

# **Berkeley Lab Accident Statistics Through August 31, 2010**

**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.**

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

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

# Narrative of August 2010 Recordable Injury Cases

- Student Assistant – Strain/sprain of ankles, bruises
  - While quickly going down ATM stairs, was holding wallet in hands. Fell from upper step and landed on hands on landing at bottom of steps.
- Biologist Research Sci/Eng – Repetitive strain of neck and shoulder region
  - Associated with intensive pipetting.

# Narrative of August 2010 First Aid Cases

- Computer Systems Engineer – Contusion on head
  - While passing through a small door, his bag slipped, which cause him to straighten up and he bumped his head.
- Safety Engineer – Foreign body in left eye
  - While in the office, something flew into his left eye and then apparently fell out without intervention.
- Grad Student Research Assistant – Bruised forehead
  - Employee pushed door open, and when it did not open as wide as anticipated, he hit head against door.

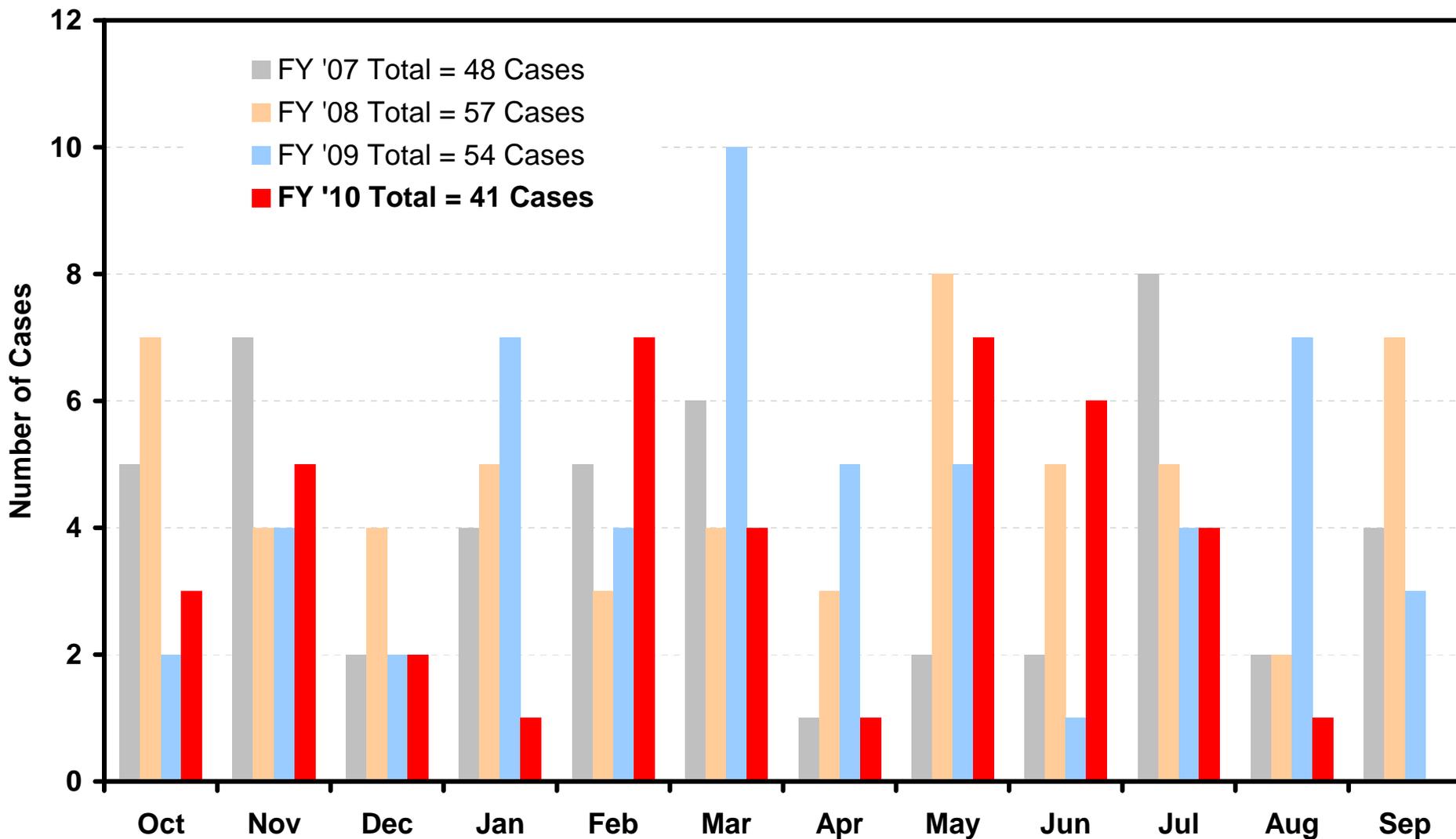
# Narrative of August 2010 First Aid Cases

- Facility Electrical Engineer – Sprain / strain of ankle
  - Slipped on loose gravel (from road repaving) on walkway along McMillan Road.
- Administrative Assistant – Puncture of finger
  - Received staple puncture of finger that became infected.
- Senior Research Associate – Lacerated finger
  - While reaching into a box she encountered broken glass that had fallen into box or been disposed of there improperly.

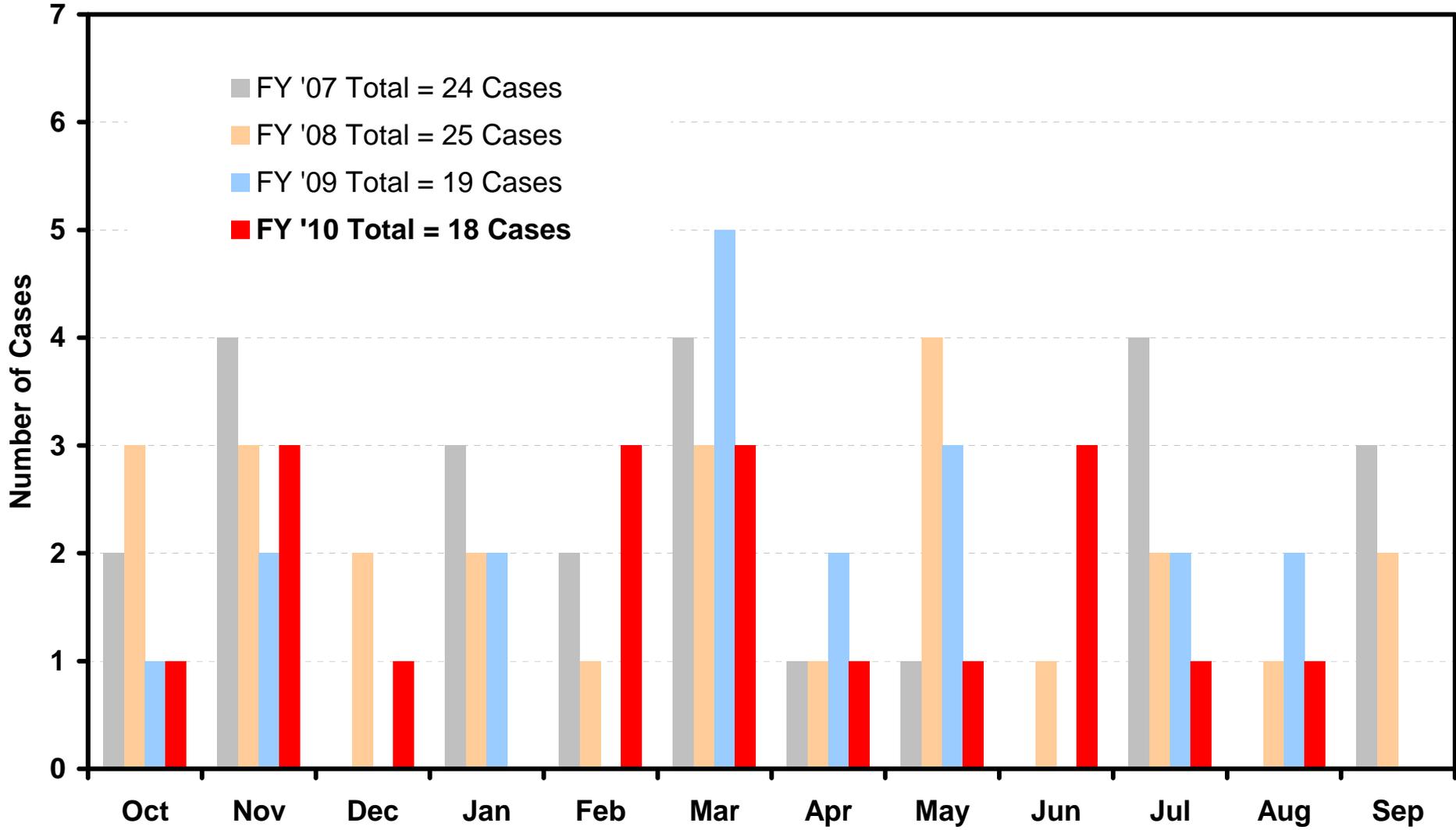
# Narrative of August 2010 First Aid Cases

