



# Berkeley Lab Accident Statistics Through

## August 31, 2013



**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 [rwfisher@lbl.gov](mailto:rwfisher@lbl.gov)**

# Injury/Illness Cases – August 2013

## Ergonomic Cases

- **Hand and elbow strain**
  - The Custodian reported development of soreness in hands and elbows over a period of several weeks after changes in workload and locations.
- **Bilateral hand, wrist and forearm pain**
  - The Computer Systems Engineer reported development of pain in the hands, wrists, and forearms associated with use of computer keyboard and mouse after recently moving to a new workstation.

# Injury/Illness Cases – August 2013

## Slip Trip Fall

- **Strained ankle**
  - The Senior Resource Analyst twisted an ankle while turning to walk out of the kitchenette area.
- **Multiple strains**
  - While moving a server, the Computer Systems Engineer's leg fell through a floor opening.
- **Knee contusion**
  - The Emergency Management Specialist was walking with a colleague downhill on Lawrence Road in the vicinity of the Guest House. New walkway markings and some uneven pavement may have caused the employee to stumble. The employee fell and struck knee on pavement.

# Injury/Illness Cases – August 2013

## Slip Trip Fall

- **Bilateral knee discomfort**

- While descending the stairs from B71Q the Help Desk Specialist misstepped from the bottom step to the ground level causing the employee to fall face-forward landing on the arms and knees.

## Trauma

- **Foot sprain**

- The Senior Plant / Facilities Engineering Associate had moved some utility tables on a cart during the day on exterior site road terrain. That evening, the employee experienced the onset of pain in the heel.

- **Elbow strain**

- The Senior Benefits Analyst felt pain in the elbow while lifting a tote case of work materials onto the shuttle bus en route to a meeting.

# Injury/Illness Cases – August 2013

## Lacerations / Cuts / Abrasions

- **Abrasions to leg, knee and elbow**

- The Electrical Engineering Associate was descending Chu Road on a motor scooter in the vicinity of Building 65 and slowing to stop at the stop sign. The wheels slipped on the road surface, moist from street sweeper activity, and caused the scooter to fall to the side and the employee to fall to the pavement.

- **Penetrating laceration to top of foot**

- The Guest Scientist was retrieving a metal handled pointed tip blade scalpel from a tool box drawer on the workbench. The knife fell out of the open end of the plastic storage sleeve and dropped point first striking and penetrating the employee's shoe and several millimeters into the top of the foot.

# Injury/Illness Cases – August 2013

## Lacerations / Cuts / Abrasions

- **Laceration of thumb**

- The Construction Subcontractor Journeyman Glazier was attempting to pull a metal panel with vice grip pliers. The tool slipped loose suddenly and the resulting forceful motion of the hand caused the thumb to strike against a sharp sheet metal stud edge.

- **Hand laceration**

- The Student Assistant was attempting to open a glass vacuum desiccator by holding the glass vacuum port as a handle. The vacuum connector broke and cut the employee's hand.

# Injury/Illness Cases – August 2013

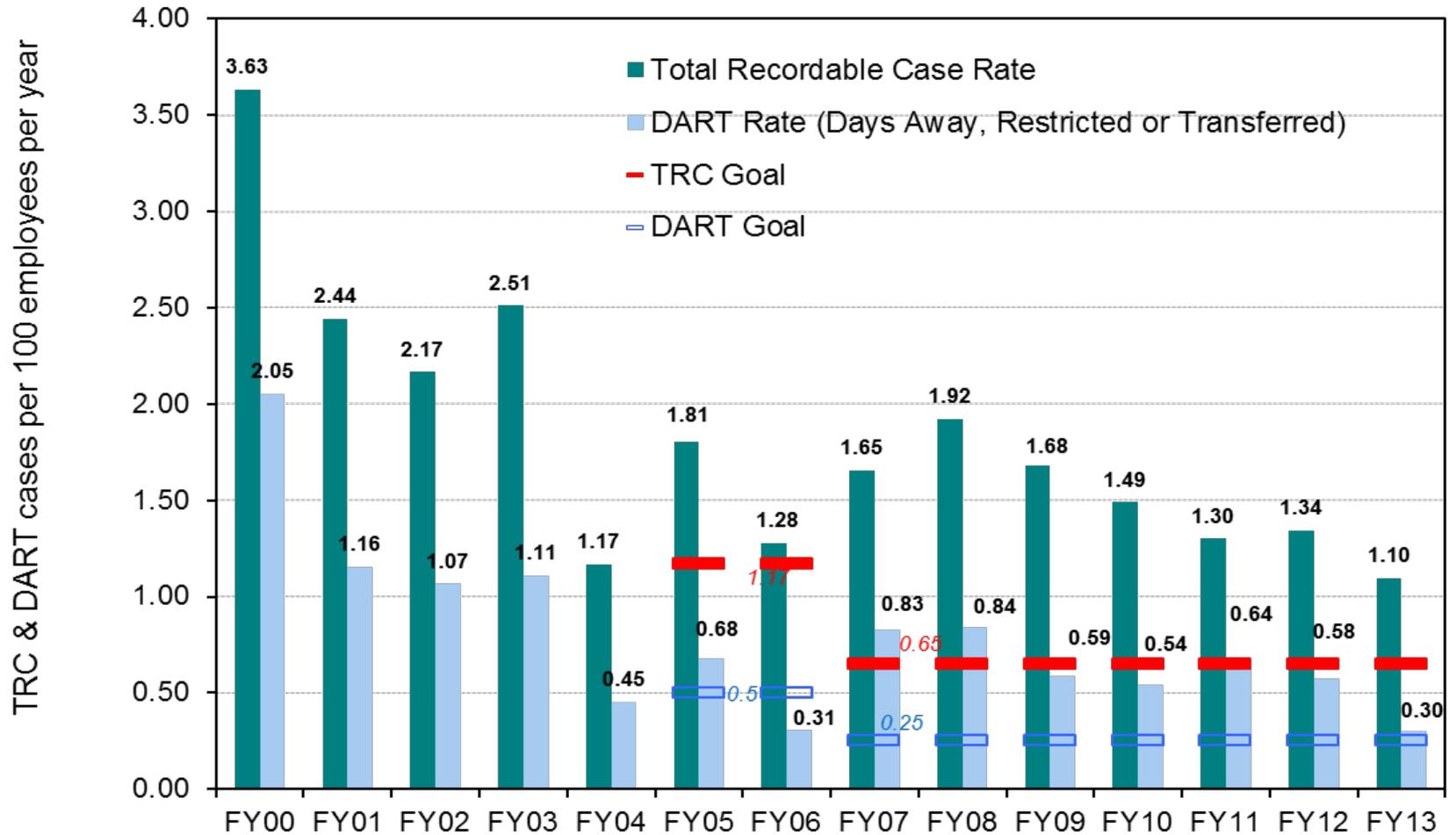
## Chemical Contact

- **Lower arm skin contact with chemical**
  - While weighing out some bromoacetic acid granules a small amount of the material contacted the Postdoctoral Chemist's skin surface between the top of the glove opening and the cuff of the lab coat.
- **Sterile culture media / bleach contact**
  - While pouring sterile cell media a small drop splashed on the Biologist Postdoctoral Fellow's lip.

