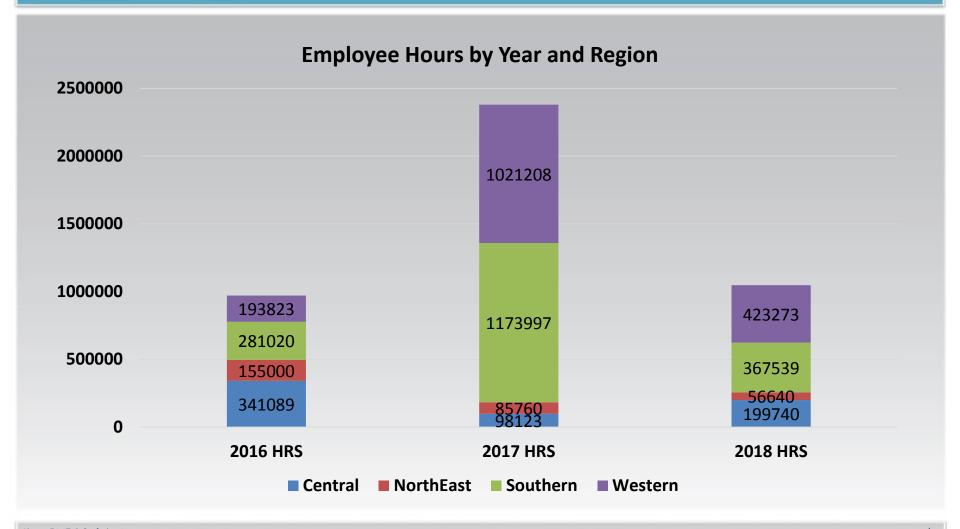


### **Completed Surveys by Organization Type**





# 2017 Survey Covered More Employee Hours







### Making Completion Easier

Instructions sent
out this year
on second solicitation
email

Will send instructions in future years with first solicitation for responses







### How Can We Garner Greater Participation?

- Ask safety liaisons to contact their member states directly?
- Put a members-only link on safety page where counties and private companies can access the survey?
- Include a reminder in the NCWM Newsletter?







### 2018 Injury Results by Region

- 2 Days Away (Lost Time) Injuries
- 1 Restricted Time Injury
- 4 Injuries with both Lost Time and Work Restrictions

Region	Employees	Hours	<b>Lost Time Only</b>	<b>Restricted Time Only</b>	Both Lost & Restricted	Total
Central	112	199740	1	0	2	3
NorthEast	32	56640	0	0	0	0
Southern	188	367539	1	0	0	1
Western	227	423273	0	1	2	3
Ntl/Intntl	6	11280	0	0	0	0
2018 Total	565	1058472	2	1	4	7



# Allows organizations in the same field to compare safety - regardless of size

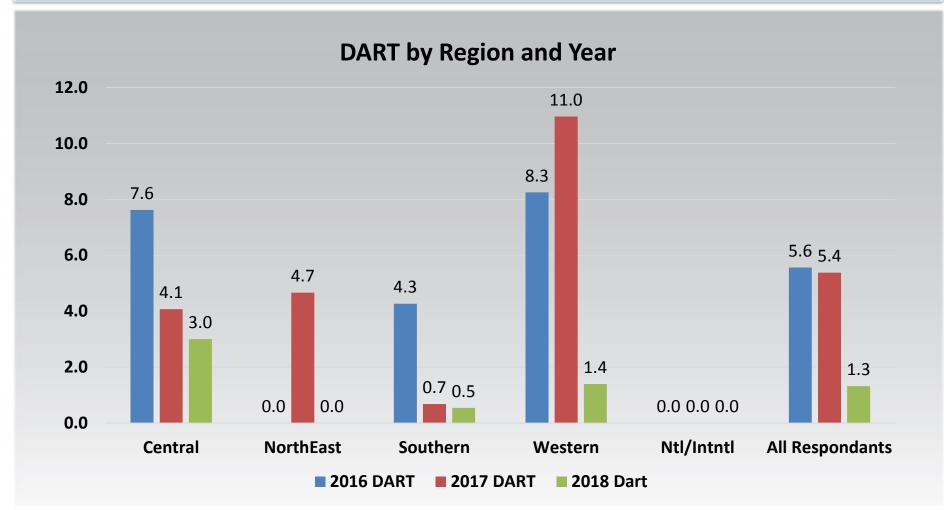
OSHA formula equates to company with 100 people working 40 hours/week for 50 weeks/year

