

# **Berkeley Lab Accident Statistics Through September 30, 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 September 2010 Injury/Illness Cases

- Requisitions Assistant – Burn of finger
  - While clearing paper jam in fax machine, employee's finger contacted hot roller and suffered a blister (2<sup>nd</sup> degree burn).
- Material Specialist – Sprain and strain of left ankle joint
  - The employee's office chair rolls very easily on the smooth cement floor. To stand up from the chair, he propels himself vigorously forward and out of the chair. That quick movement required contributed to the employee turning his ankle and falling.

# Narrative of September 2010 Injury/Illness Cases

- Biologist Research Scientist/Engineer – Bilateral strain to cervical spine
  - The employee developed a severe neck strain after working long hours at a microscope that had been moved to a laboratory bench that did not allow ergonomically sustainable position.
- Student Assistant – Strained right knee joint
  - The employee slipped on steeply sloped, fog-dampened pavement in parking lot with some oil sheen while walking to work and strained right knee. There was no oil spill, just some drips from parked vehicles.

# Narrative of September 2010 Injury/Illness Cases

- Groundskeeper – Burn to right forearm
  - The employee burned the forearm on a hot exhaust while lifting a lawnmower into a pickup truck.
- Administrator – Multiple strains
  - The employee was sitting down at workstation. The chair slipped out from under the employee causing fall to floor. Putting weight on the edge of the extended chair pan caused the chair to pivot forward and roll out from under the employee. The chair tipped completely over as the employee fell to the floor.

# Narrative of September 2010 Injury/Illness Cases

- Carpenter – Laceration right 5<sup>th</sup> finger
  - While moving Steelcase desk parts, some of the parts were leaning vertically against a wall. As one of these pieces began to fall over, the employee tried to catch it and it caught his right little finger causing a minor cut.
- Distributed Purchasing Agent – Strain, right elbow
  - The employee suffered an injury due to multiple ergonomic issues. The mouse was too far from the body, and the phone handset was cradled between neck and shoulder while speaking on the telephone. The back of chair was missing bolts.

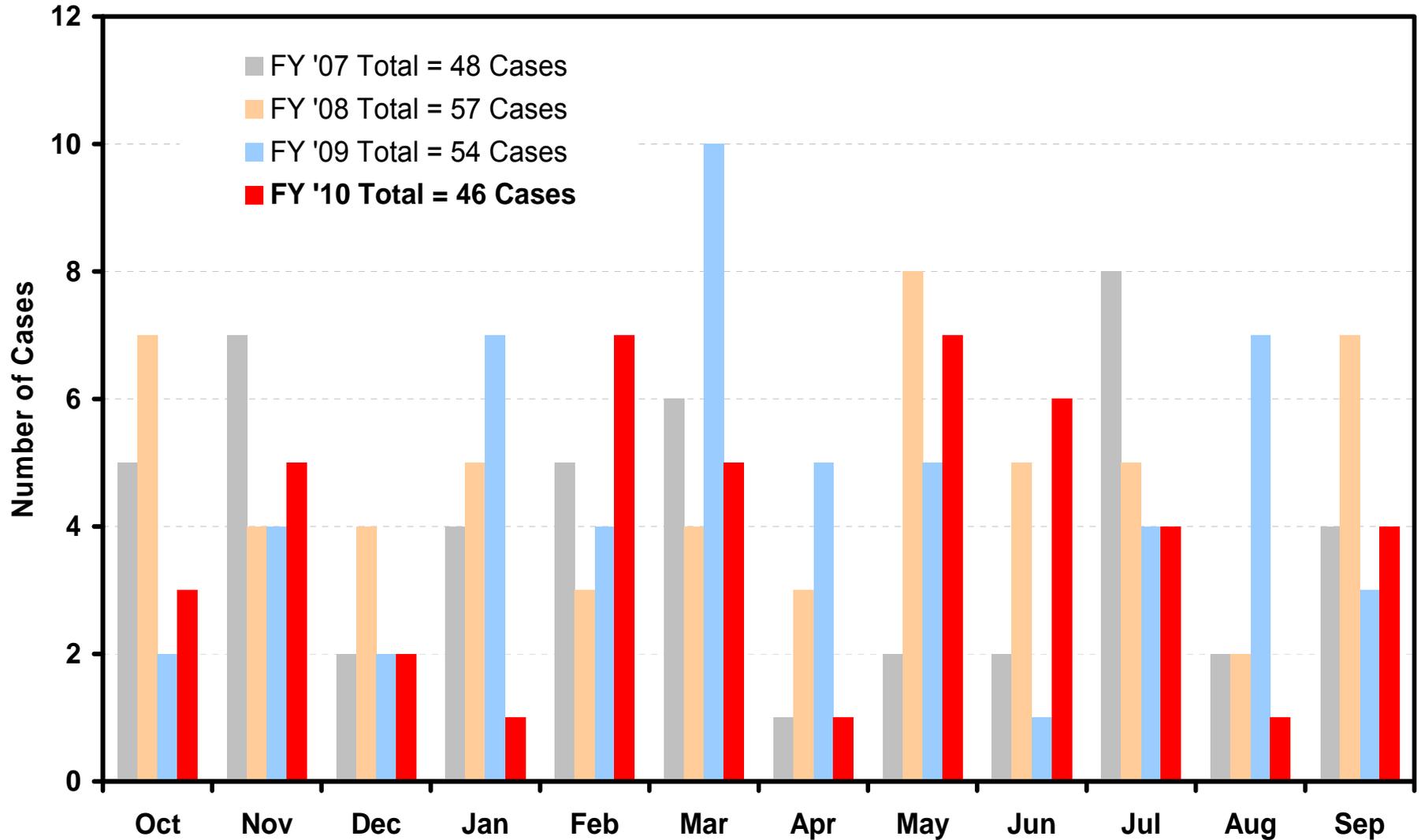
# Narrative of September 2010 Injury/Illness Cases