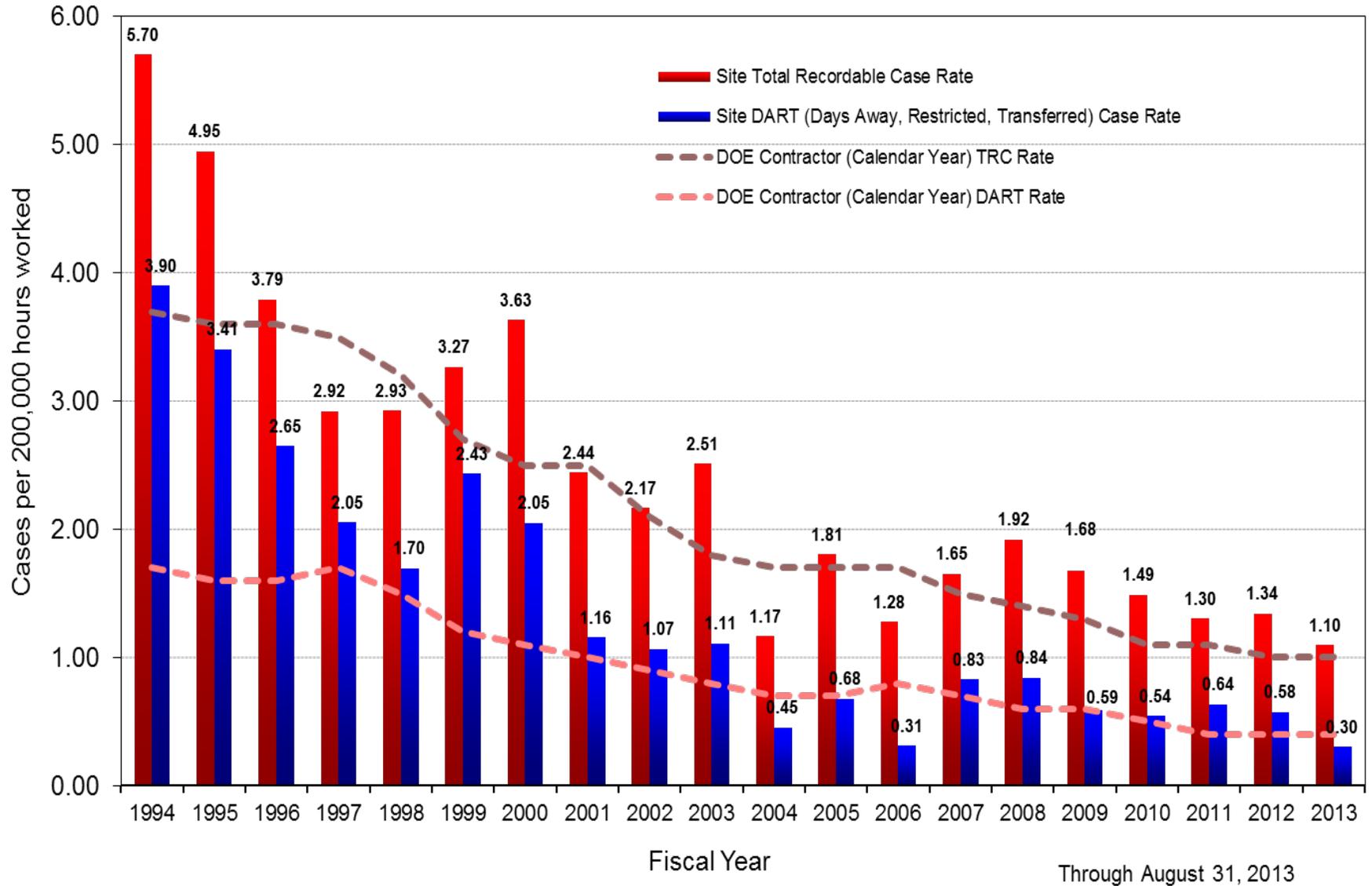
# Berkeley Lab Site-Wide TRC & DART Rates

(Includes all Construction and Service Contractors)

