

# **Berkeley Lab Accident Statistics Through February 29, 2012**

**These slides are updated on a monthly basis as soon as data are reasonably final for the preceding month. Hours worked are estimated monthly and updated with final and actual values quarterly.**

**Every effort is made to present accurate and final data. However, changes may occur in subsequent months as additional information becomes available and as developments change the recordability of some cases.**

**Refer questions about these charts to [rwwfisher@lbl.gov](mailto:rwwfisher@lbl.gov)**

# Injury/Illness Cases – February 2012

## Ergonomic (keyboard/mouse)

- Repetitive strain of fingers, wrists and elbow
  - The Research Associate reported symptoms of repetitive strain of the fingers, wrists and elbow associated with intensive mouse use.
- Repetitive strain of forearm
  - The Computer Systems Engineer displayed symptoms of a repetitive strain of the forearm associated with intensive mouse use.

# Injury/Illness Cases – February 2012

## Slip / Trip / Fall

- Abrasion on knee
  - The contract EH&S Professional slipped on a wet (due to rain) diamond plate utility vault cover in the N parking lot driveway (by ALS shuttle bus stop).

# Injury/Illness Cases – February 2012

## Trauma

- Foreign object in eye
  - While depositing debris in a waste bin an airborne foreign particle lodged in the Laborer's eye.
- Strain of foot
  - The Custodian experienced a foot strain while ascending some steps.
- Fracture of arm
  - The Student Assistant (and bicycle) flipped due to braking with front brake only while descending Chu Road approaching the shuttle bus circle at Building 65.

# Injury/Illness Cases – February 2012

## Trauma

- Eye irritation
  - The Postdoctoral Fellow reported eye irritation after aligning some beamline equipment with a Class 2 (< 0.95 milliwatts) Helium Neon laser for about ten minutes.
- Strained ankle
  - The Compensation Consultant slipped on some loose gravel that had washed from the embankment onto the new parking area along Lawrence Road behind Building 15. This occurred after dark.

# Injury/Illness Cases – February 2012

## Trauma

- Multiple abrasions (chin, knee and wrist)
  - The Administrative Specialist was making a wide turn on a bicycle toward the bicycle parking station outside Building 15 when the rear wheel skidded out on a wet (due to rain) diamond plate utility vault cover. The employee was thrown to the pavement and sustained multiple abrasions.
- Pain in hand and fingers
  - The Plumber / Fitter reported to Health Services with discomfort in the hand, fingers and forearm associated with a wide variety of activities in which the hands are used.

# Injury/Illness Cases – February 2012

## Chemical Contact

- Possible corrosive contact with skin
  - The Graduate Student Research Assistant took first aid action after sensing a possible skin contact by a gloved finger on the right temple while preparing sodium hydroxide solutions. The employee used the safety eyewash station, was examined by Health Services, and released with no evidence of a chemical burn. This scenario exemplified all of the proper steps and actions to be taken in the event of a suspected or confirmed exposure to a potentially hazardous substance.

# Injury/Illness Cases – February 2012

## Chemical Contact

- Possible chemical contact through glove
  - While assisting the safety technician with peroxide testing and labeling of chemicals in the lab the Administrator experienced some tingling of the finger under a pair of nitrile gloves. The employee immediately washed the affected area thoroughly. No residual liquids were noted on the containers involved or on the lab bench. Follow up with Health Services did not offer conclusive evidence of chemical contact.

# Injury/Illness Cases – February 2012

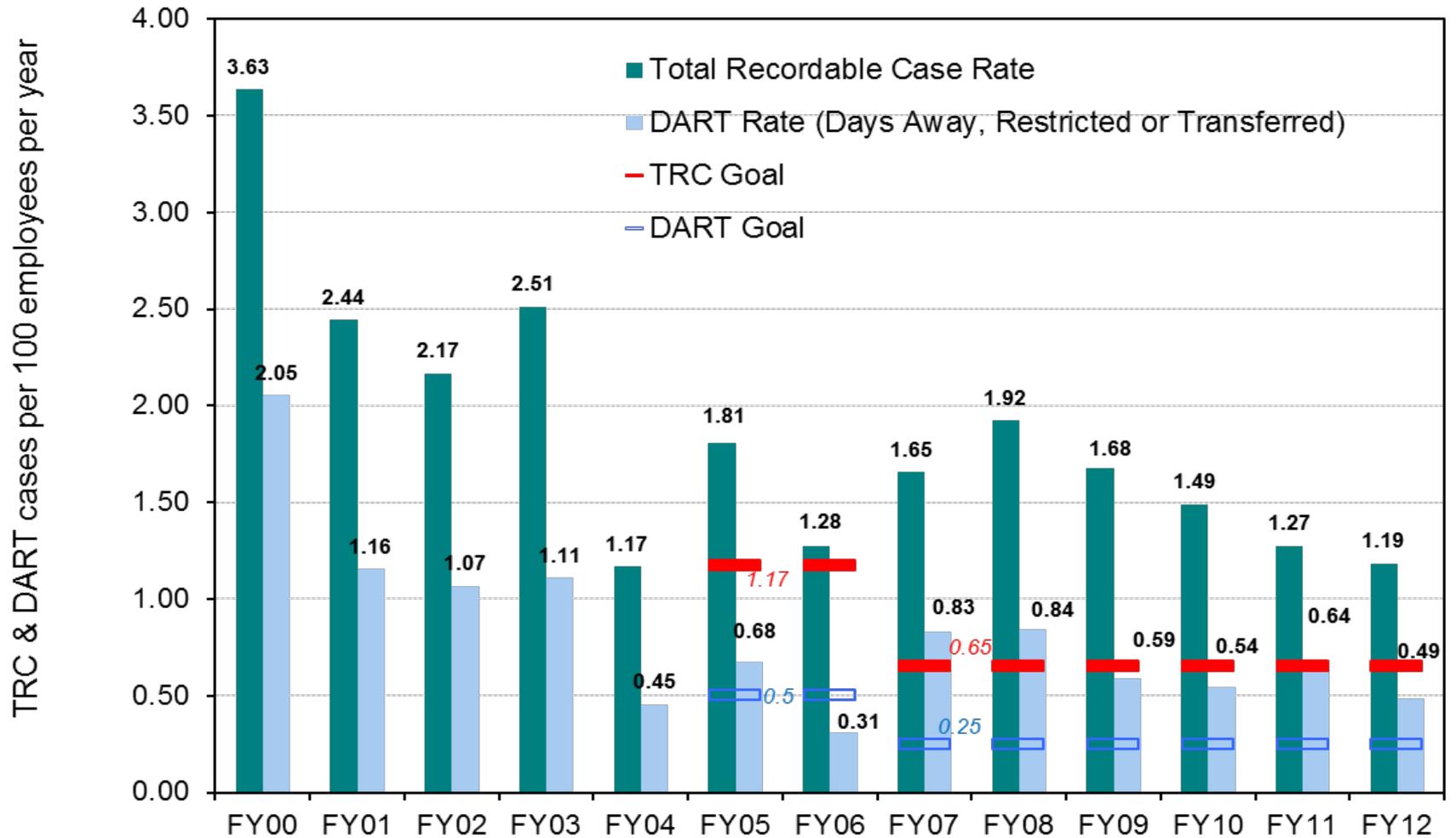
## Laceration

- Laceration on finger
  - The Graduate Student Research Assistant sustained a laceration of the thumb from the machined edge of a clamp used to join the stainless steel flanges of a vacuum system.
- Laceration on palm of hand
  - While washing a 2 liter beaker in the lab sink the beaker slipped from the Student Assistant's hands, struck the sink faucet and broke. The broken glass lacerated the palm of the hand at the base of the index finger.