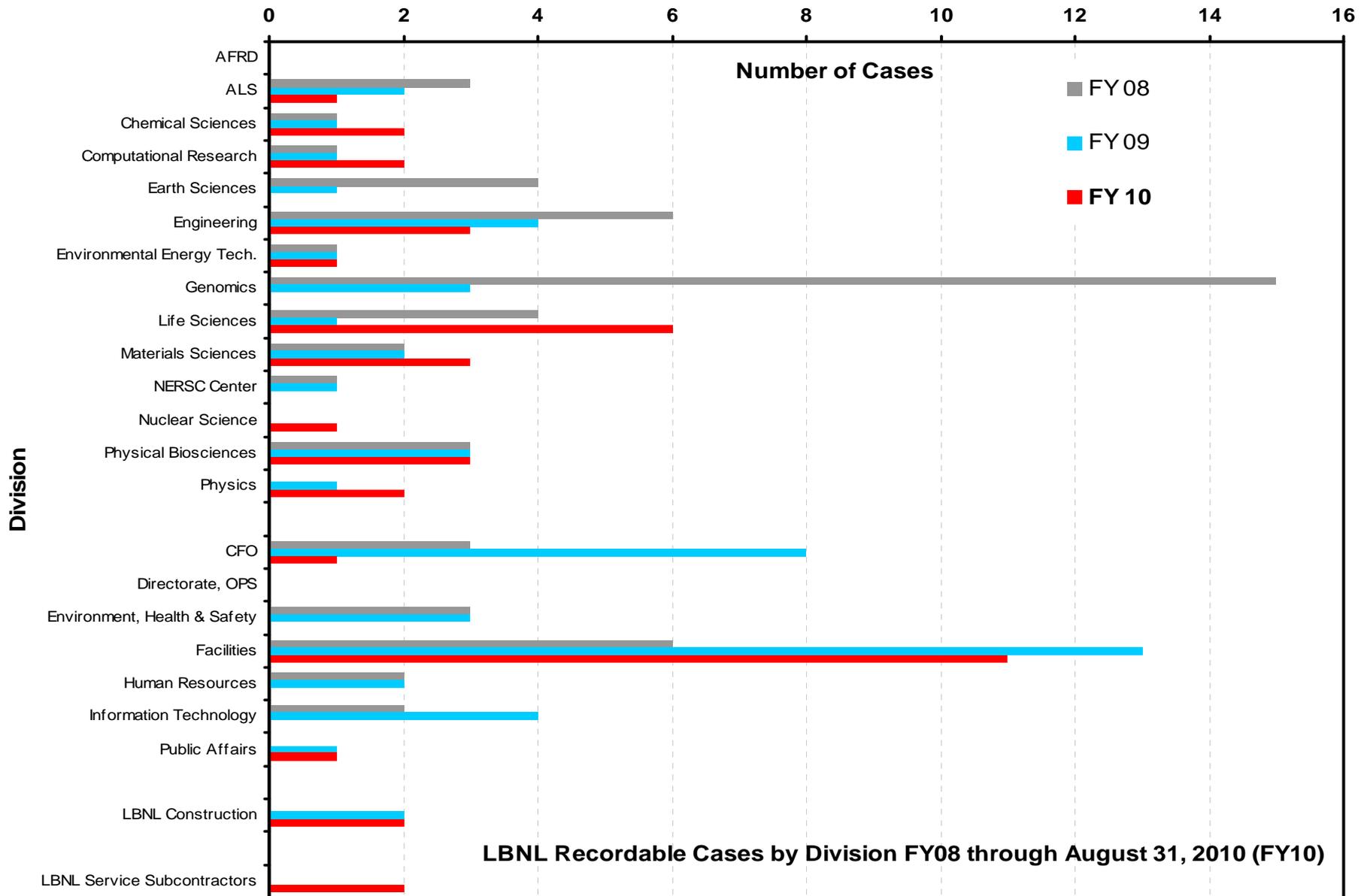
- Graduate Student Research Asst – Scratched fingers
  - While opening the inner glass door of a new incubator, the glass shattered and the falling glass scratched employees fingers.
- Pr. Subcontracts Administrator – Repetitive strain of hand
  - Attributed to heavy keyboard and mouse use.