## Through August 31, 2013

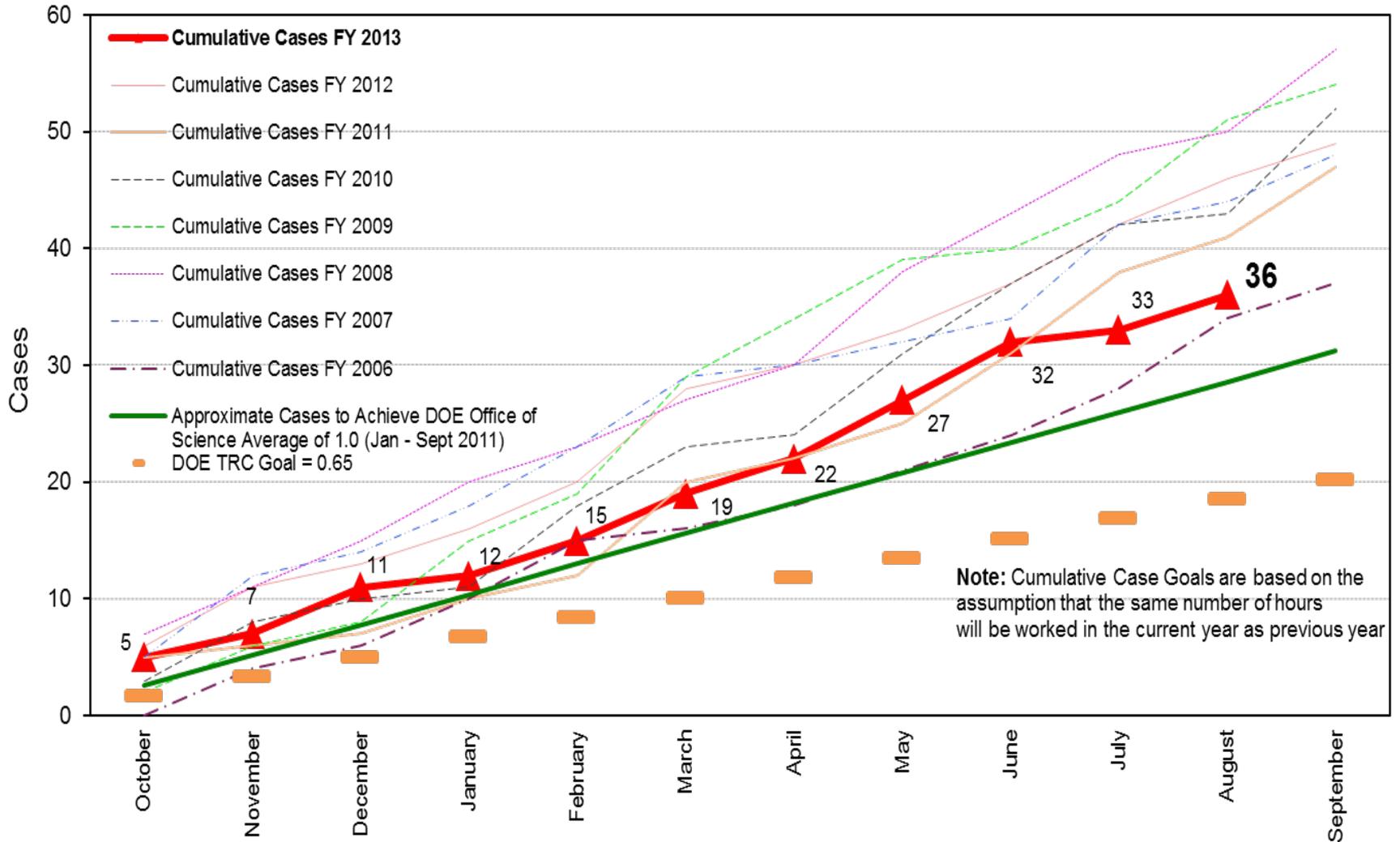


## Berkeley Lab Site Accident Rates

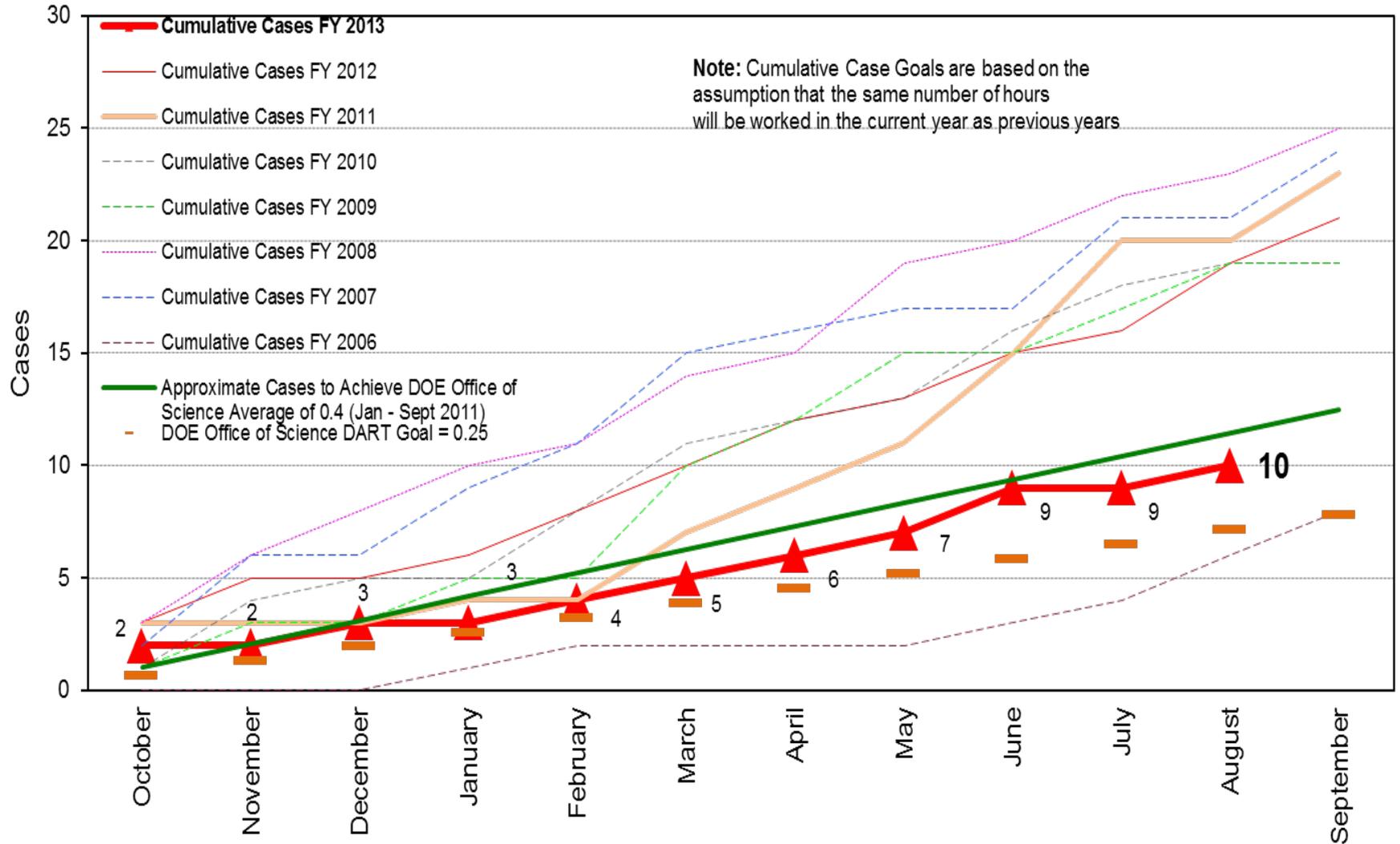


Through August 31, 2013

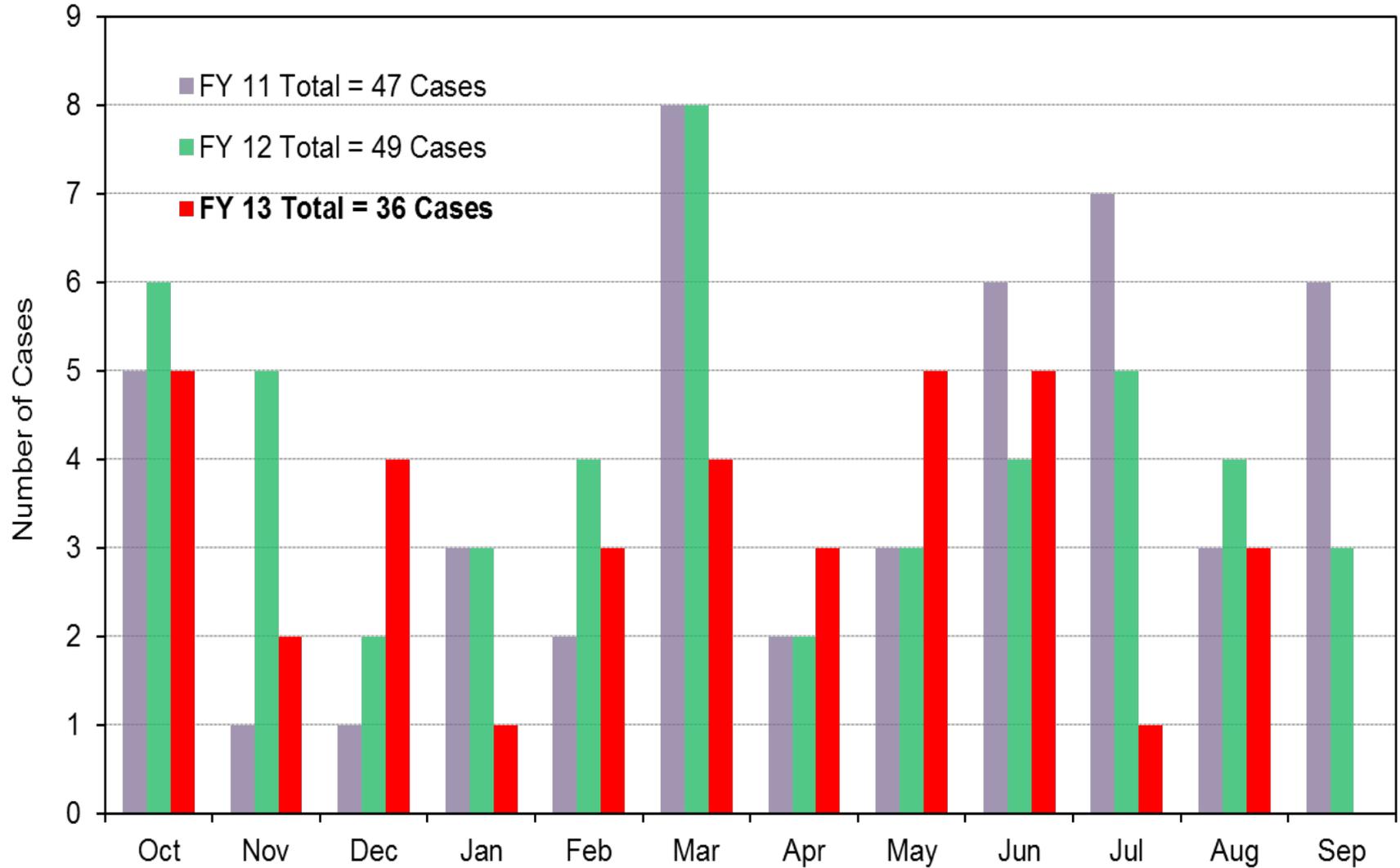
# Berkeley Lab and Contractors Cumulative Total Recordable Cases By Fiscal Year