# Berkeley Lab Site-Wide TRC & DART Rates

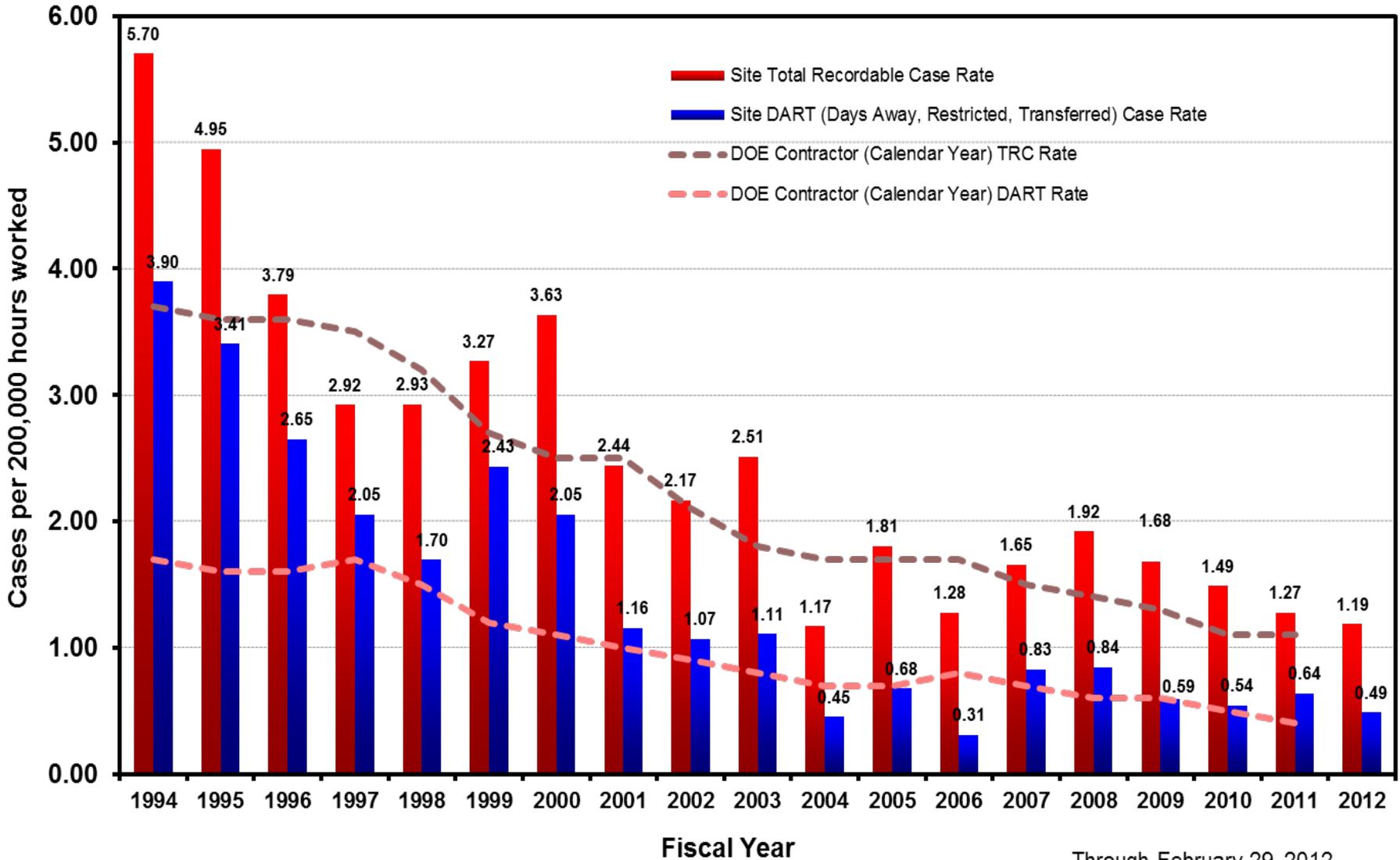
(Includes all Construction and Service Contractors)

## Through February 29, 2012



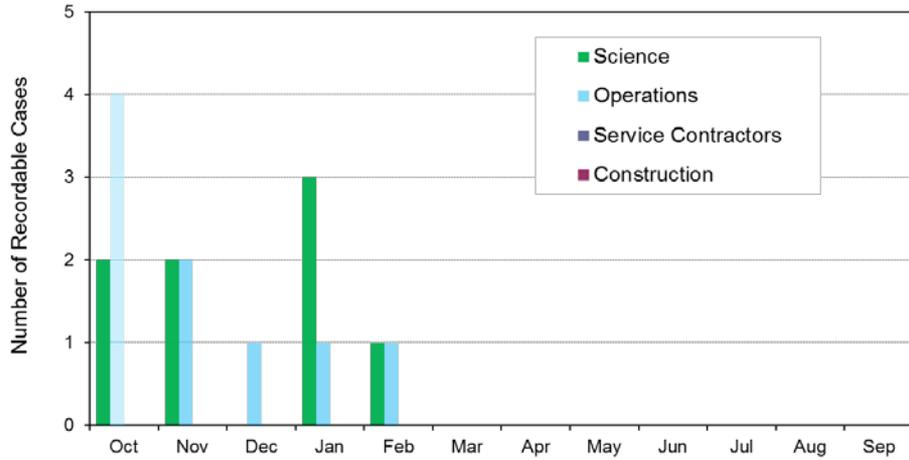
# LBNL vs. DOE Contractor Rates

## Berkeley Lab Site Accident Rates

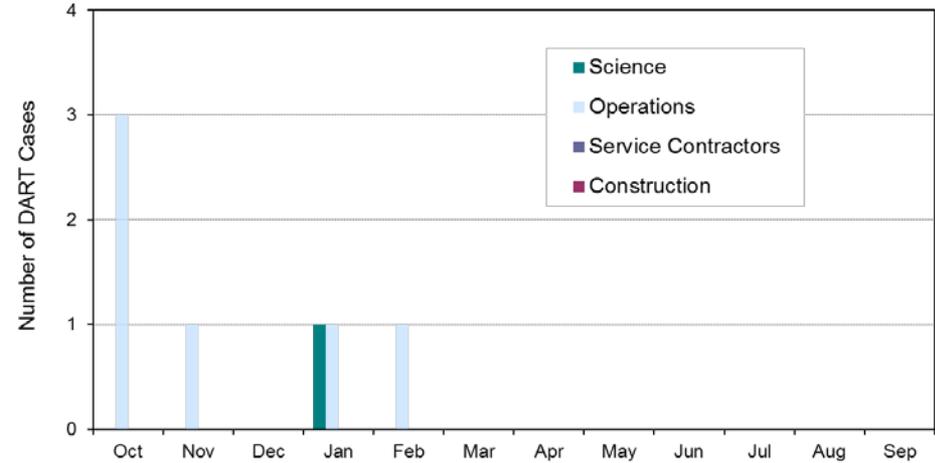


Through February 29, 2012

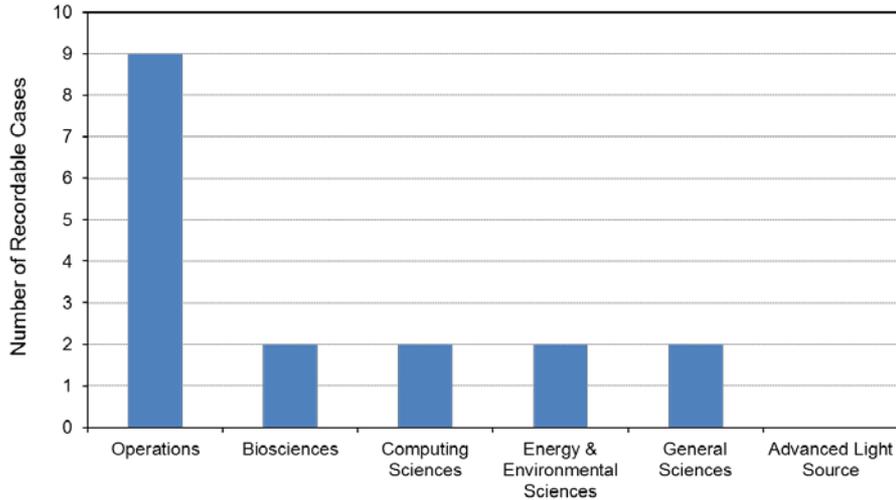
Recordable Cases by LBNL Major Organization  
FY 2012 To Date February 29, 2012