# LBNL Recordable Cases FY07 through August 31, 2010 (FY10)

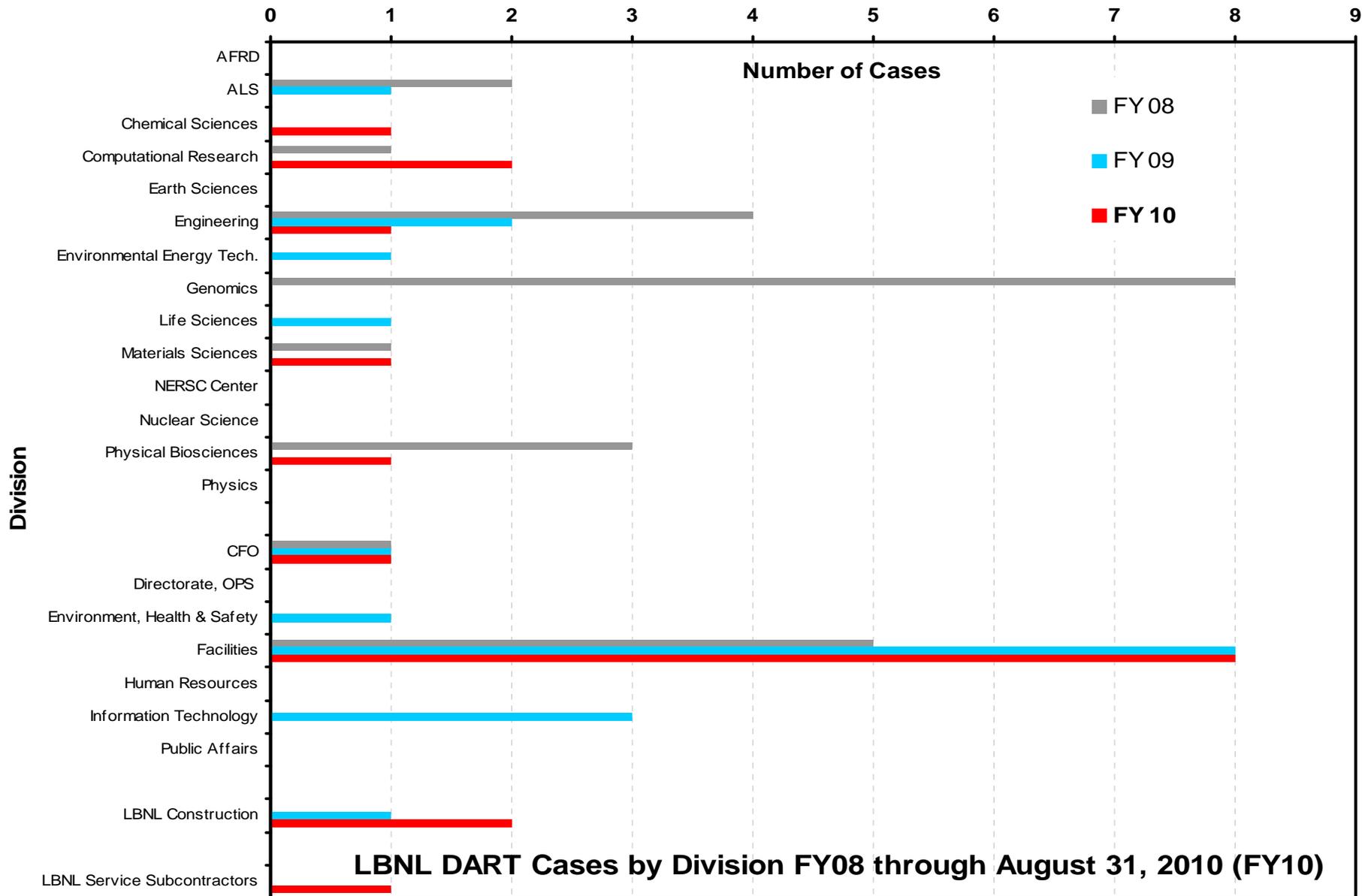


# LBL DART Cases FY07 through August 31, 2010 (FY10)





**LBNL Recordable Cases by Division FY08 through August 31, 2010 (FY10)**

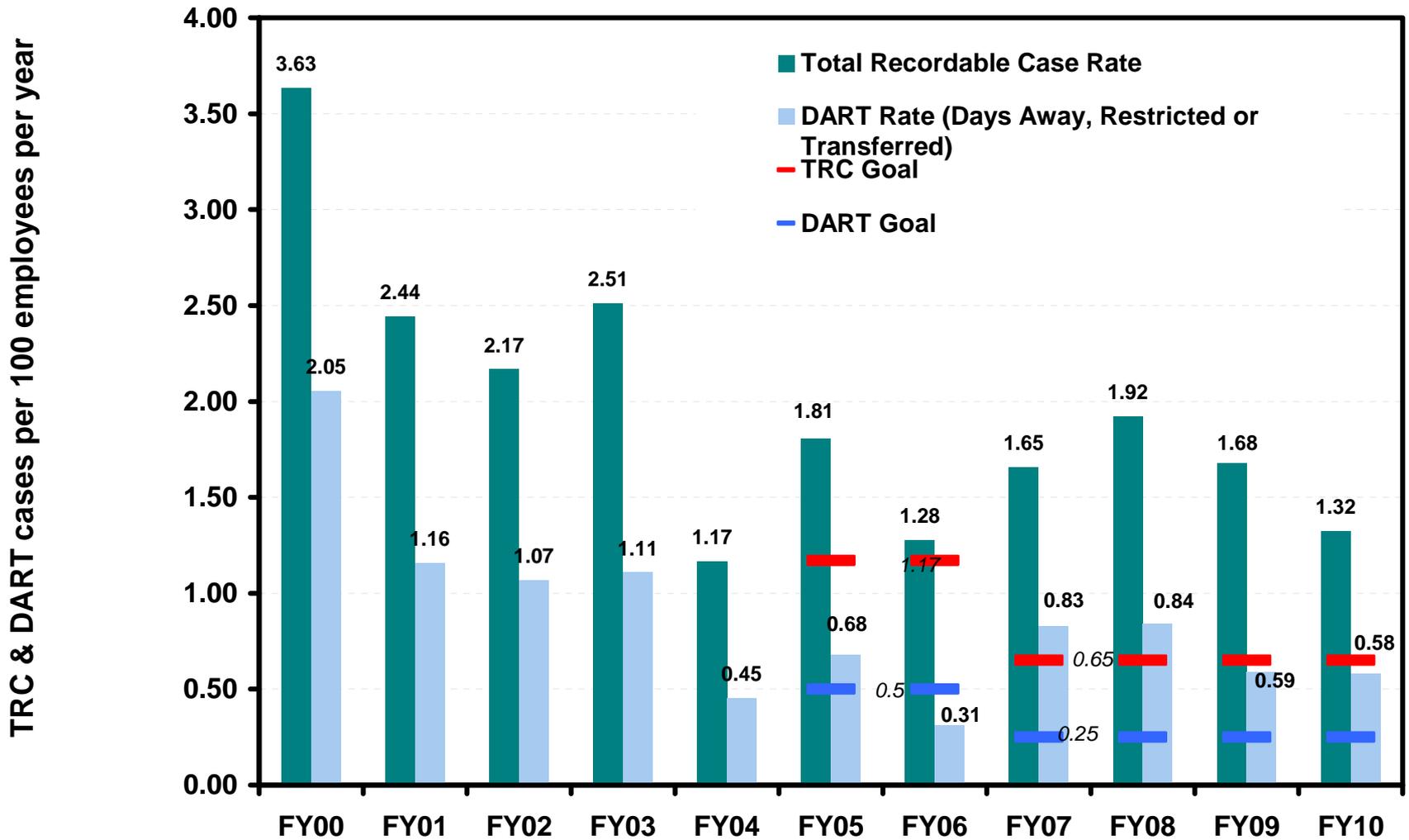


**LBNL DART Cases by Division FY08 through August 31, 2010 (FY10)**

# Berkeley Lab Site-Wide TRC & DART Rates

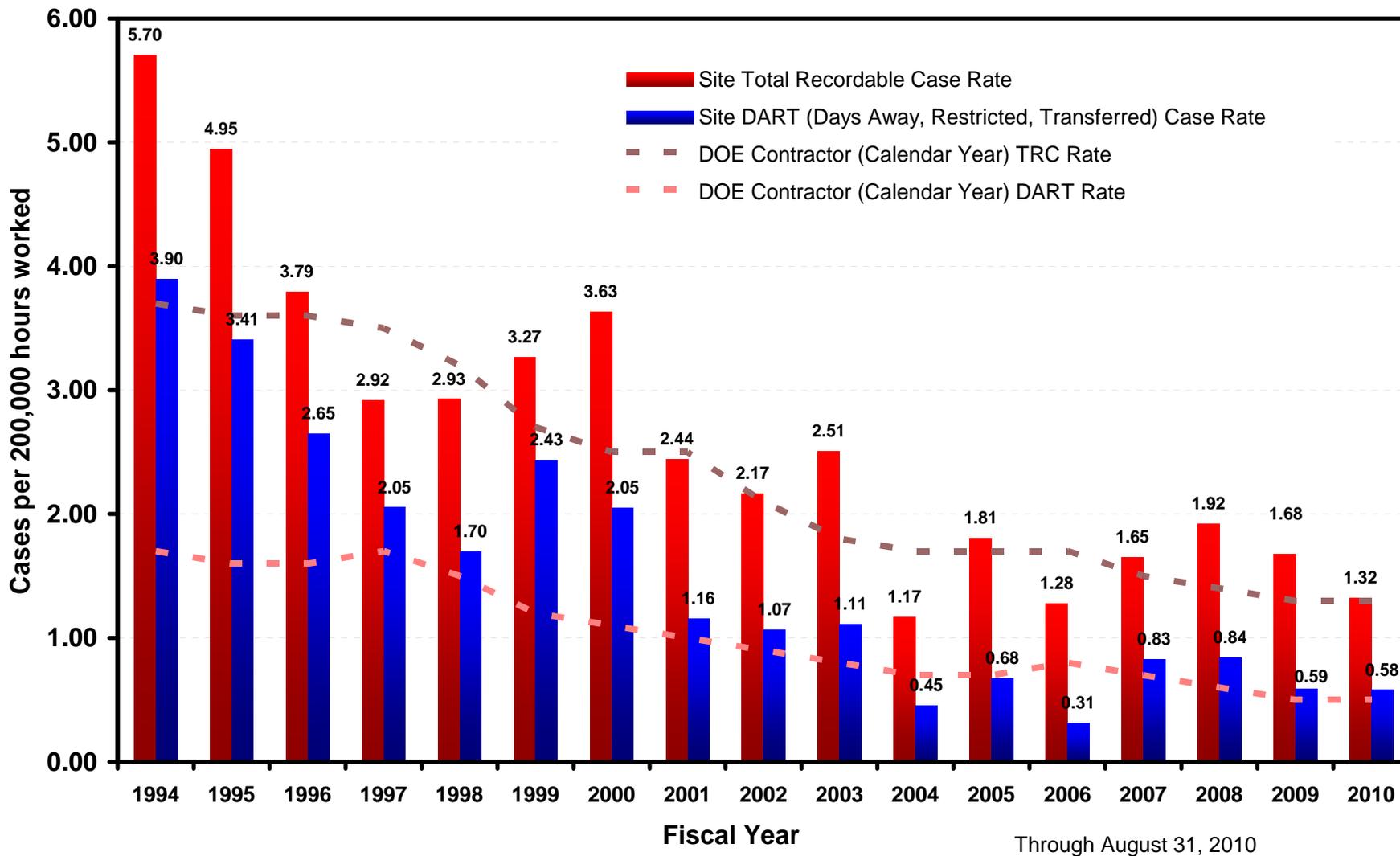
(Includes all Construction and Service Contractors)