No. of Incidents X 200,000 DART = -----

No. of Employee labor hours worked



# Reliable Participation/Time = More Meaningful Data



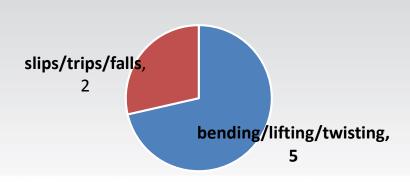




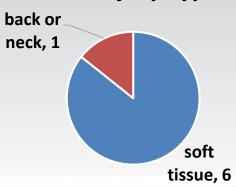
## 2018 Injury Causes and Types

- All injuries occurred in field
- Top cause was bending/lifting/twisting followed by slips/trips/falls (same as 2016 and 2017 surveys)
- 1 respondent also reported lost time from bending/lifting/twisting incident which occurred previous year





#### **2018 Injury Types**





## Descriptions and Impact of Incidents

## 7 incidents plus 1 near-miss and 1 carryover Ergonomics can cause life-changing injuries

Activity description	Injury Description	Days Lost	Days restricted
pushing/pulling	strain	1	0
lifting 50# weight from vehicle	pulled arm and shoulder muscle	0	21-60
lifting manhole covers from USTs	joint injury requiring surgery ended in permanent disability	60+	60+
lifting 30 pound box into truck	snapped tendon/torn muscle	21-60	0
Lifting a J bucket out of truck	Sacroiliac Joint Disfunction	2	5
stepped off truck onto uneven surface	sprain	3	0
tripped over a cable	strain or sprain	60+	6-10
Injury filed prior to 2017 but time continued to be lost to this claim		60+	1
backed into another vehicle	vehicle damage but no people damage	<1	0





## Summary of 3 Years and 4.3M Employee Hours

#### Near-Misses = Leading Indicators All Near-Misses 2016 - 2018

7 1100 11110300 2010				
Cause	No. of Near-Misses			
vehicle accident	12			
chemical exposure	4			
bending/lifting/twisting	2			
slips/trips/falls	1			
weather	1			
other (cutting/puncturing)	1			
total	21			

- Employees report near-misses if they think injuries may show up down the road or if property damage involved
- Employees less likely to report common events like bending/twisting/lifting or slips/trips/falls unless immediately injured

**Injuries = Lagging Indicators** 

All Reported Injuries 2016 - 2018

- Same top 4 causes; just in different order
- Vehicle accidents takes 2<sup>nd</sup> place if you count near misses
- Once an injury occurs, 20%-30% chance of at least 60 days lost

Cause	No. of Injuries	60+ Days lost	60+ Days Restricted
bending/lifting/twisting	22	6	5
slips/trips/falls	10	2	1
vehicle accident	4	1	1
chemical exposure	1	0	0
other	1	0	0
total	38	9	7



What can NCWM and its members do to mitigate top hazards in the next year?

- Bending/Lifting/Twisting
- Vehicle Accidents
- Slips/Trips/Falls
- Chemical Exposure





# Coming Soon From NCWM Safety Task Group

#### NCWM Safety Program Toolbox

Keeping employees safe is a challenge faced by private companies and government agencies alike. Each organization is ultimately responsible for creating and maintaining its own safety program. This toolkit is an attempt to provide links to resources which will be useful to Weights & Measures organizations whether they are just beginning to establish their safety programs, or they have already spent years refining them.

The safety resources included in this toolkit represent just a small fraction of the vast amount of safety information available on the World Wide Web. Most of the information in the kit is provided by government resources such as OSHA, NIOSH, CDC, etc. In a few cases, toolkit links lead to safety blogs or information provided by individuals or companies who also sell safety products. These links are included for the information they contain, and in no way are an endorsement for or against the safety products themselves. Toolbox users are encouraged to exercise the same caution they would use whenever evaluating products available for sale on the internet.