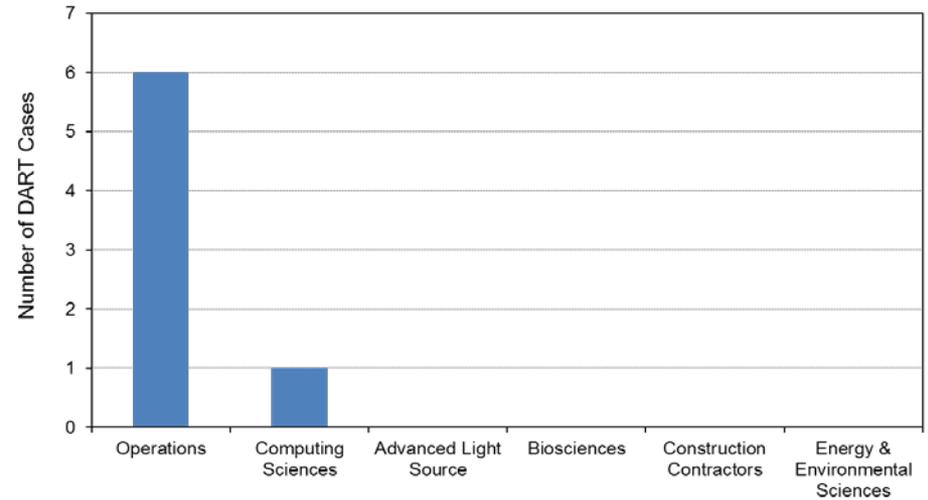
DART Cases by LBNL Major Organization  
FY 2012 To Date February 29, 2012