Through August 31, 2010



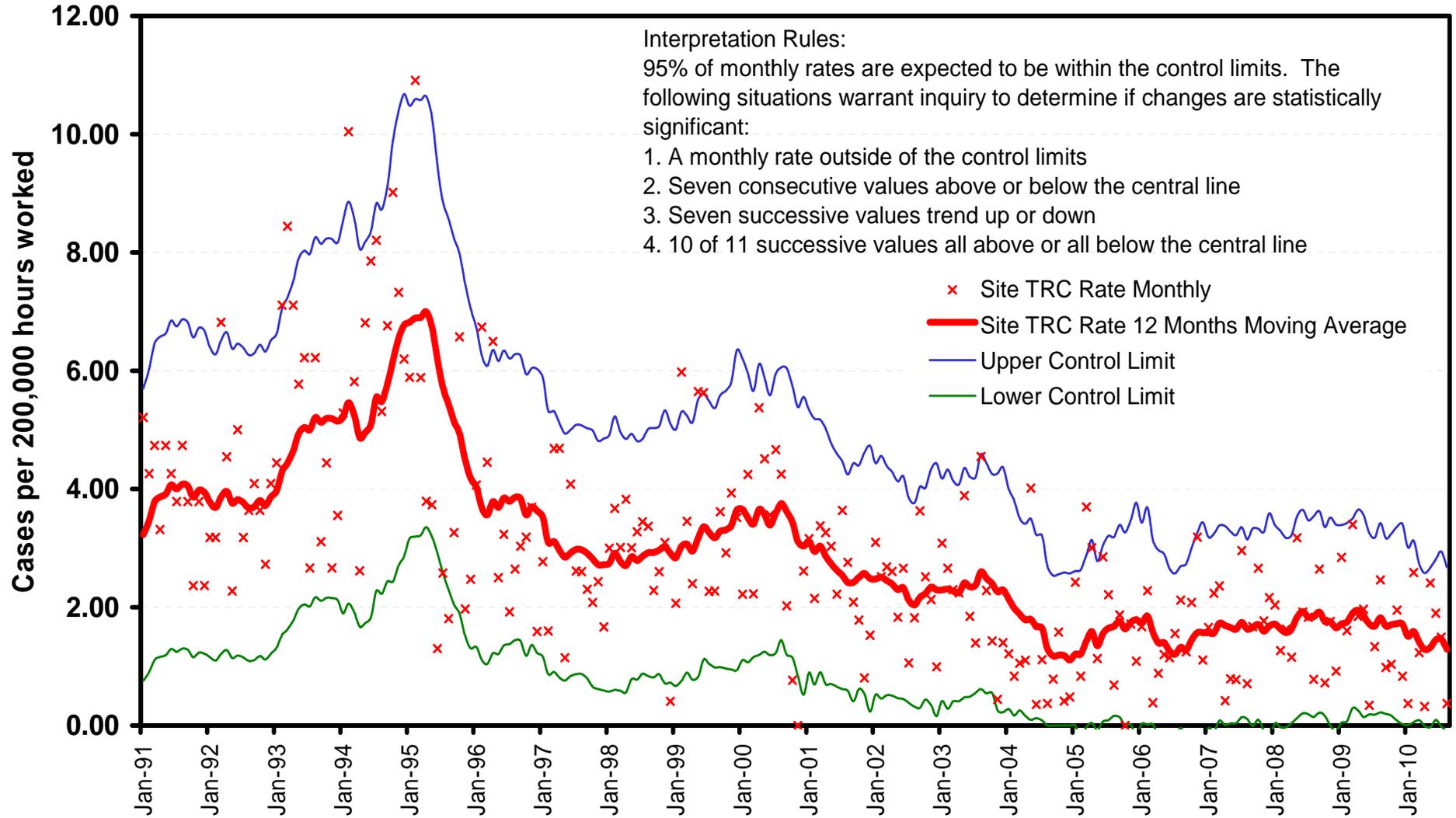
# LBNL vs DOE Contractor Rates

## Berkeley Lab Site Accident Rates



# Long Term Injury Rates - TRC

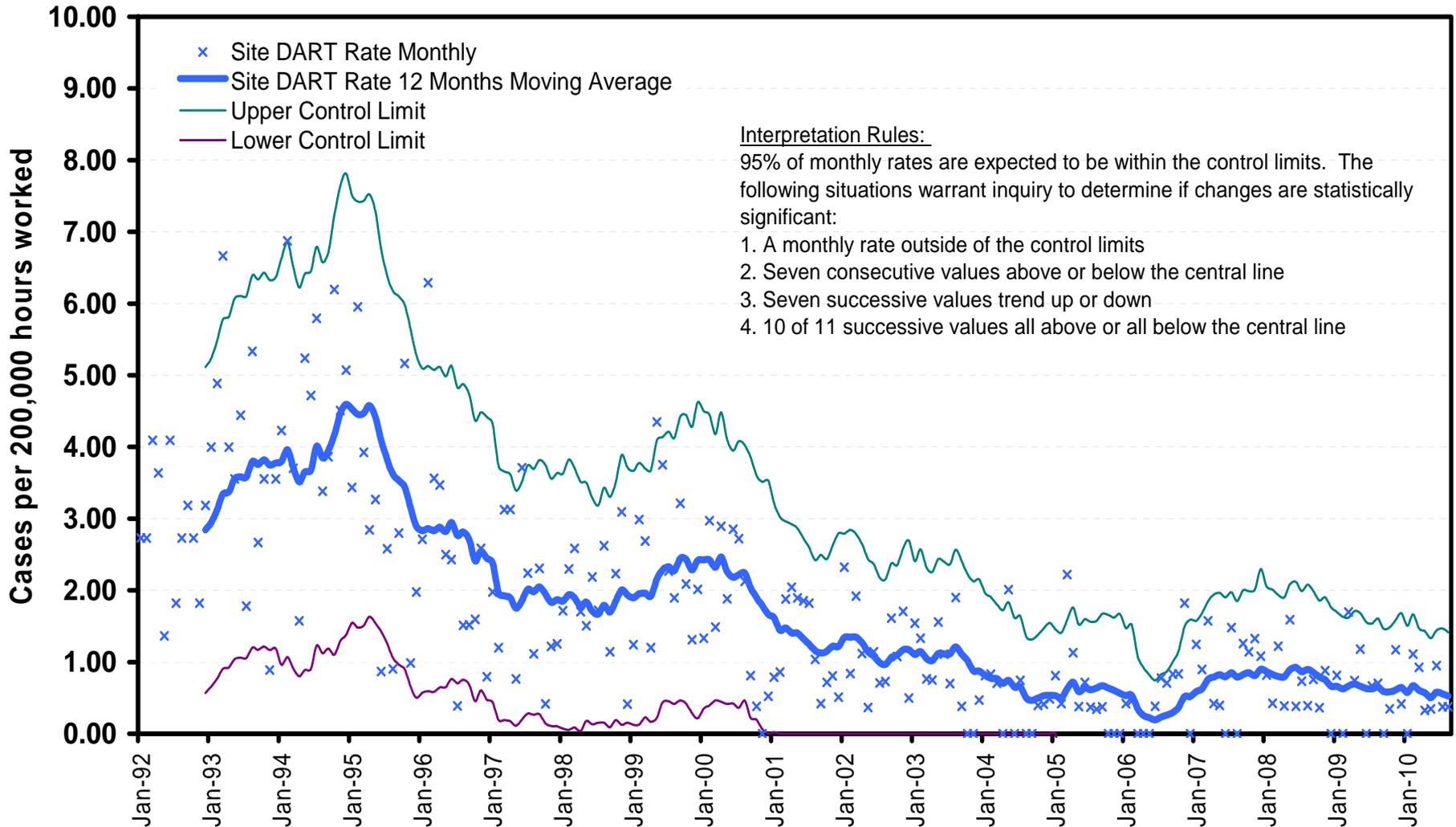
Berkeley Lab Total Recordable Case Rates With Control Limits At 95% Confidence Level



Through August 31, 2010

# Long Term Injury Rates - DART

Berkeley Lab DART Rates With Control Limits At 95% Confidence Level  
(Cases with Days Away, Restricted or Transferred)