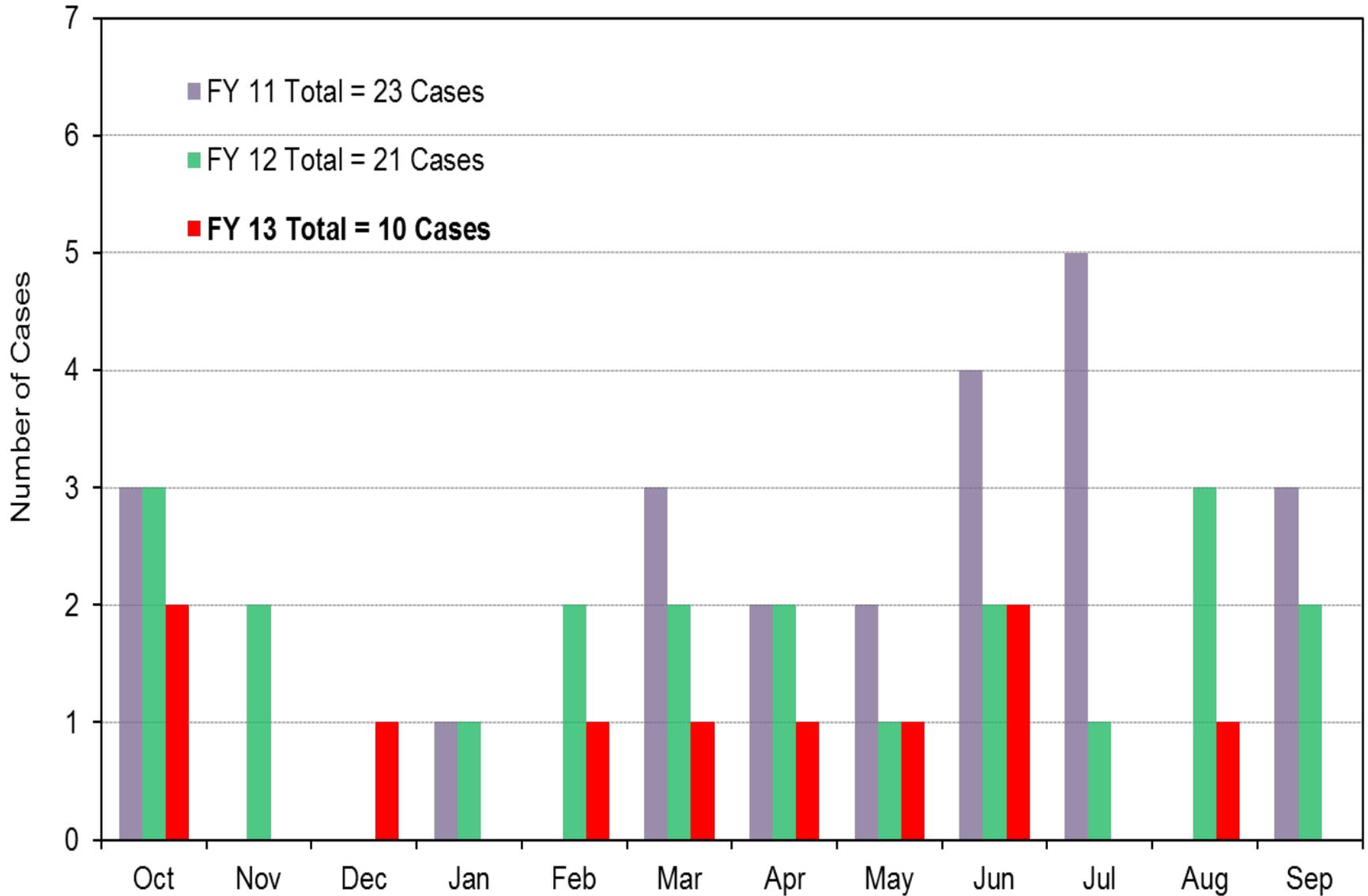
## Berkeley Lab and Contractors Cumulative DART (Days Away, Restricted, Transferred) Cases By Fiscal Year