Recordable Cases by Directorate  
FY 2012 To Date February 29, 2012

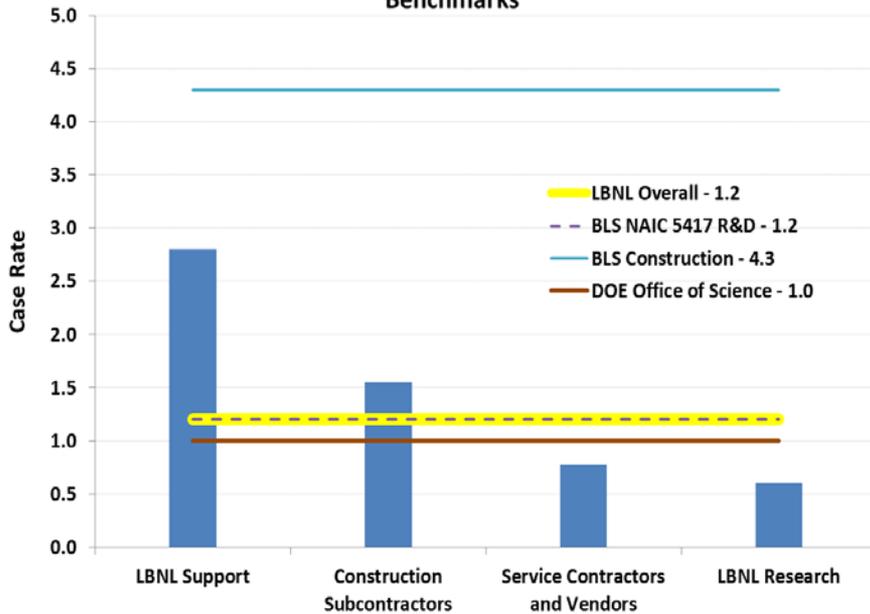


DART Cases by Directorate  
FY 2012 To Date February 29, 2012

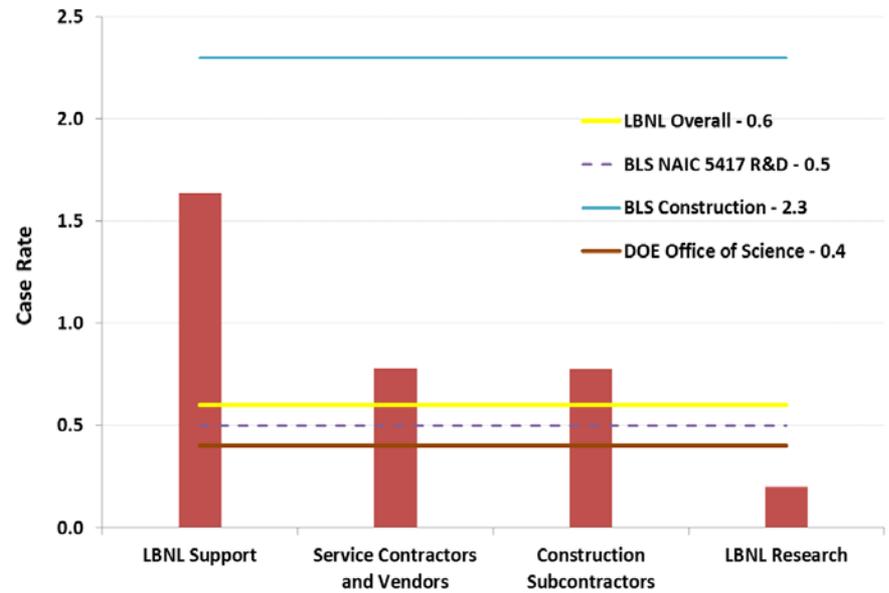


# FY 2011 Summary Reference

FY 2011 Recordable Case Rate by DOE Reporting Organization with Benchmarks