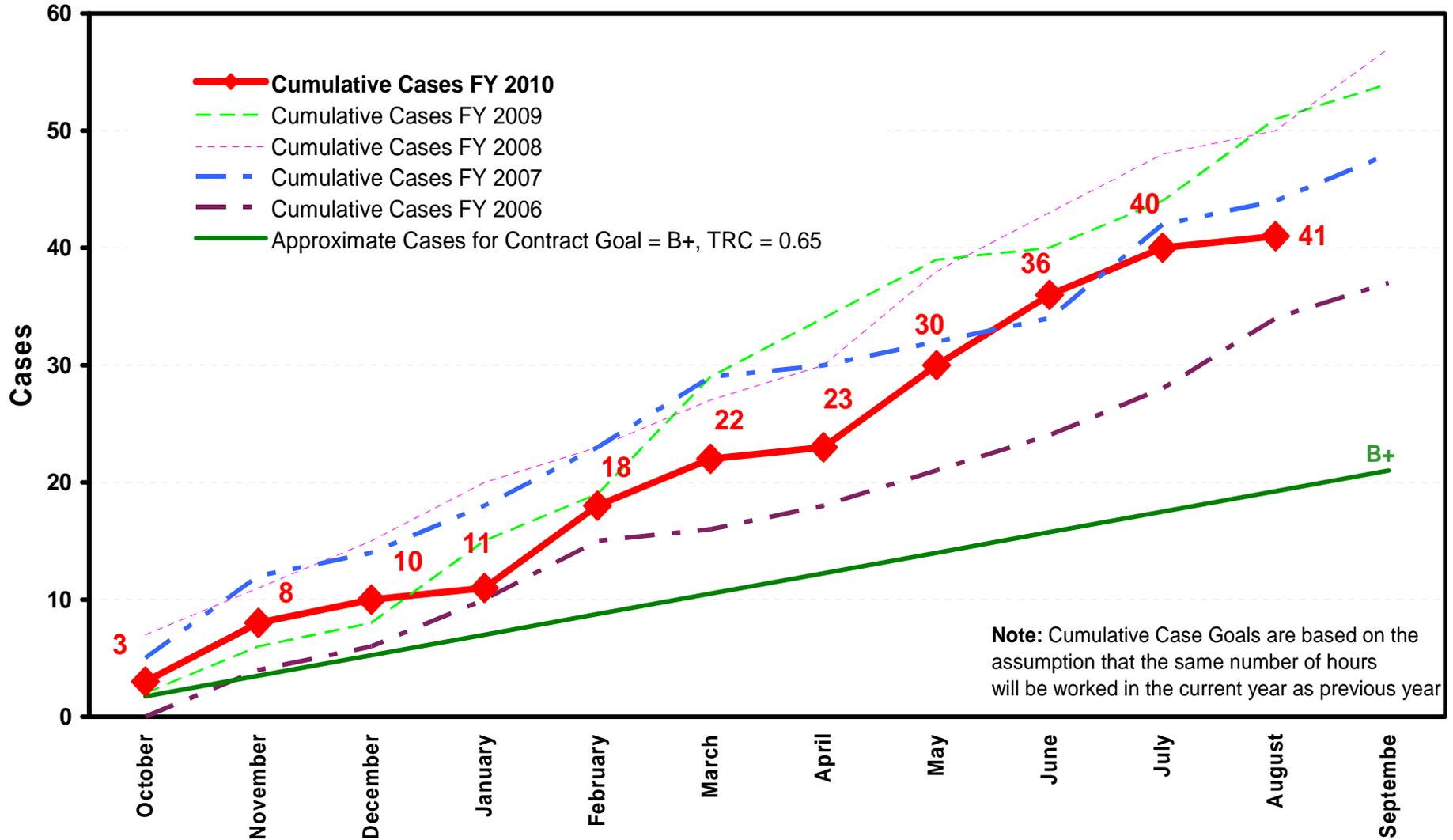
### Interpretation Rules:

- 95% of monthly rates are expected to be within the control limits. The following situations warrant inquiry to determine if changes are statistically significant:
1. A monthly rate outside of the control limits
  2. Seven consecutive values above or below the central line
  3. Seven successive values trend up or down
  4. 10 of 11 successive values all above or all below the central line

Through August 31, 2010

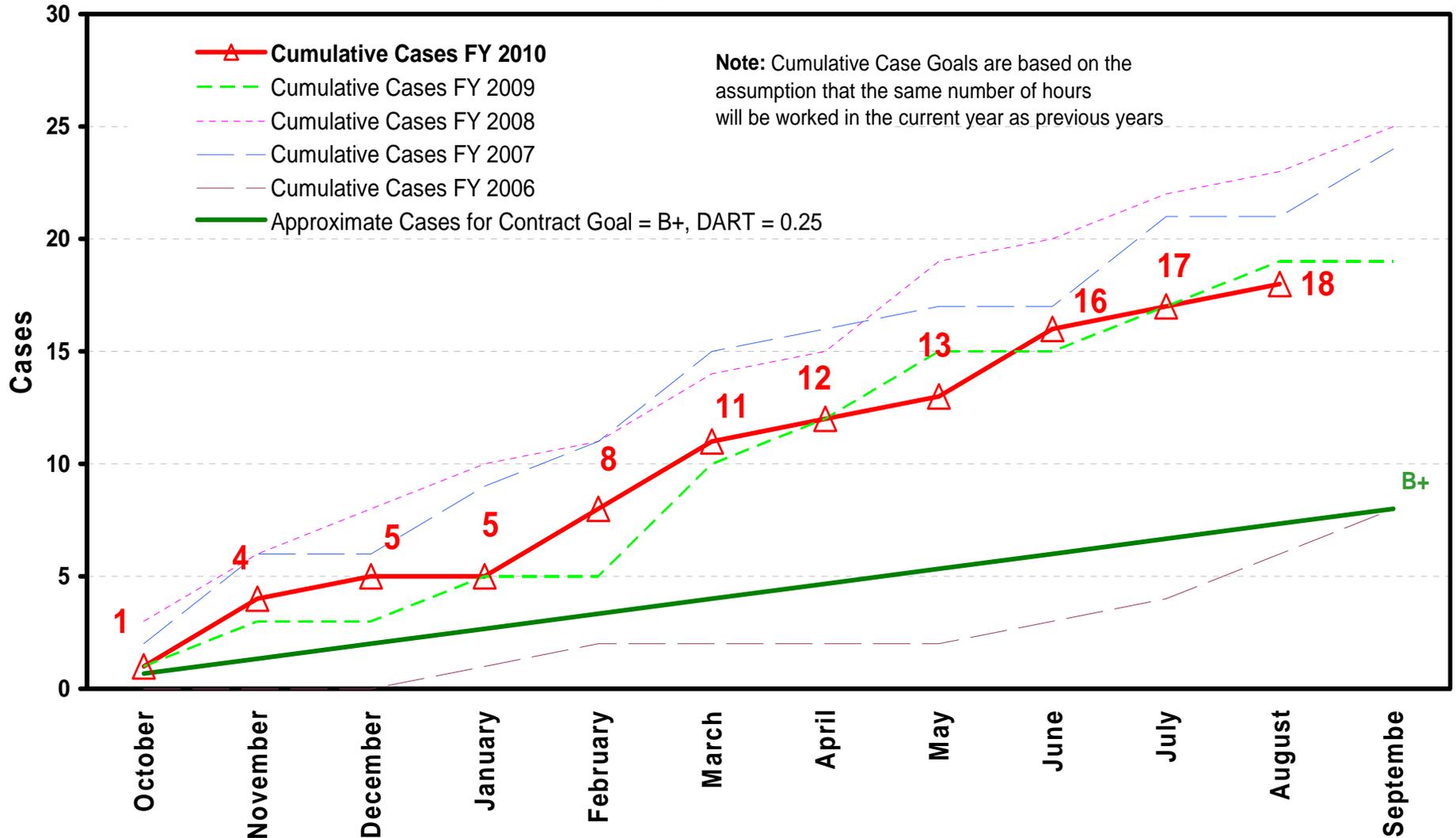
# Performance vs Contract Goals - TRC

Berkeley Lab and Contractors  
 Cumulative Total Recordable Cases  
 By Fiscal Year