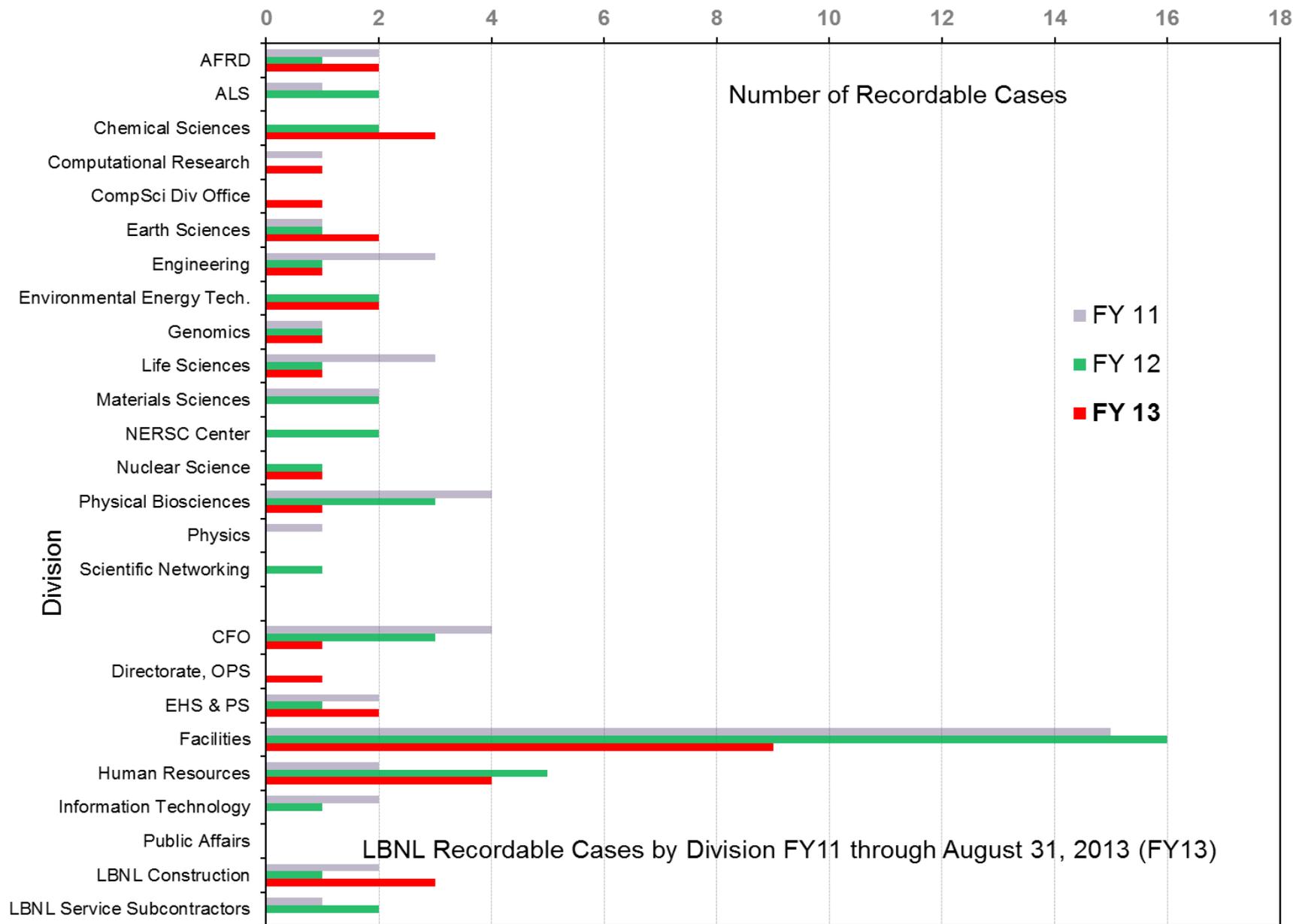


# LBNL Recordable Cases FY11 through August 31, 2013 (FY13)

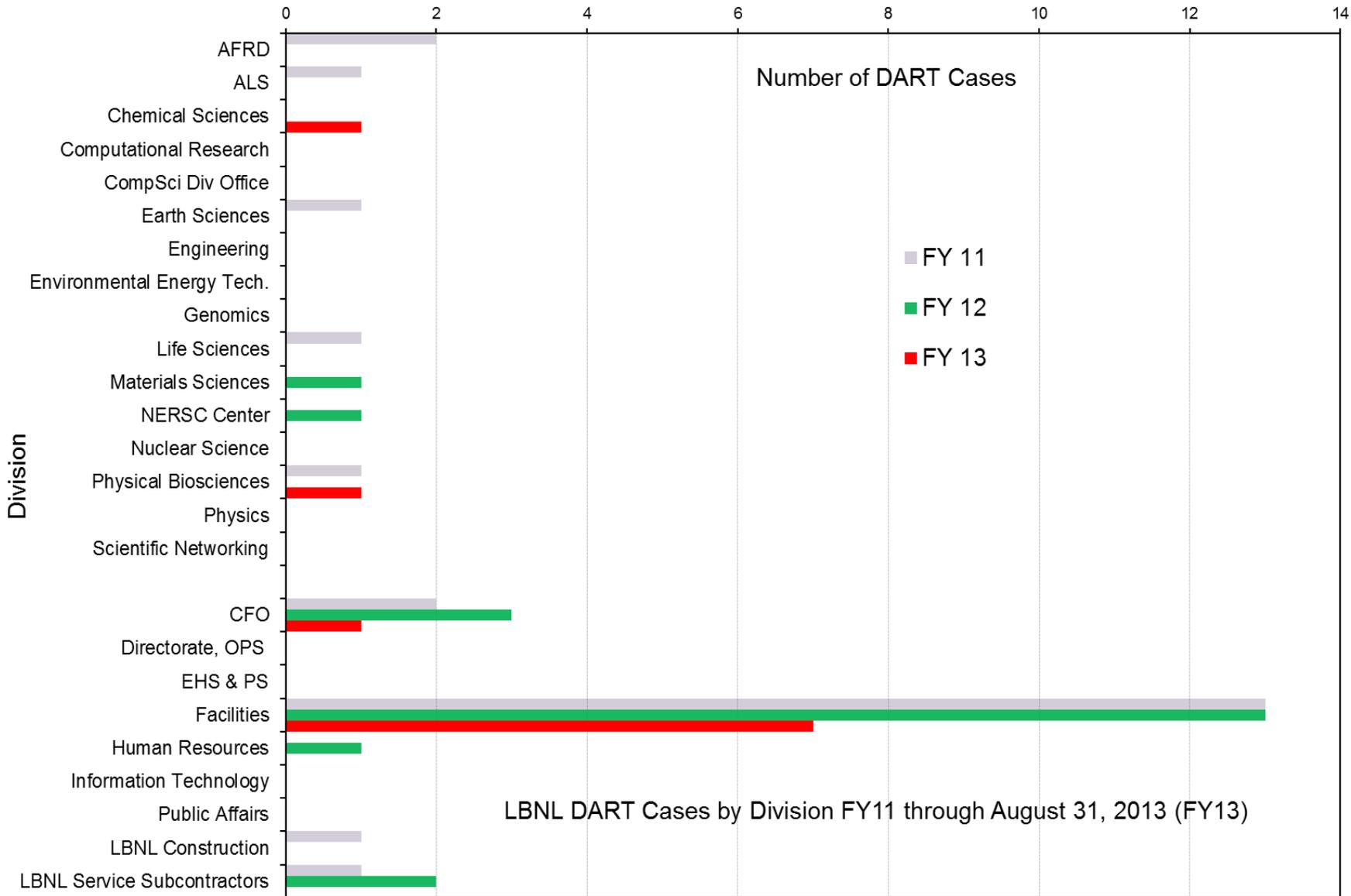


# LBNL DART Cases FY11 through August 31, 2013 (FY13)



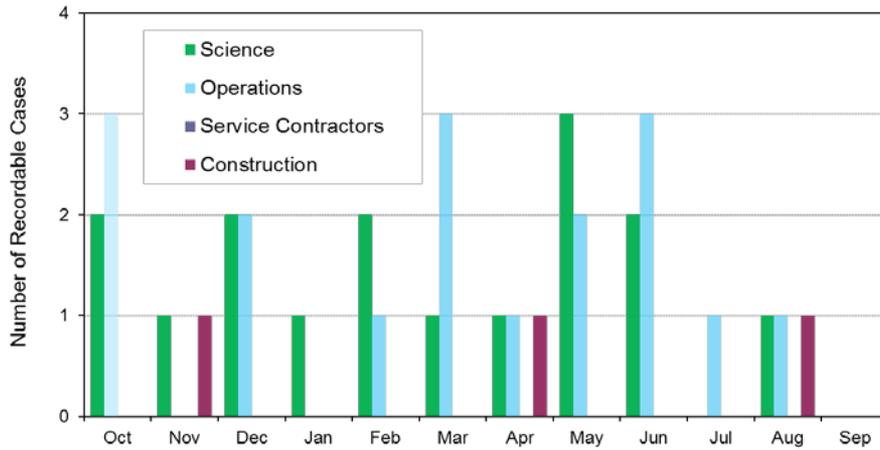


LBNL Recordable Cases by Division FY11 through August 31, 2013 (FY13)

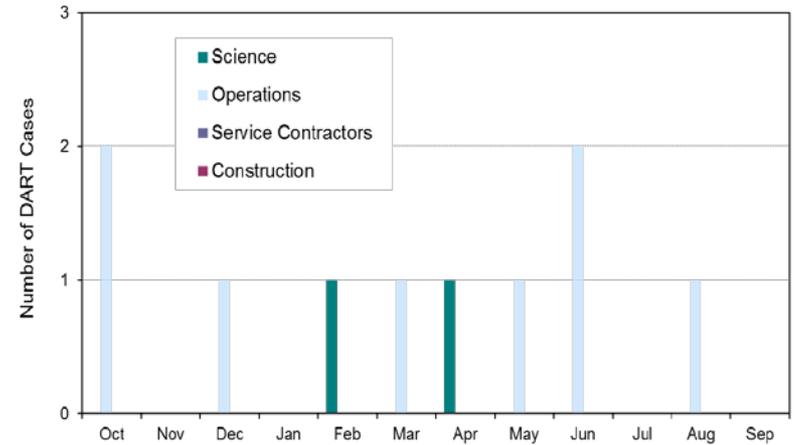


LBNL DART Cases by Division FY11 through August 31, 2013 (FY13)

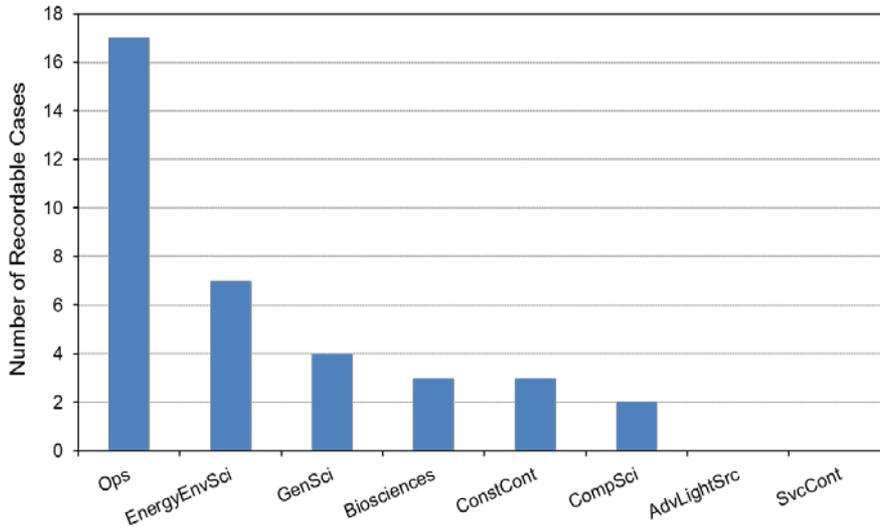
Recordable Cases by LBNL Major Organization  
FY 2013 To Date August 31, 2013



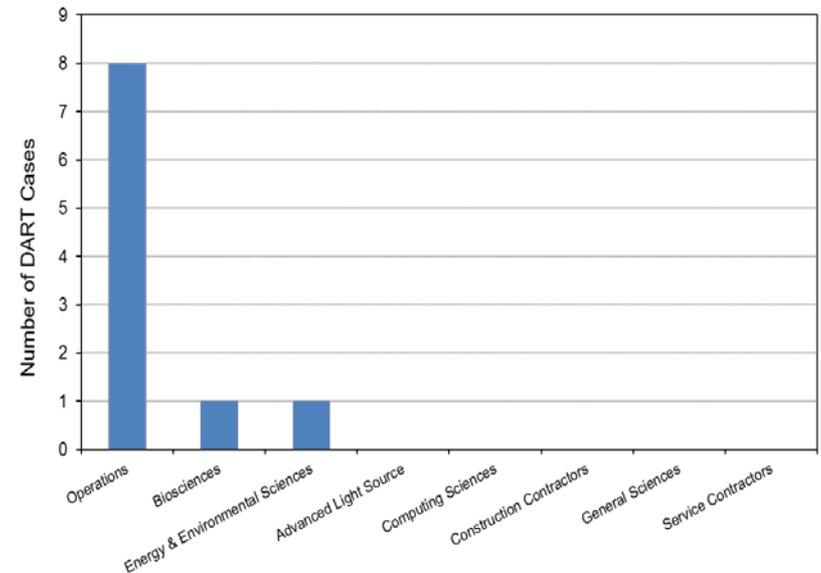
DART Cases by LBNL Major Organization  
FY 2013 To Date August 31, 2013