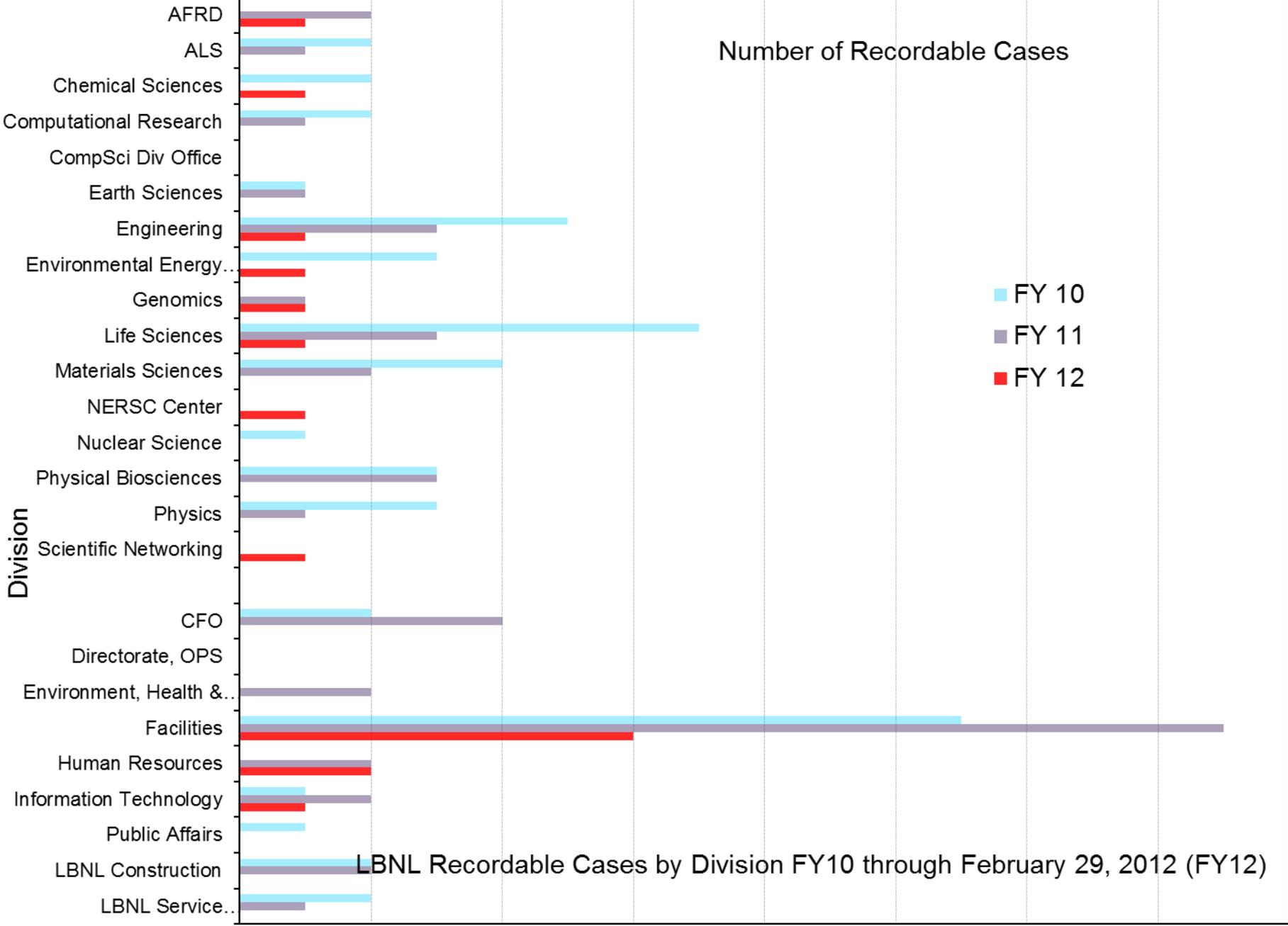


FY 2011 DART Case Rate by DOE Reporting Organization with Benchmarks



0 2 4 6 8 10 12 14 16

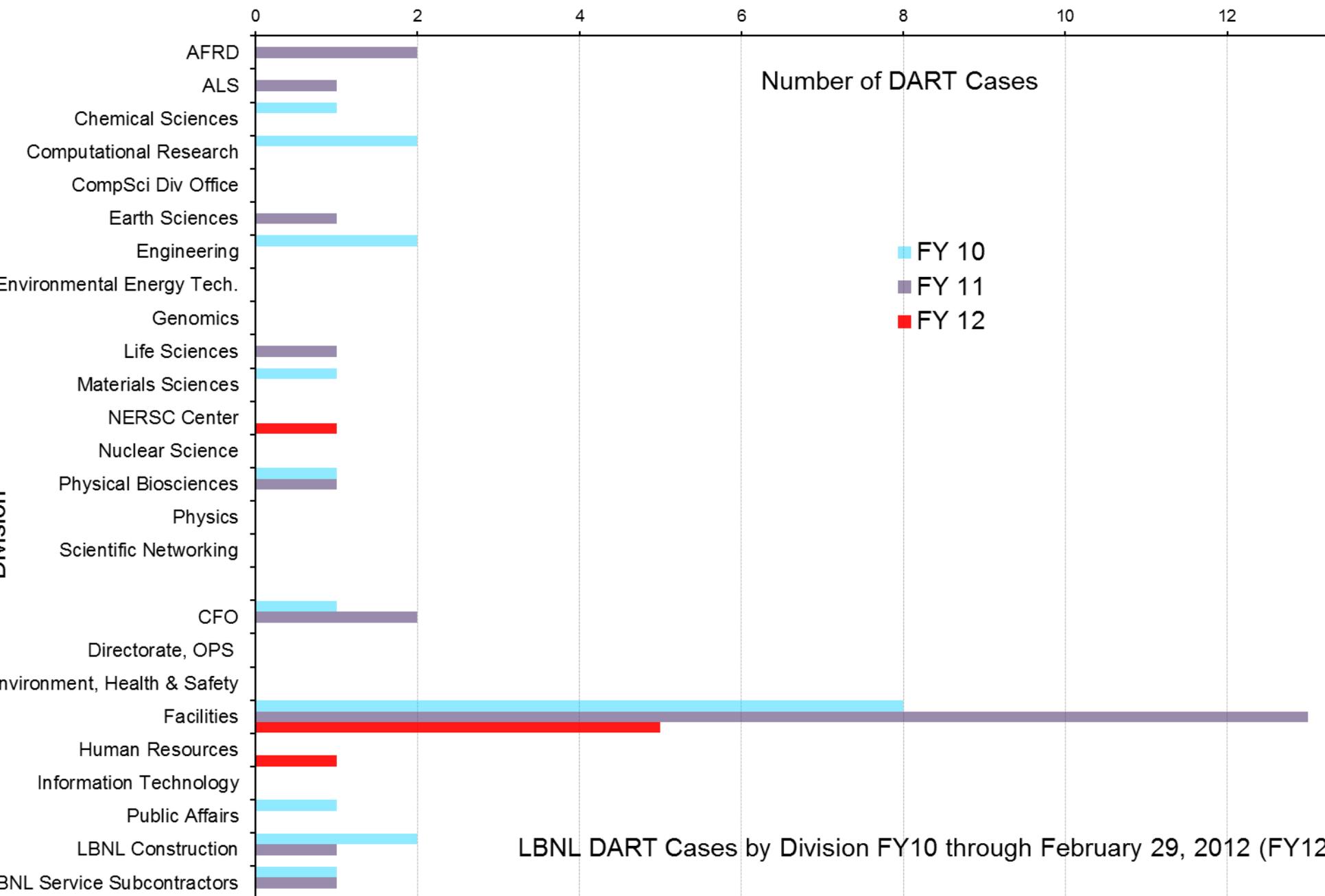
### Number of Recordable Cases



FY 10  
FY 11  
FY 12

Division

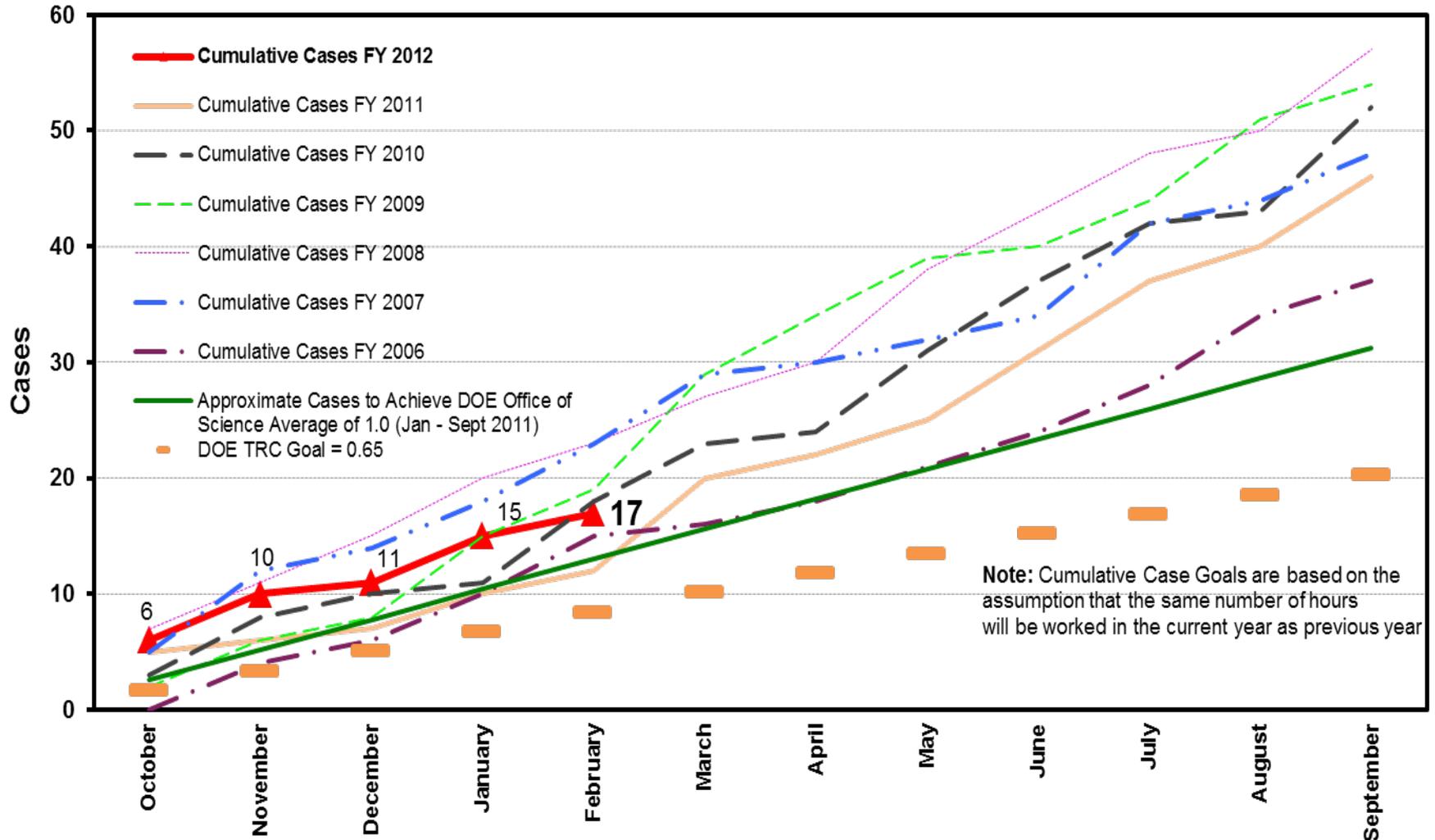
LBNL Recordable Cases by Division FY10 through February 29, 2012 (FY12)