To us the toolbox: Ctrl+ Click on any heading below to find helpful links on desired topics

(If you are brand-new to safety, we suggest you start with the first section on General Information.)

General Information on Creating and Managing a Safety Program

Making the Economic Case for Safety

Identifying Hazards

**Examples of Typical Hazards** 

ERTK Hazards/Hazard Communication Requirements

Addressing Hazards Training

Coordination and Communication on Multi-Employer Work Sites Program Evaluation

Suggestions for improvement? Please contact Safety Liaison Julie Quinn (julie.quinn@state.mn.us ) to

suggest new links or to report problems with existing links.

#### General Information on Creating and Managing a Safety Program

- o OSHA Safety and Health Program Management Guidelines
- o OSHA Small Business Handbook
- o OSHA Help For Employers
- o NCWM Newsletter Safety Articles

#### Making the Economic Case for Safety

- o OSHA's \$afety Pays Cost Estimator
- o CDC's WISQARS™ (Web-based Injury Statistics Query and Reporting System)
- How Your Experience Modification Rate (EMR) is Calculated and How it Affects Your Bottom Line (YouTube Video)
- o 2016 NCWM Annual Safety Survey
- o 2017 NCWM Safety Survey







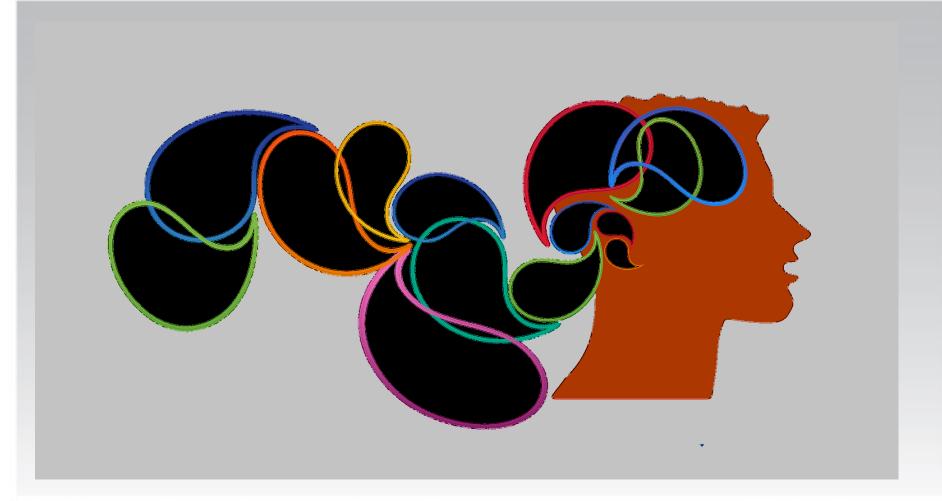
## Thanks to Safety Task Group

Safety Task Group		
Office	Name	Affiliation
Chair	Julie Quinn	Minnesota
Public Sector Member	Jason Flint	New Jersey
Public Sector Member	Georgia Harris/Doug Olson	NIST, Office of Weights and Measures
Public Sector Member	Elizabeth Koncki	Maryland
Public Sector Member	Matt Maiten	Santa Barbara County, California
Public Sector Member	Brenda Sharkey	South Dakota
Public Sector Member	Mike Sikula	New York
Priv ate Sector Member	Tisha Arriaga/Jeff Griffith	Marathon Petroleum, LLC
Priv ate Sector Member	Bill Callaway	Crompco
Priv ate Sector Member	Remy Cano	Northwest Tank and Environmental Services, Inc.
Priv ate Sector Member	Brad Fryburger	Rinstrum, Inc.
Private Sector Member	Robert LaGasse	Mulch and Soil Council
Private Sector Member	John Lawn	Rinstrum, Inc.
Priv ate Sector Member	Richard Shipman	Rice Lake Weighing Systems, Inc.





## Thoughts and Comments?







## National Conference on Weights and Measures "That Equity May Prevail"

## Thank You!