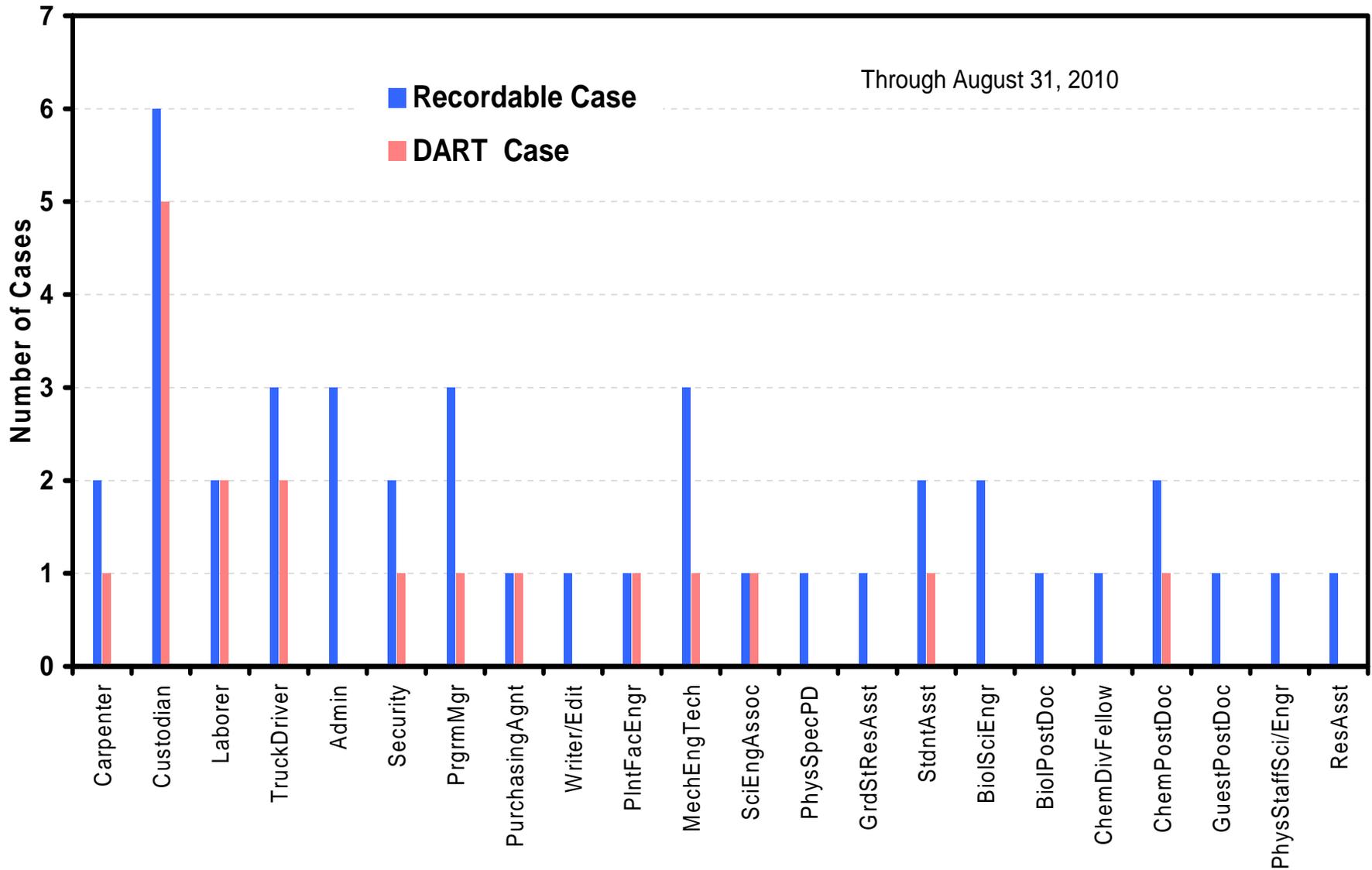


# Performance vs Contract Goals - DART

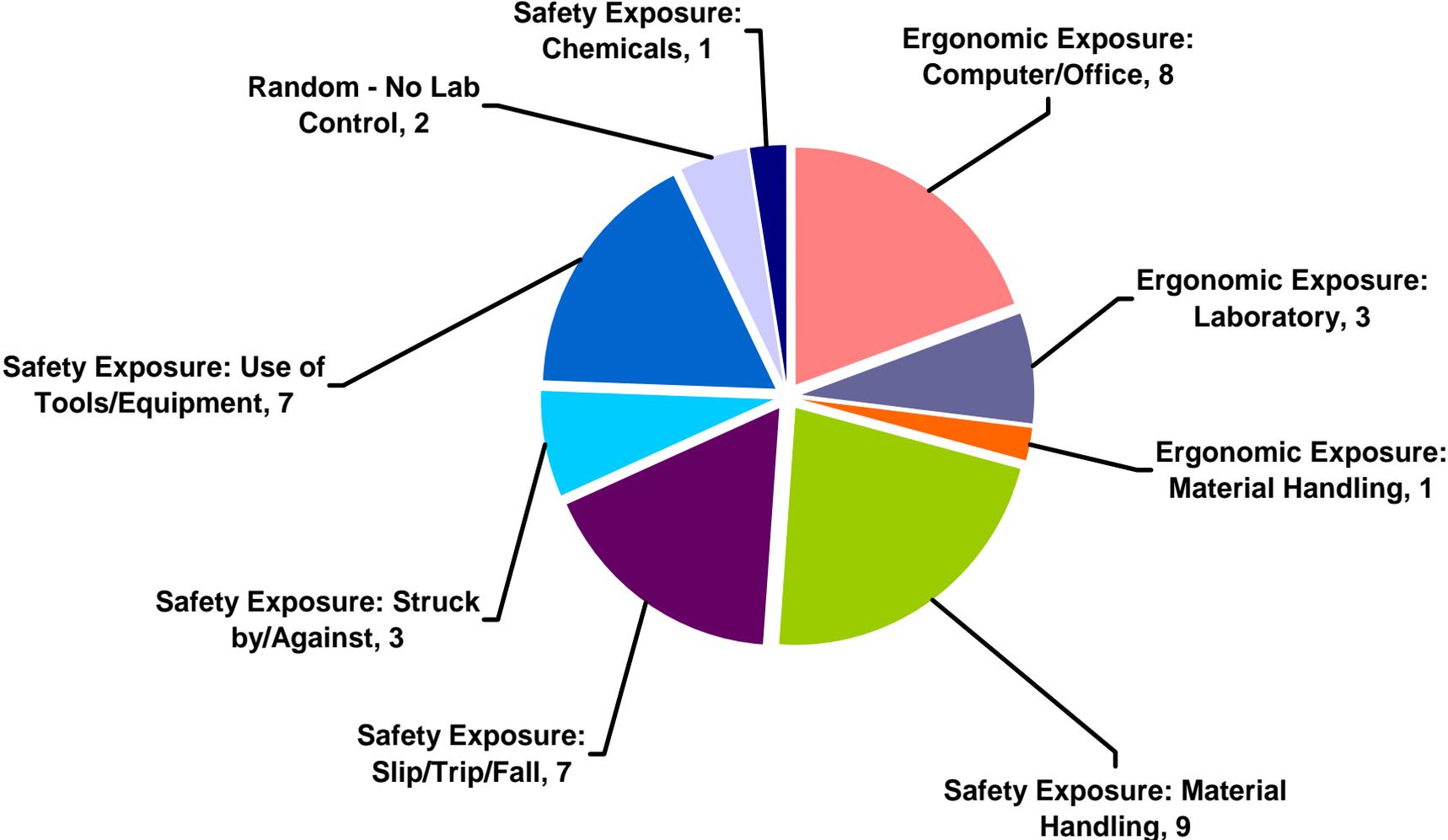
Berkeley Lab and Contractors  
 Cumulative DART (Days Away, Restricted, Transferred) Cases  
 By Fiscal Year



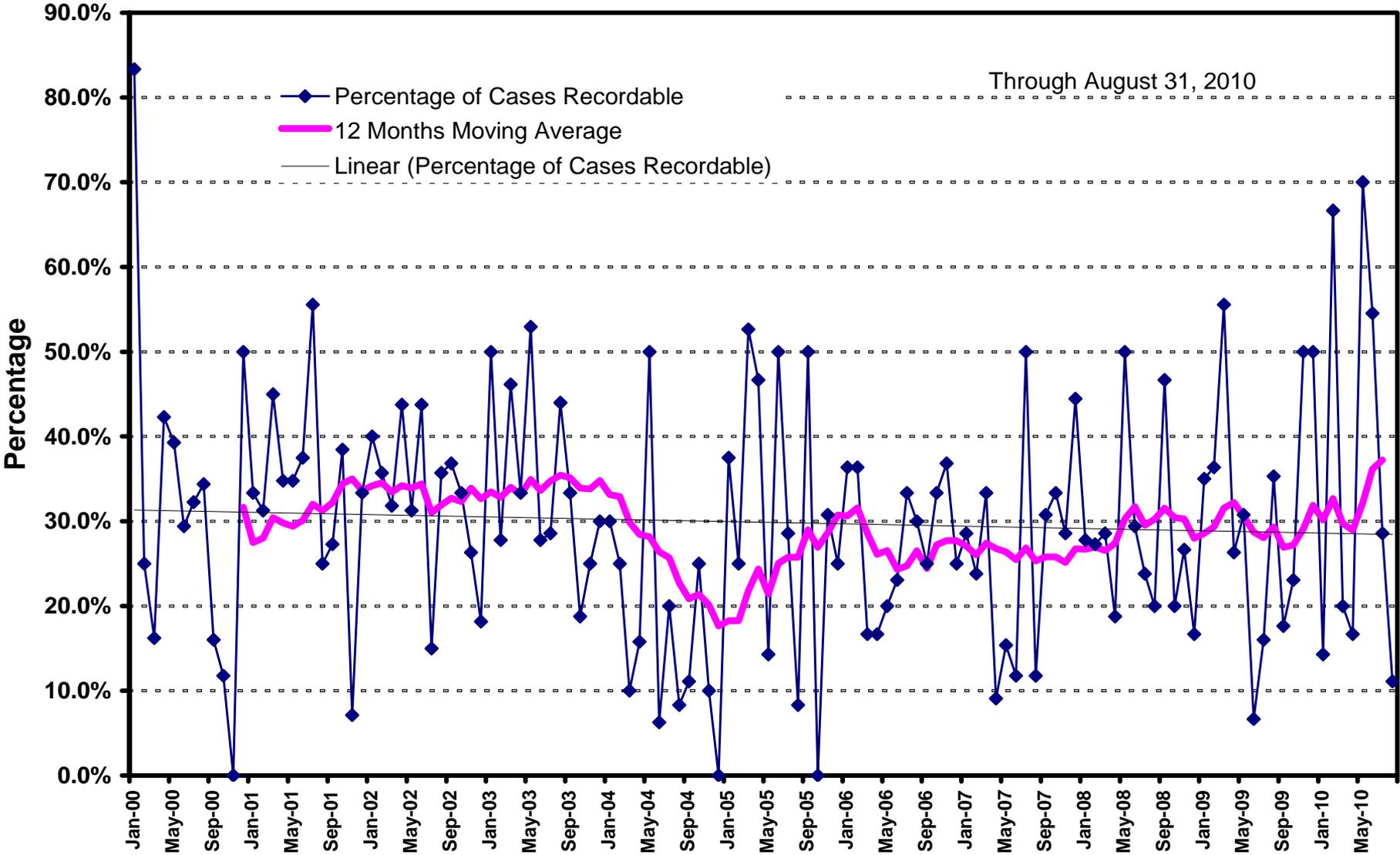
# Recordable and DART Cases by Job Classification