LBNL DART Cases by Division FY10 through February 29, 2012 (FY12)

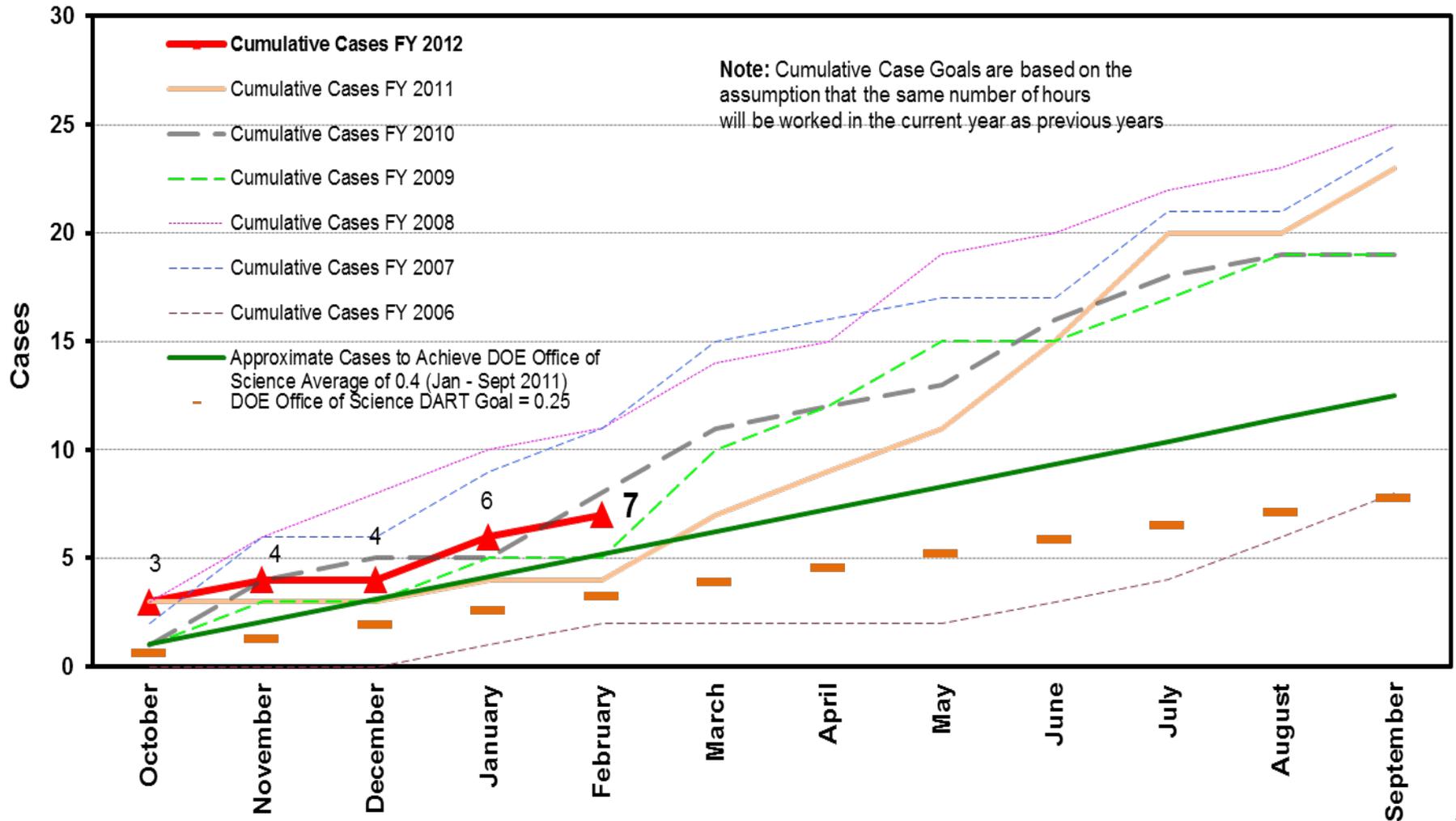
# Performance vs. DOE Goals - TRC

Berkeley Lab and Contractors  
 Cumulative Total Recordable Cases  
 By Fiscal Year



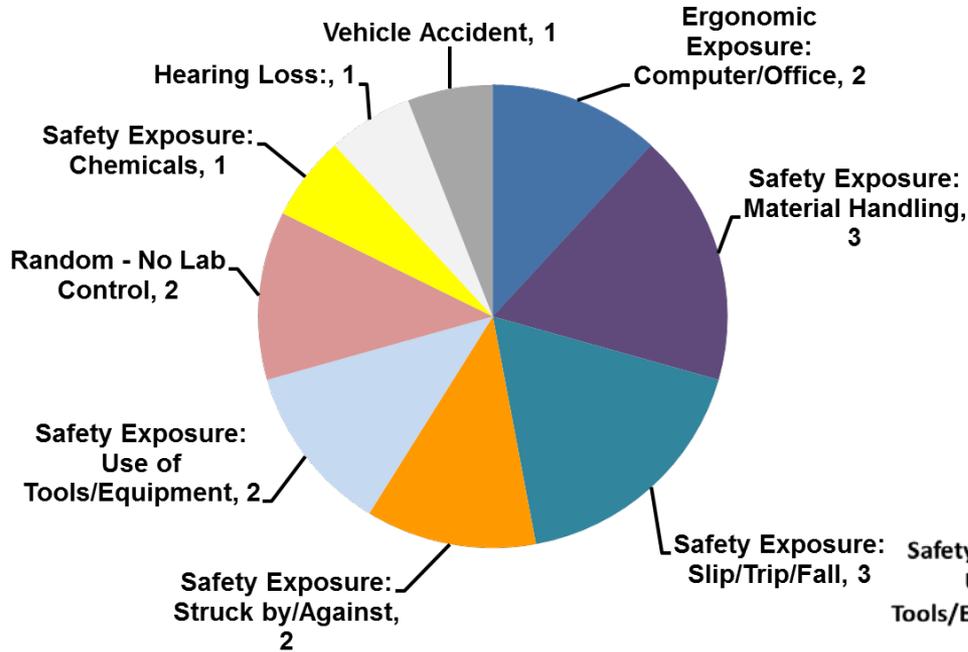
# Performance vs. DOE Goals - DART

Berkeley Lab and Contractors  
 Cumulative DART (Days Away, Restricted, Transferred) Cases  
 By Fiscal Year