Recordable Cases by Directorate  
FY 2013 To Date August 31, 2013

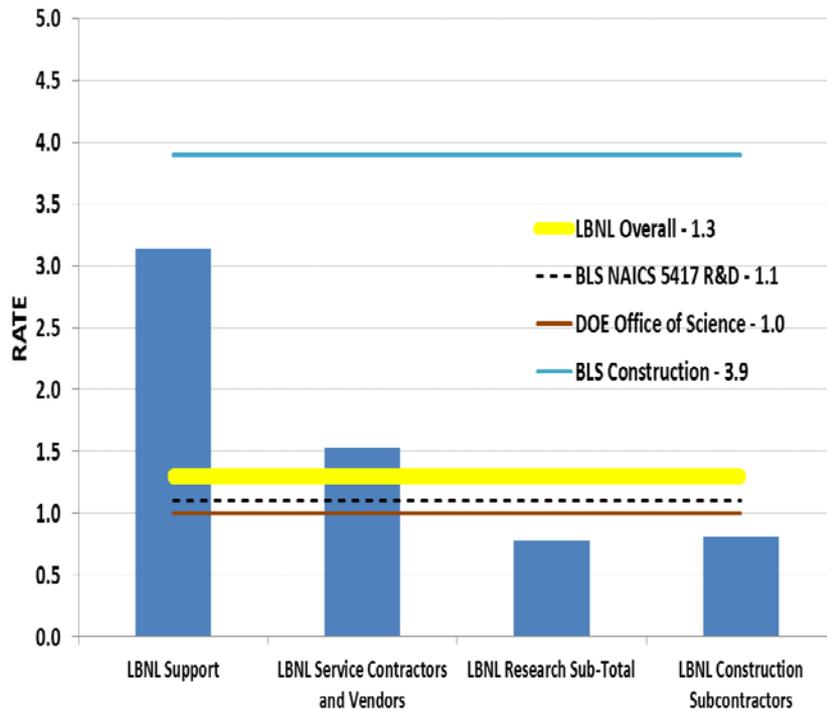


DART Cases by Directorate  
FY 2013 To Date August 31, 2013

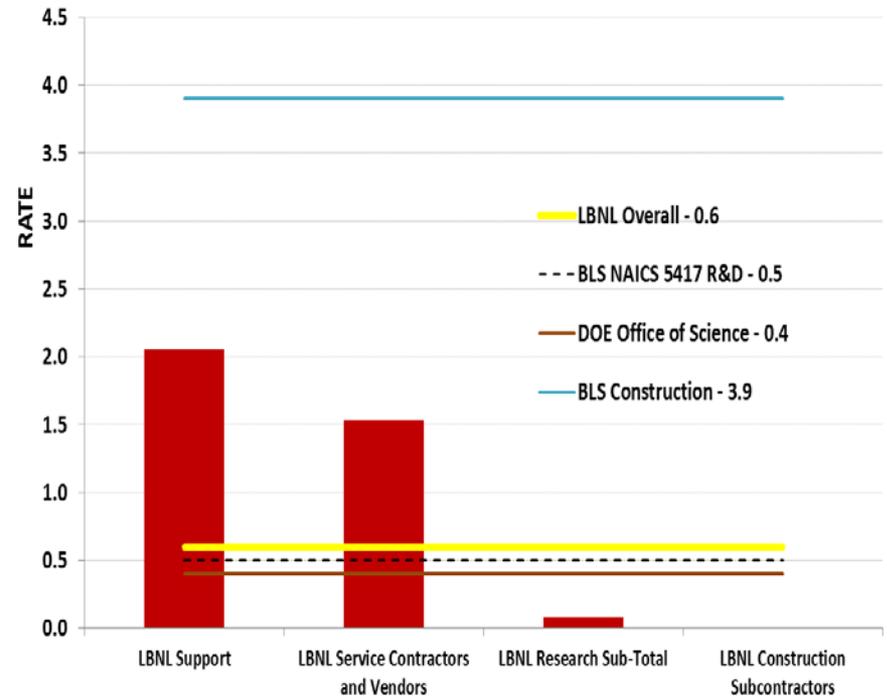


# FY 2012 Summary Reference

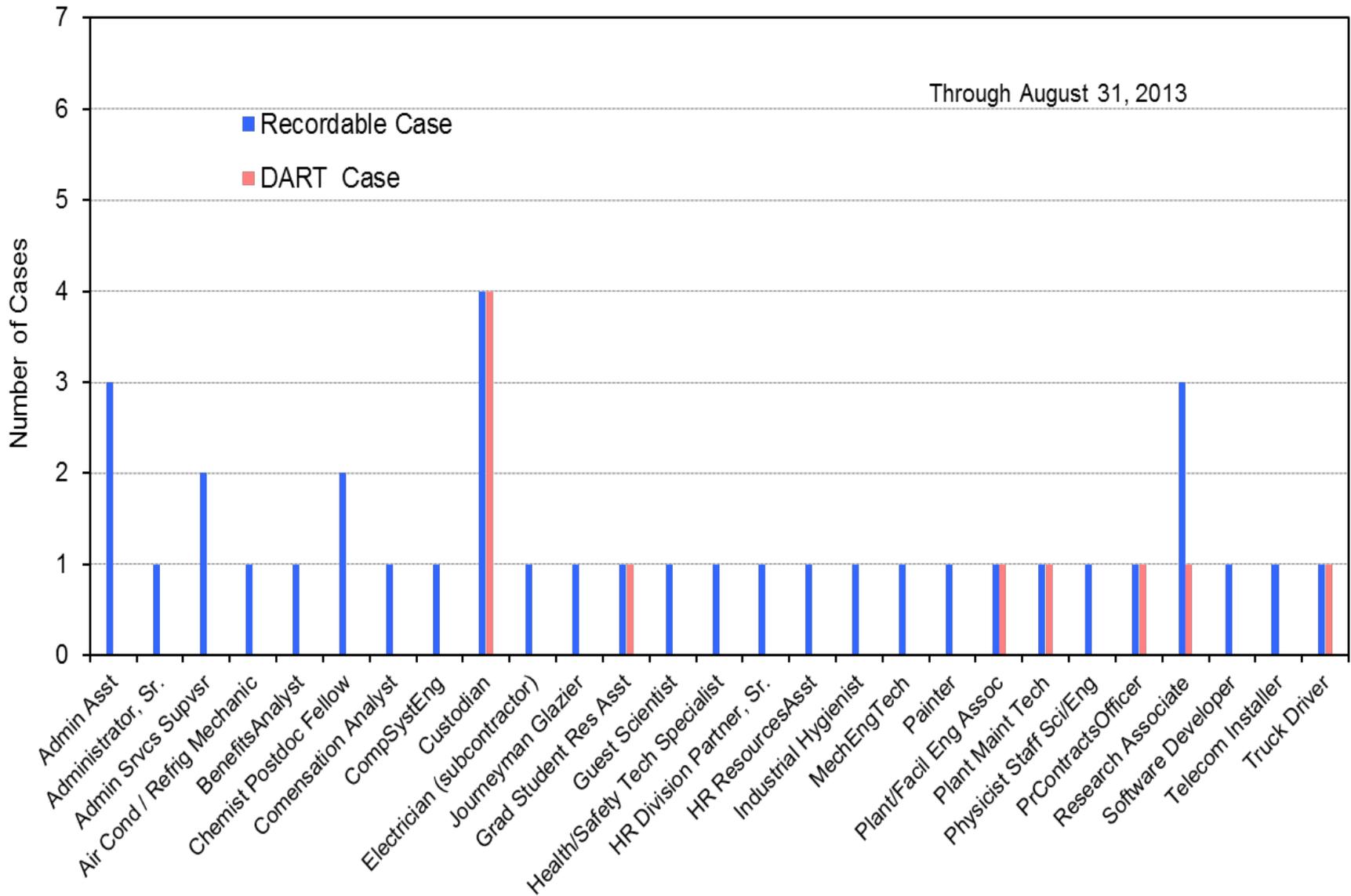
FY12 Recordable Rate with Benchmarks  
(DOE Reporting Organization)