# Recordable Injury Categories and Causes FY10 through August 31, 2010

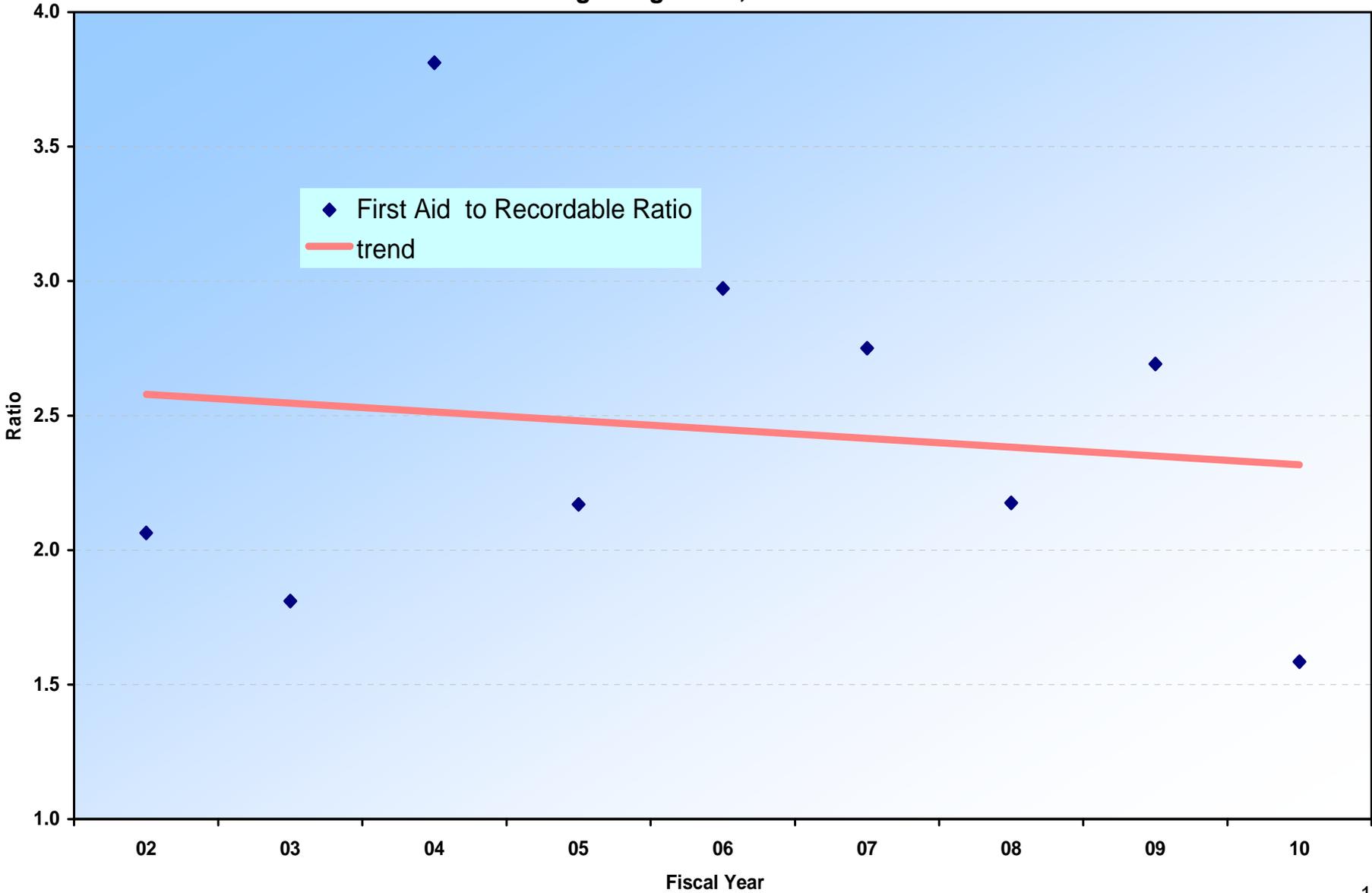


# Percentage of All Injuries Reported That Are Recordable Monthly, 12 Month Moving Average, Trend since 1/1/2000

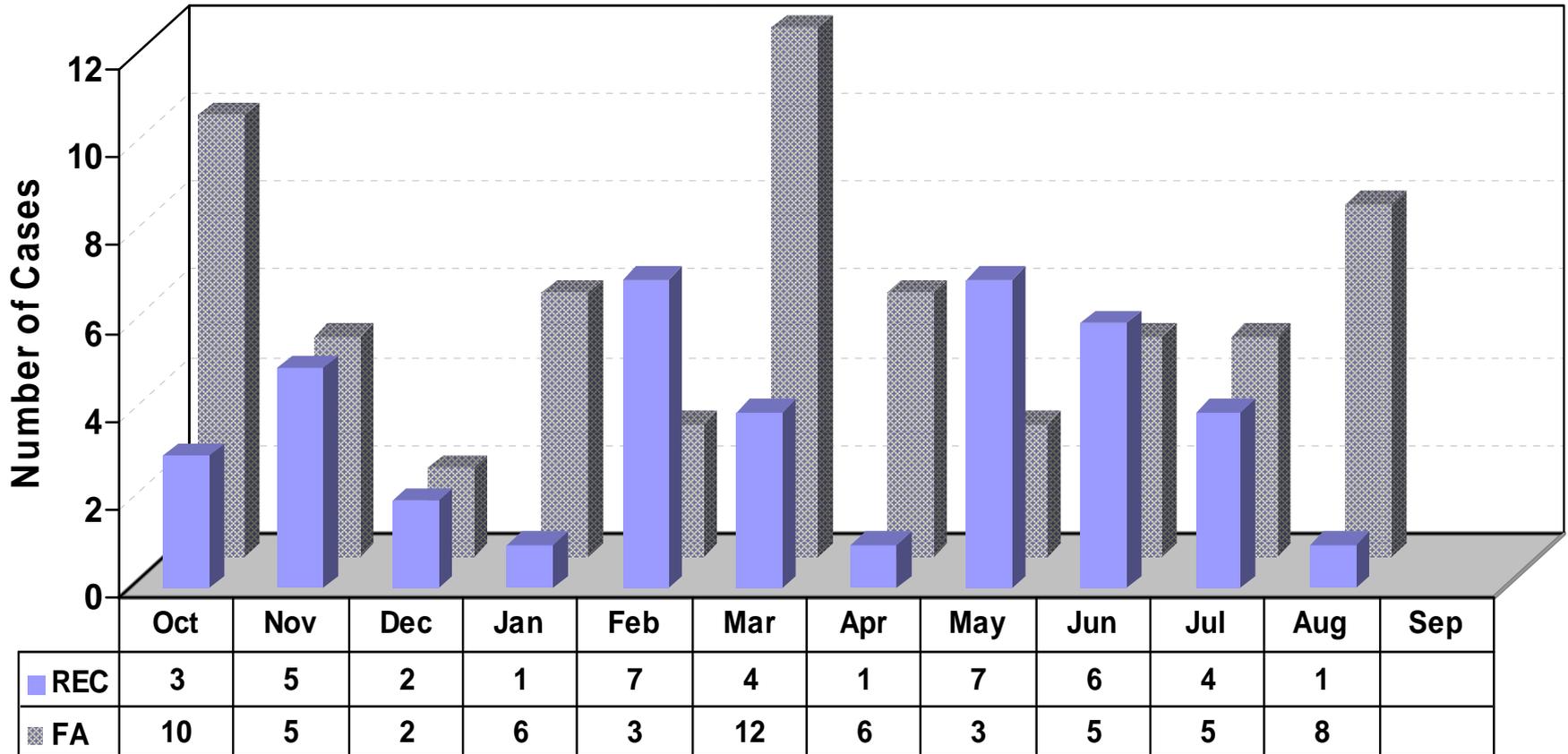


# First Aid to Recordable Case Ratio

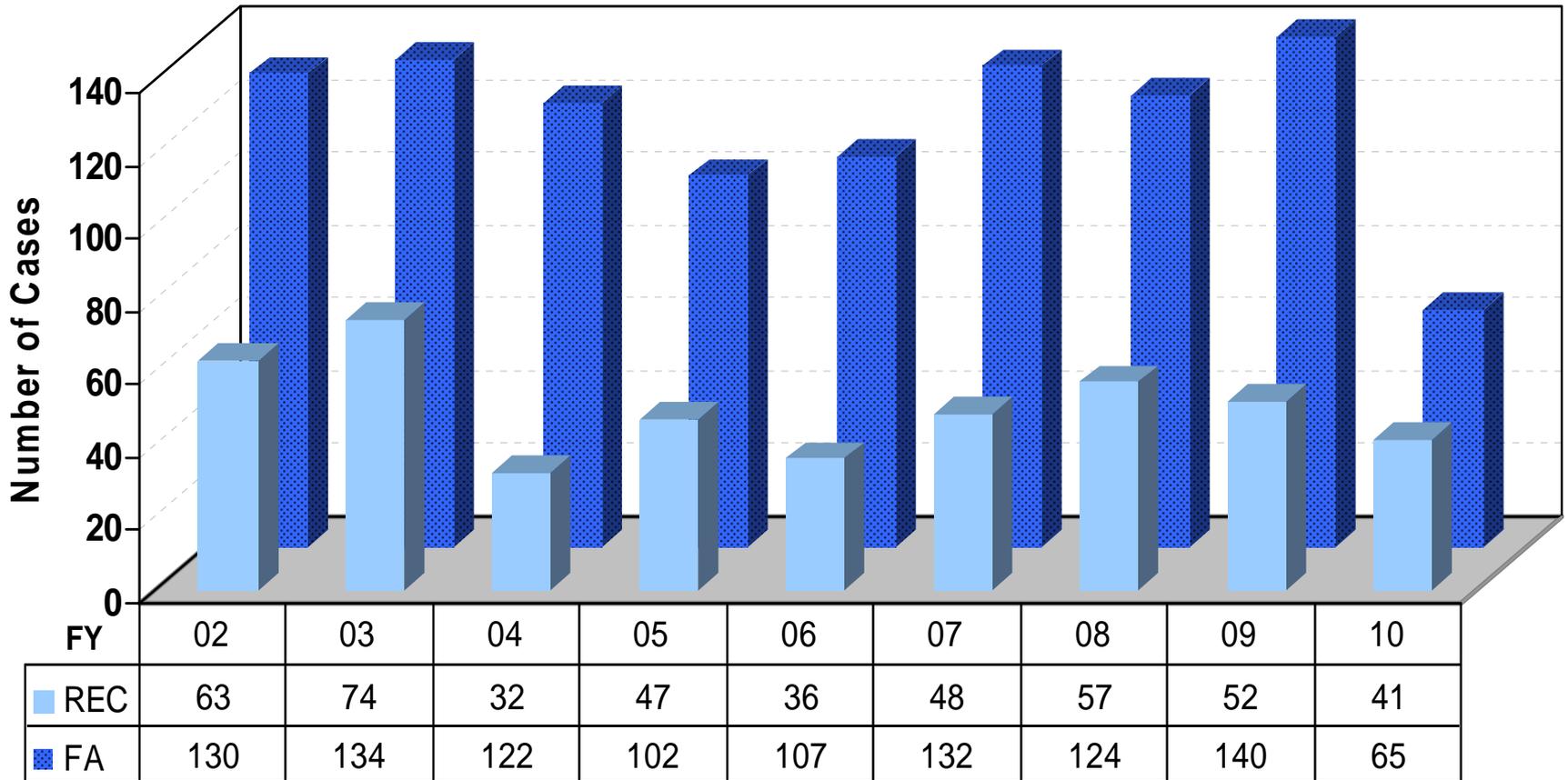
through August 31, 2010



## FY2010 First Aid to Recordable Comparison through August 31, 2010



## FY02 to FY2010 First Aid to Recordable Comparison through August 31, 2010



# LBNL Total Recordable Cases October 1, 2009 - September 30, 2010 (FY10)

	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Contract Goal TRC = 0.65	Total YTD	
<b>LBNL Research</b>															
<b>Computing Sciences</b>	0	0	0	0	0	0	0	1	0	0	1	0	1	2	
Computational Research	0	0	0	0	0	0	0	1	0	0	1	0		2	
NERSC Center	0	0	0	0	0	0	0	0	0	0	0	0		0	
<b>General Sciences</b>	0	2	0	0	2	0	0	1	0	1	0	0	3	6	
AFRD	0	0	0	0	0	0	0	0	0	0	0	0		0	
Engineering	0	1	0	0	2	0	0	0	0	0	0	0		3	
Nuclear Science	0	1	0	0	0	0	0	0	0	0	0	0		1	
Physics	0	0	0	0	0	0	0	1	0	1	0	0		2	
<b>Life &amp; Environmental Sciences</b>	0	0	1	0	1	0	0	1	3	0	0	0	4	6	
Earth Sciences	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	1	0	1	0	0	1	3	0	0	0		6	
<b>Physical Sciences</b>	1	2	0	1	0	2	0	3	1	0	0	0	5	10	
ALS	0	0	0	0	0	0	0	1	0	0	0	0		1	
Chemical Sciences	0	0	0	0	0	1	0	1	0	0	0	0		2	
Environmental Energy Tech.	0	0	0	0	0	0	0	1	0	0	0	0		1	
Materials Sciences	1	1	0	0	0	0	0	0	1	0	0	0		3	
Physical Biosciences	0	1	0	1	0	1	0	0	0	0	0	0		3	
<b>LBNL Research Sub-Total</b>	1	4	1	1	3	2	0	6	4	1	1	0	13	24	
<b>LBNL Support</b>															
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0		0	
Facilities	2	1	1	0	2	1	1	1	2	0	0	0		11	
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	1	0	0		1	
CFO	0	0	0	0	1	0	0	0	0	0	0	0		1	
Directorate	0	0	0	0	0	0	0	0	0	0	0	0		0	
<b>LBNL Support Sub-Total</b>	2	1	1	0	3	1	1	1	2	1	0	0	4	13	
<b>LBNL Total</b>	3	5	2	1	6	3	1	7	6	2	1	0	17	37	
<b>LBNL Construction</b>	0	0	0	0	1	1	0	0	0	0	0	0	0	2	