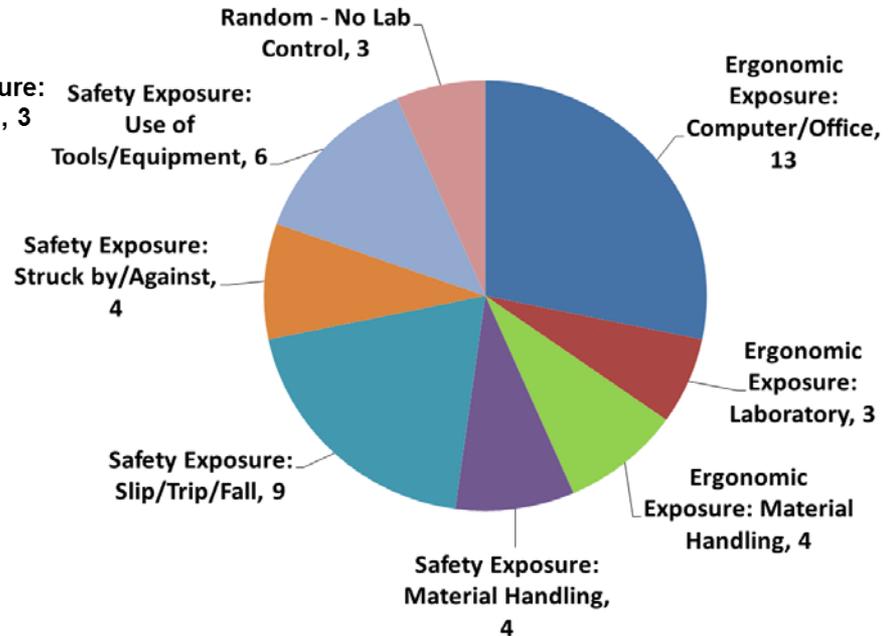


# Recordable Injury Categories and Causes

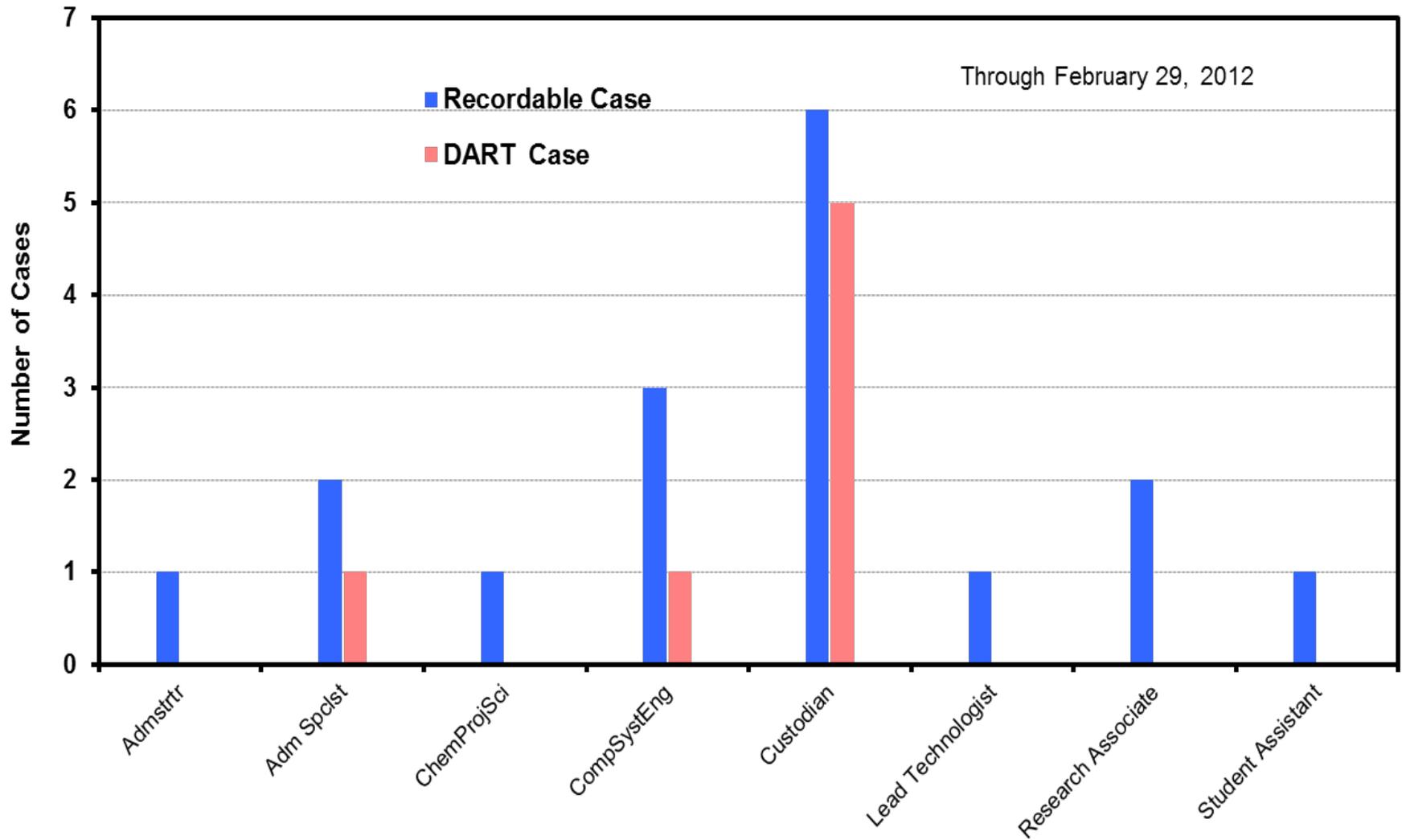
FY 2012 through February 29, 2012



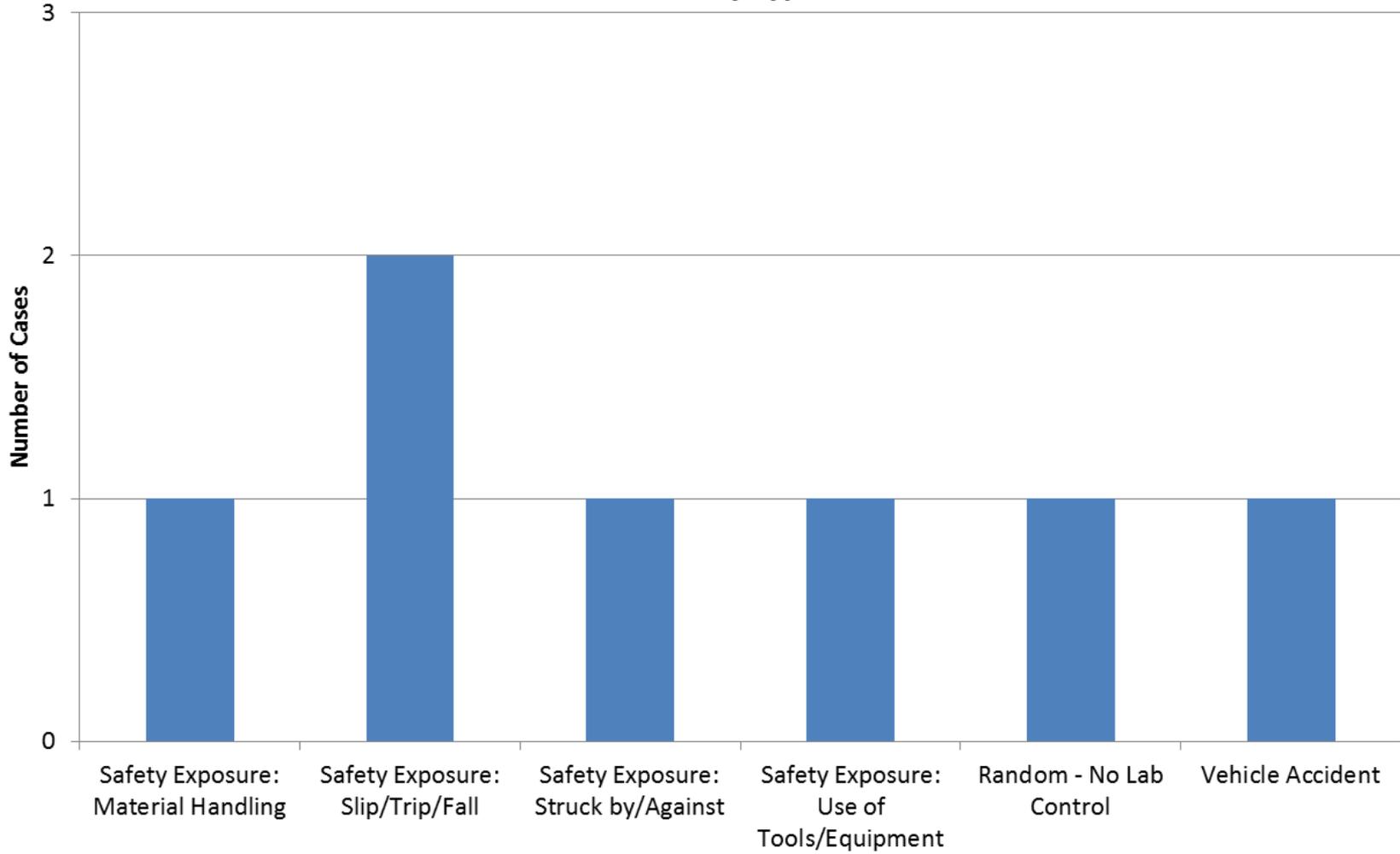
FY 2011



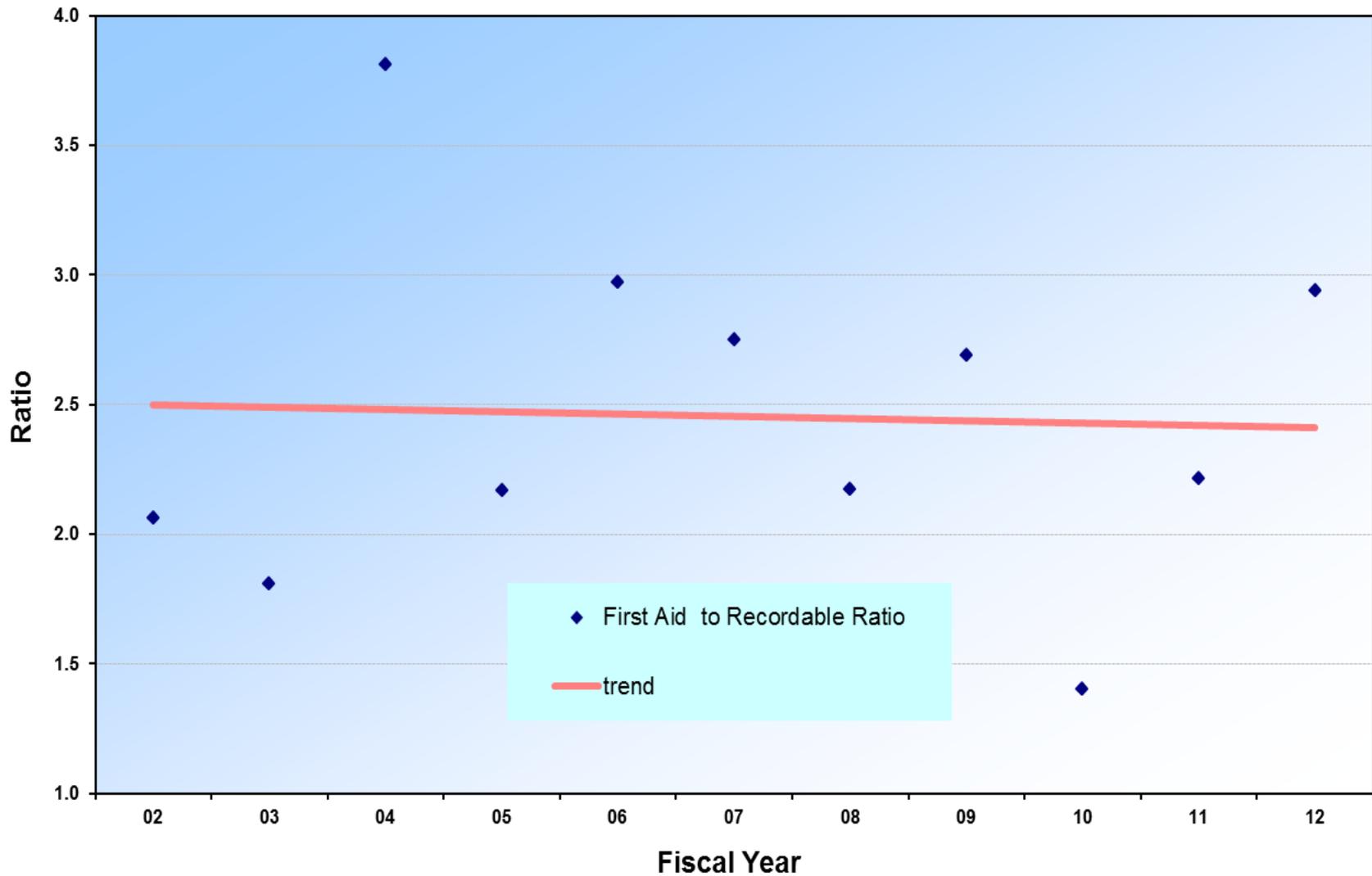
## Recordable and DART Cases by Job Classification