FY12 DART Rate with Benchmarks  
(DOE Reporting Organization)

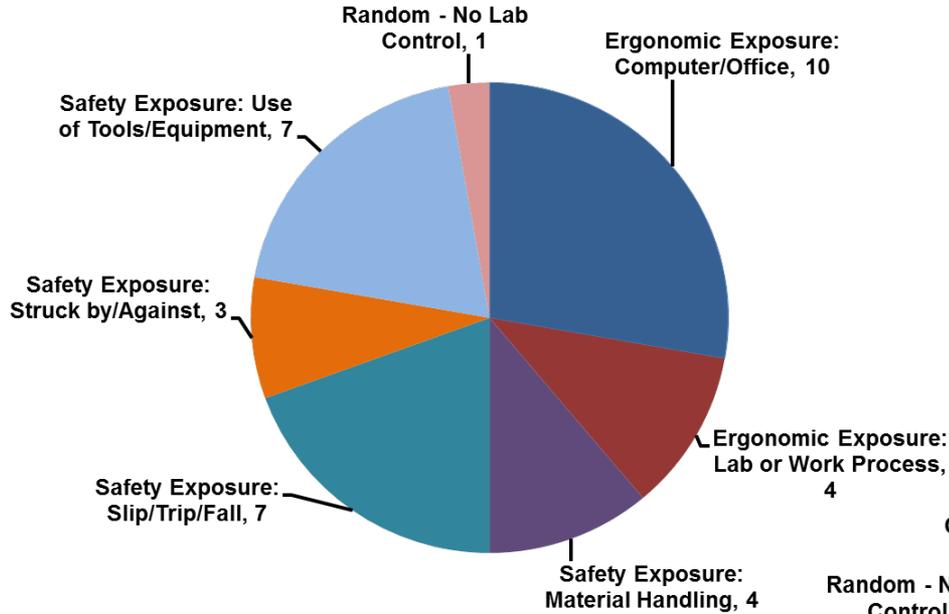


## Recordable and DART Cases by Job Classification

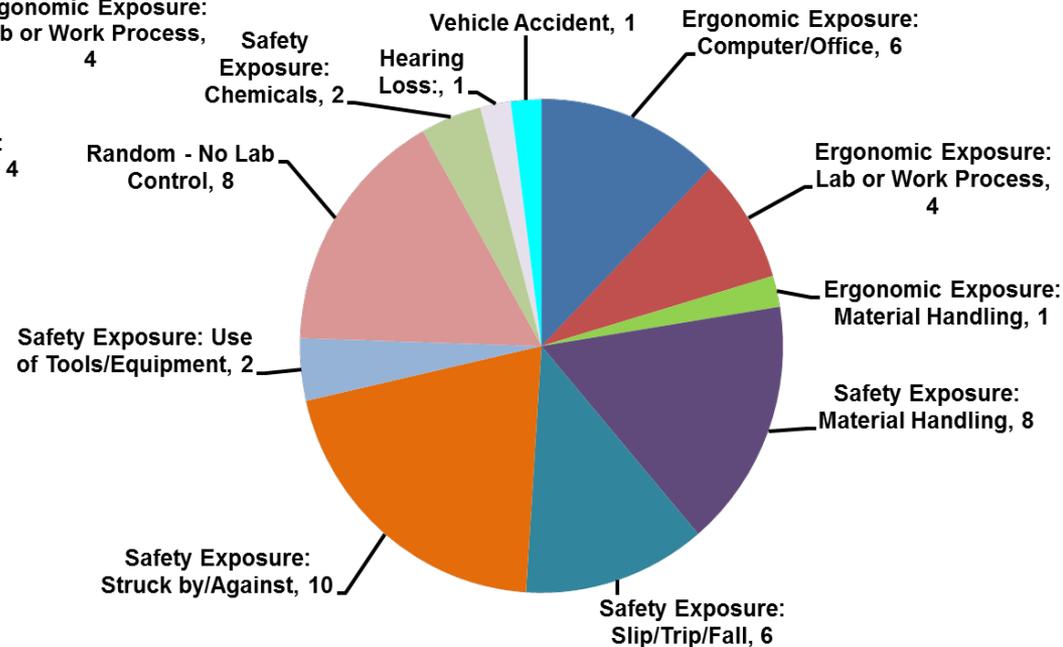


# Recordable Injury Categories and Causes

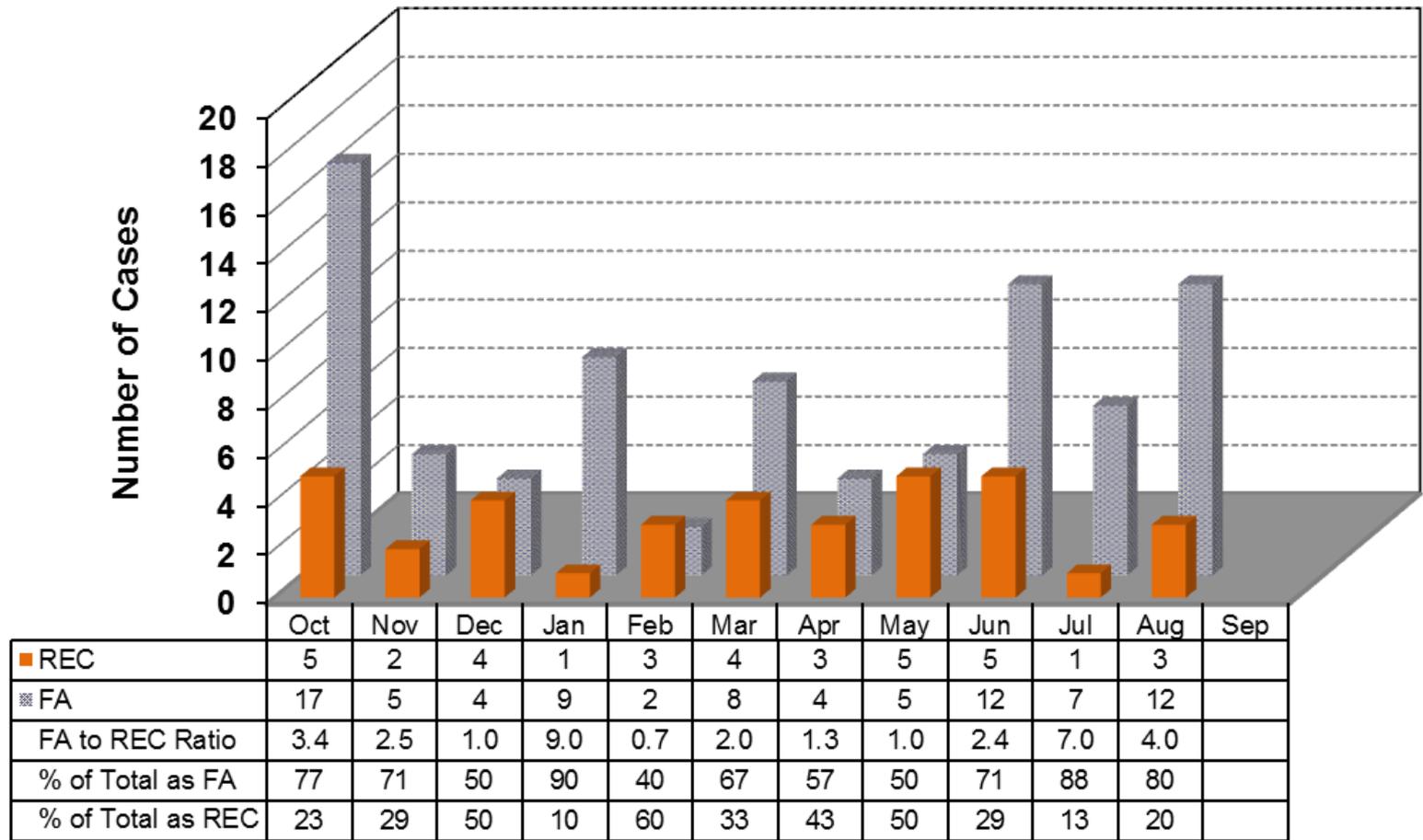
FY 2013 through 8/31/13



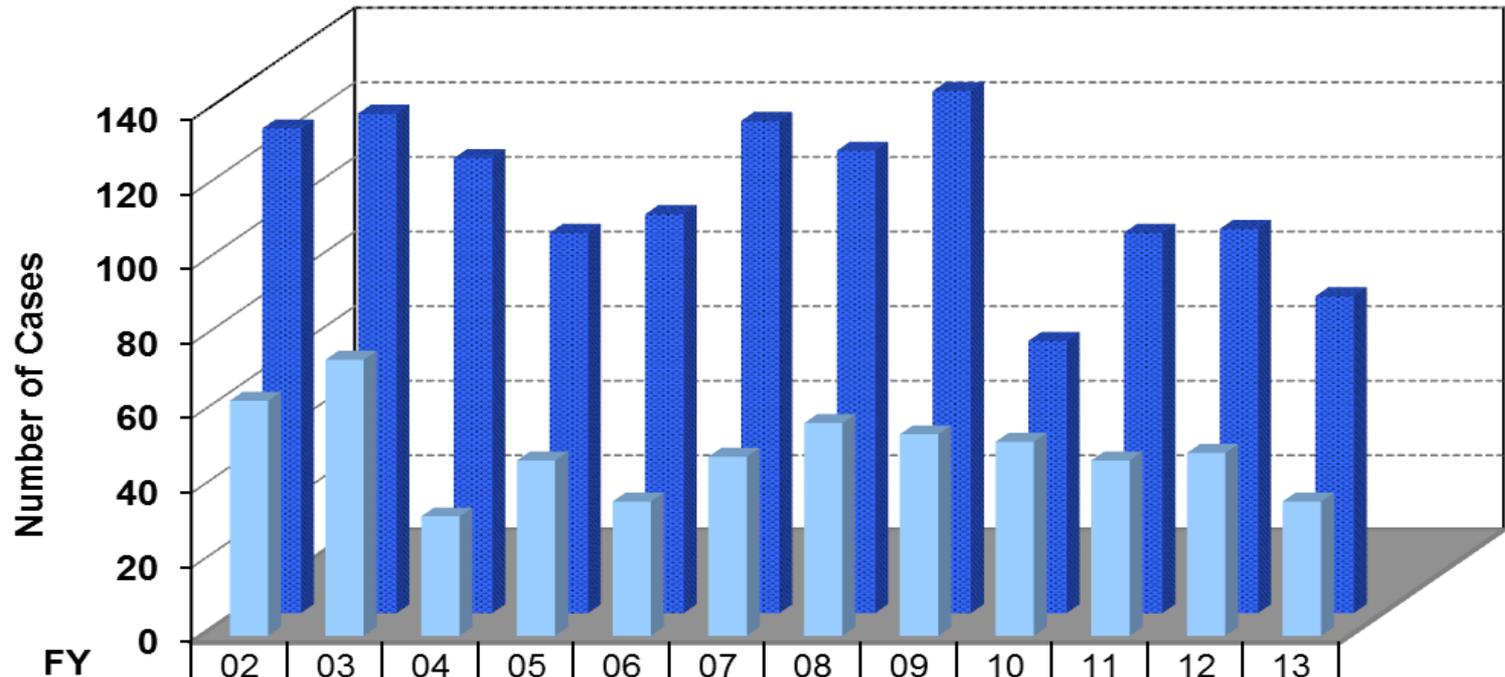
FY 2012



## FY2013 First Aid to Recordable Comparison by Month through August 31, 2013



## FY02 to FY2013 First Aid to Recordable Comparison by Year through August 31, 2013



FY	02	03	04	05	06	07	08	09	10	11	12	13
REC	63	74	32	47	36	48	57	54	52	47	49	36
FA	130	134	122	102	107	132	124	140	73	102	103	85
FA to REC Ratio	2.1	1.8	3.8	2.2	3.0	2.8	2.2	2.6	1.4	2.2	2.10	2.36
% of Total as FA	67	64	79	68	75	73	69	72	58	68	68	70
% of Total as REC	33	36	21	32	25	27	31	28	42	32	32	30

# LBNL Total Recordable Cases October 1, 2012 - September 30, 2013 (FY13)

	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Total YTD
<b>LBNL Research</b>													
<b>Computing Sciences</b>	1	0	0	0	0	0	0	1	0	0	0	0	2
Computational Research	1	0	0	0	0	0	0	0	0	0	0	0	1
Division Office	0	0	0	0	0	0	0	1	0	0	0	0	1
NERSC Center	0	0	0	0	0	0	0	0	0	0	0	0	0
Scientific Networking	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>General Sciences</b>	0	0	0	1	0	0	0	1	1	0	1	0	4
AFRD	0	0	0	1	0	0	0	0	0	0	1	0	2
Engineering	0	0	0	0	0	0	0	0	1	0	0	0	1
Nuclear Science	0	0	0	0	0	0	0	1	0	0	0	0	1
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy &amp; Environmental Sciences</b>	1	1	1	0	0	1	1	1	1	0	0	0	7
Chemical Sciences	0	1	0	0	0	0	1	0	1	0	0	0	3
Earth Sciences	1	0	0	0	0	0	0	1	0	0	0	0	2
Environmental Energy Tech.	0	0	1	0	0	1	0	0	0	0	0	0	2
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	0	0	1	0	2	0	0	0	0	0	0	0	3
Genomics	0	0	1	0	0	0	0	0	0	0	0	0	1
Life Sciences	0	0	0	0	1	0	0	0	0	0	0	0	1
Physical Biosciences	0	0	0	0	1	0	0	0	0	0	0	0	1
<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>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>16</b>
<b>LBNL Operations</b>													
EHS & PS	0	0	0	0	0	1	0	0	0	1	0	0	2