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	2	0	0	1	2	
<b>Site Grand Total</b>	3	5	2	1	7	4	1	7	6	4	1	0	18	41	
<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 8/31/10

Notes: Projections assume that hours worked will remain constant

# LBNL DART (Days Away, Restricted, Transferred) Cases October 1, 2009 - September 30, 2010 (FY10)

	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Contract Goal DART = 0.25	Total YTD	
<b>LBNL Research</b>															
<b>Computing Sciences</b>	0	0	0	0	0	0	0	1	0	0	1	0	0	2	
Computational Research	0	0	0	0	0	0	0	1	0	0	1	0		2	
NERSC Center	0	0	0	0	0	0	0	0	0	0	0	0		0	
<b>General Sciences</b>	0	1	0	0	0	0	0	0	0	0	0	0	1	1	
AFRD	0	0	0	0	0	0	0	0	0	0	0	0		0	
Engineering	0	1	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>Life &amp; Environmental Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
Earth Sciences	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	
<b>Physical Sciences</b>	0	1	0	0	0	1	0	0	1	0	0	0	2	3	
ALS	0	0	0	0	0	0	0	0	0	0	0	0		0	
Chemical Sciences	0	0	0	0	0	1	0	0	0	0	0	0		1	
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	1	0	0	0		1	
Physical Biosciences	0	1	0	0	0	0	0	0	0	0	0	0		1	
<b>LBNL Research Sub-Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>6</b>	
<b>LBNL Support</b>															
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0		0	
Facilities	1	1	1	0	1	1	1	0	2	0	0	0		8	
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	1	0	0	0	0	0	0	0		1	
Directorate	0	0	0	0	0	0	0	0	0	0	0	0		0	
<b>LBNL Support Sub-Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>9</b>	
<b>LBNL Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>15</b>	
<b>LBNL Construction</b>	0	0	0	0	1	1	0	0	0	0	0	0	0	2	
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
<b>Site Grand Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>18</b>	
<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+						

As of 8/31/10

Notes: Projections assume that hours worked will remain constant