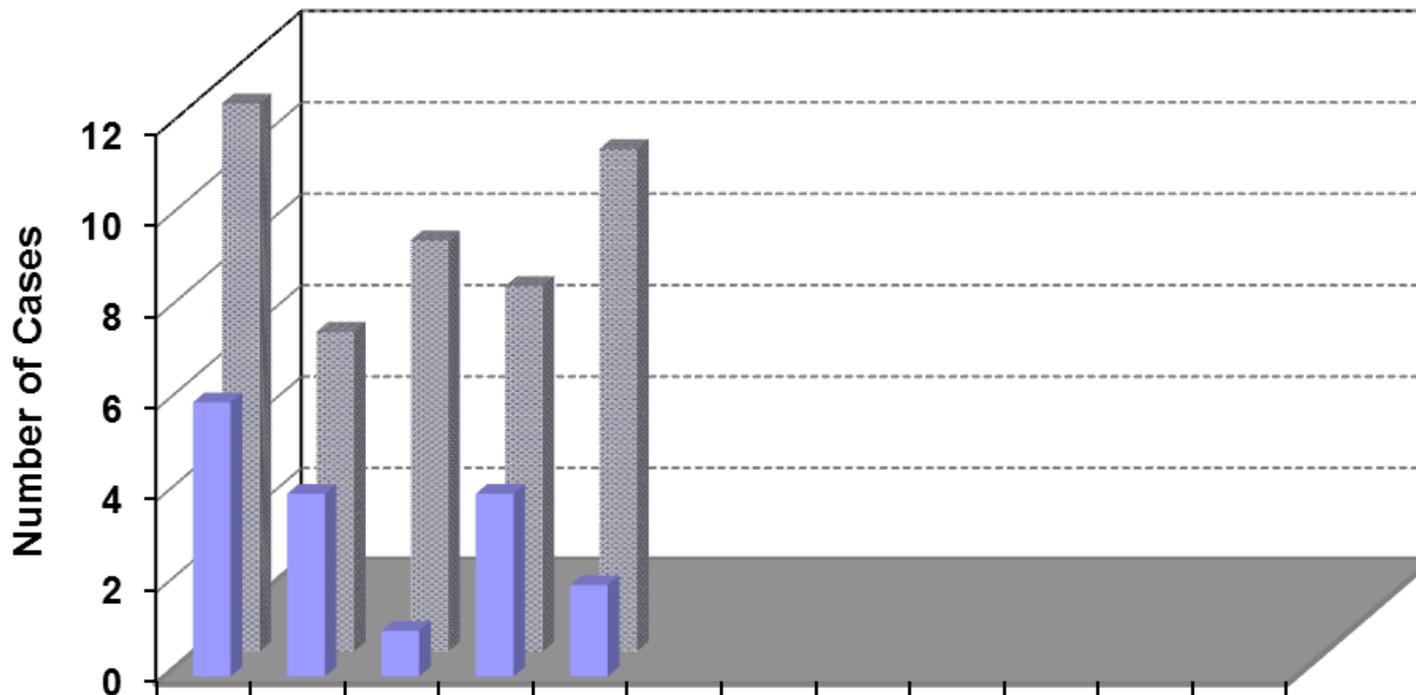
### DART Cases by Type FY12



# First Aid to Recordable Case Ratio through February 29, 2012

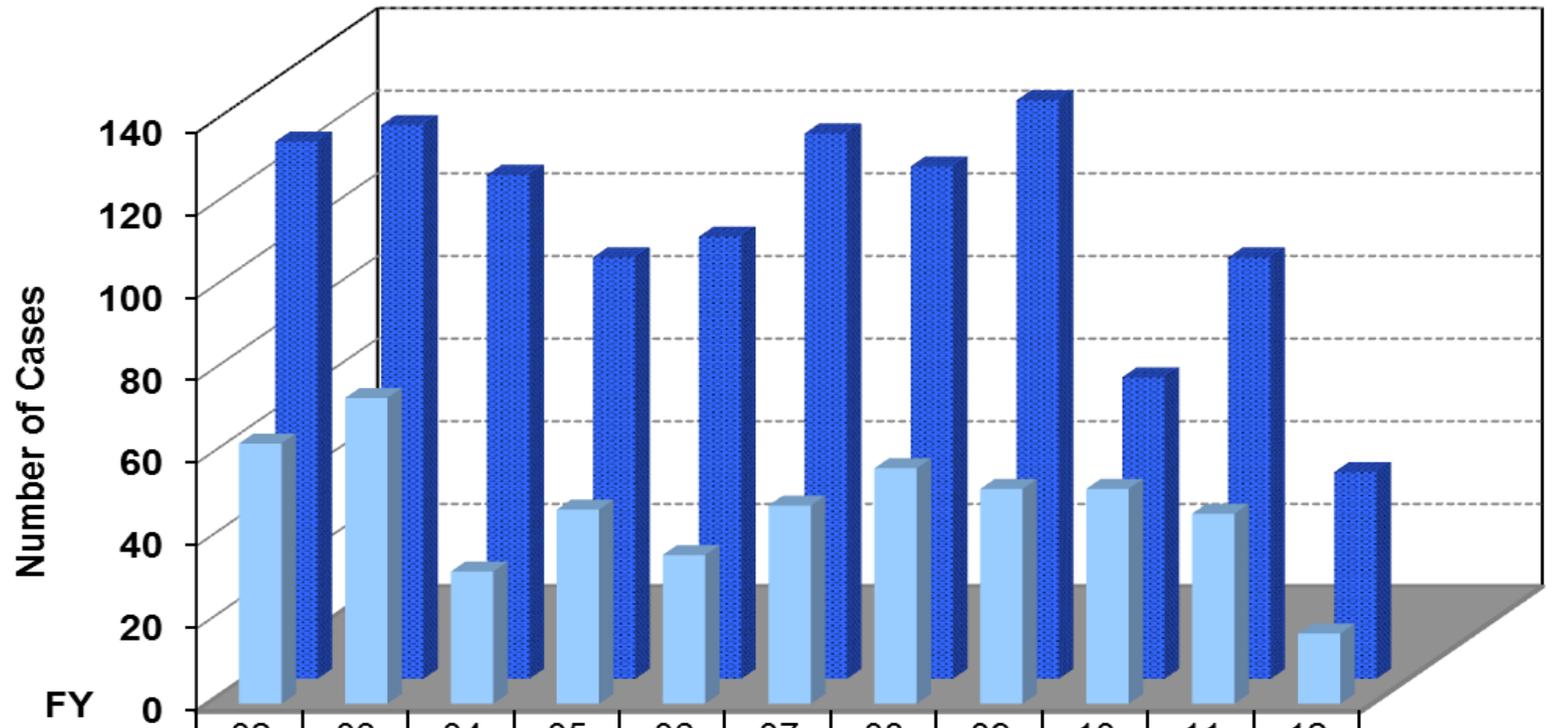


## FY2012 First Aid to Recordable Comparison by Month through February 29, 2012



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
■ REC	6	4	1	4	2							
■ FA	15	7	9	8	11							
FA to REC Ratio	2.5	1.8	9.0	2.0	5.5							
% of Total as FA	71	64	90	67	85							
% of Total as REC	29	36	10	33	15							

## FY02 to FY2011 First Aid to Recordable Comparison by Year through February 29, 2012



REC	63	74	32	47	36	48	57	52	52	46	17
FA	130	134	122	102	107	132	124	140	73	102	50
FA to REC Ratio	2.1	1.8	3.8	2.2	3.0	2.8	2.2	2.7	1.4	2.2	2.9
% of Total as FA	67	64	79	68	75	73	69	73	58	69	75
% of Total as REC	33	36	21	32	25	27	31	27	42	31	25

# LBNL Total Recordable Cases October 1, 2011 - September 30, 2012 (FY12)

	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total YTD
<b>LBNL Research</b>													
<b>Computing Sciences</b>	0	1	0	1	0	0	0	0	0	0	0	0	2
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0
NERSC Center	0	0	0	1	0	0	0	0	0	0	0	0	1
Scientific Networking	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>General Sciences</b>	1	1	0	0	0	0	0	0	0	0	0	0	2
AFRD	0	1	0	0	0	0	0	0	0	0	0	0	1
Engineering	1	0	0	0	0	0	0	0	0	0	0	0	1
Nuclear Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy &amp; Environmental Sciences</b>	0	0	0	1	1	0	0	0	0	0	0	0	2
Chemical Sciences	0	0	0	1	0	0	0	0	0	0	0	0	1
Earth Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Energy Tech.	0	0	0	0	1	0	0	0	0	0	0	0	1
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	1	0	0	1	0	0	0	0	0	0	0	0	2
Genomics	1	0	0	0	0	0	0	0	0	0	0	0	1
Life Sciences	0	0	0	1	0	0	0	0	0	0	0	0	1
Physical Biosciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Advanced Light Source</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Research Sub-Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>8</b>						
<b>LBNL Operations</b>													
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0	0
Facilities	2	1	1	1	1	0	0	0	0	0	0	0	6
Human Resources	1	1	0	0	0	0	0	0	0	0	0	0	2
Information Technology	1	0	0	0	0	0	0	0	0	0	0	0	1
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0
CFO	0	0	0	0	0	0	0	0	0	0	0	0	0
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>9</b>						
<b>LBNL Total</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>17</b>						
<b>LBNL Construction</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Site Grand Total</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>17</b>						
<i>Prior Year (FY11) Site Grand Total</i>	5	1	1	3	2	8	2	3	6	6	3	6	46
<i>Prior Year (FY10) Site Grand Total</i>	3	5	2	1	7	5	1	7	6	5	1	9	52
<i>Prior Year (FY09) Site Grand Total</i>	2	4	2	7	4	10	5	5	1	4	7	3	54
<i>Prior Year (FY08) Site Grand Total</i>	7	4	4	5	3	4	3	8	5	5	2	7	57
<i>Prior Year (FY07) Site Grand Total</i>	5	7	2	4	5	6	1	2	2	8	2	4	48

Color Gradation Key: 0 1 2 3 4 5 6 7 8+

# LBNL DART (Days Away, Restricted, Transferred) Cases Oct 1, 2012 - September 30, 2012 (FY12)

	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total YTD	
<b>LBNL Research</b>														
<b>Computing Sciences</b>	0	0	0	1	0	0	0	0	0	0	0	0	1	
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0	
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
NERSC Center	0	0	0	1	0	0	0	0	0	0	0	0	1	
Scientific Networking	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>General Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
AFRD	0	0	0	0	0	0	0	0	0	0	0	0	0	
Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nuclear Science	0	0	0	0	0	0	0	0	0	0	0	0	0	
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Energy &amp; Environmental Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemical Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	
Earth Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	
Environmental Energy Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Biosciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
Genomics	0	0	0	0	0	0	0	0	0	0	0	0	0	
Life Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	
Physical Biosciences	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Advanced Light Source</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>LBNL Research Sub-Total</b>	0	0	0	1	0	0	0	0	0	0	0	0	1	
<b>LBNL Operations</b>														
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0	0	
Facilities	2	1	0	1	1	0	0	0	0	0	0	0	5	
Human Resources	1	0	0	0	0	0	0	0	0	0	0	0	1	
Information Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0	
CFO	0	0	0	0	0	0	0	0	0	0	0	0	0	
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>LBNL Operations Sub-Total</b>	3	1	0	1	1	0	0	0	0	0	0	0	6	
<b>LBNL Total</b>	3	1	0	2	1	0	0	0	0	0	0	0	7	
<b>LBNL Construction</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Site Grand Total</b>	3	1	0	2	1	0	0	0	0	0	0	0	7	
<i>Prior Year (FY11) Site Grand Total</i>	3	0	0	1	0	3	2	2	4	5	0	3	23	
<i>Prior Year (FY10) Site Grand Total</i>	1	3	1	0	3	3	1	1	3	2	2	0	20	
<i>Prior Year (FY09) Site Grand Total</i>	1	2	0	2	0	5	2	3	0	2	2	0	19	
<i>Prior Year (FY08) Site Grand Total</i>	3	3	2	2	1	3	1	4	1	2	1	2	25	
<i>Prior Year (FY07) Site Grand Total</i>	2	4	0	3	2	4	1	1	0	4	0	3	24	
Color Gradation Key:	0	1	2	3	4	5	6	7	8+					25