Facilities	3	0	1	0	0	2	0	1	1	0	1	0	9
Human Resources	0	0	1	0	1	0	0	1	1	0	0	0	4
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	1	0	0	0	1
Directorate	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>LBNL Operations Sub-Total</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>17</b>
<b>LBNL Total</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>33</b>
<b>LBNL Construction</b>	0	1	0	0	0	0	1	0	0	0	1	0	3
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Site Grand Total</b>	<b>5</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>36</b>
<i>Prior Year (FY12) Site Grand Total</i>	6	5	2	3	4	8	2	3	4	5	4	3	49
<i>Prior Year (FY11) Site Grand Total</i>	5	1	1	3	2	8	2	3	6	7	3	6	47
<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+				

Data as of 08/31/13

Notes: Projections assume that hours worked will remain constant

# LBNL DART (Days Away, Restricted, Transferred) Cases Oct 1, 2012 - September 30, 2013 (FY13)

	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Total YTD
<b>LBNL Research</b>													
<b>Computing Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	1
Chemical Sciences	0	0	0	0	0	0	1	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	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	1	0	0	0	0	0	0	0	1
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	1	0	0	0	0	0	0	0	1
<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	0	1	0	1	0	0	0	0	0	2
<b>LBNL Operations</b>													
EHS & PS	0	0	0	0	0	0	0	0	0	0	0	0	0
Facilities	2	0	1	0	0	1	0	1	1	0	1	0	7
Human Resources	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	1
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	2	0	1	0	0	1	0	1	2	0	1	0	8
<b>LBNL Total</b>	2	0	1	0	1	1	1	1	2	0	1	0	10
<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>	2	0	1	0	1	1	1	1	2	0	1	0	10
<i>Prior Year (FY12) Site Grand Total</i>	3	2	0	1	2	2	2	1	2	1	3	2	21
<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+				

Data as of 08/31/13

Notes: Projections assume that hours worked will remain constant



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