- Chemist PostDoc Fellow – Fractured right foot, sprained left ankle
  - The employee and colleague were in conversation while getting off shuttle bus. The employee had turned to look back at her colleague as she was descending the 3 steps down to exit. Her foot slipped over the edge of the 2nd step and she lost her balance. She landed awkwardly on the ground with the right foot rolling/twisting under her weight. The left foot was additionally traumatized trying to catch balance. She was not using the vertical grab bar at the edge of the bus door opening.

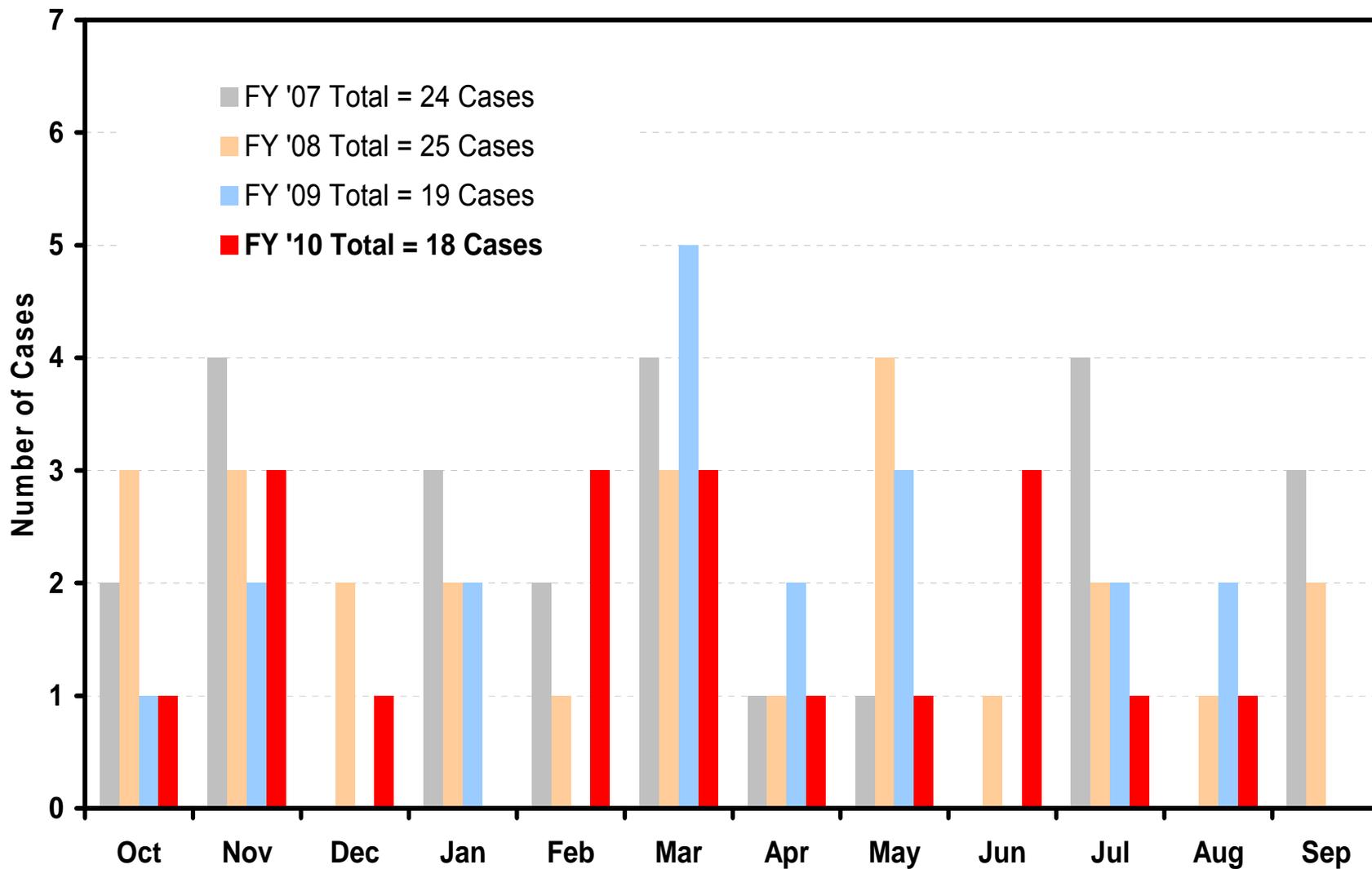
# Narrative of September 2010 Injury/Illness Cases

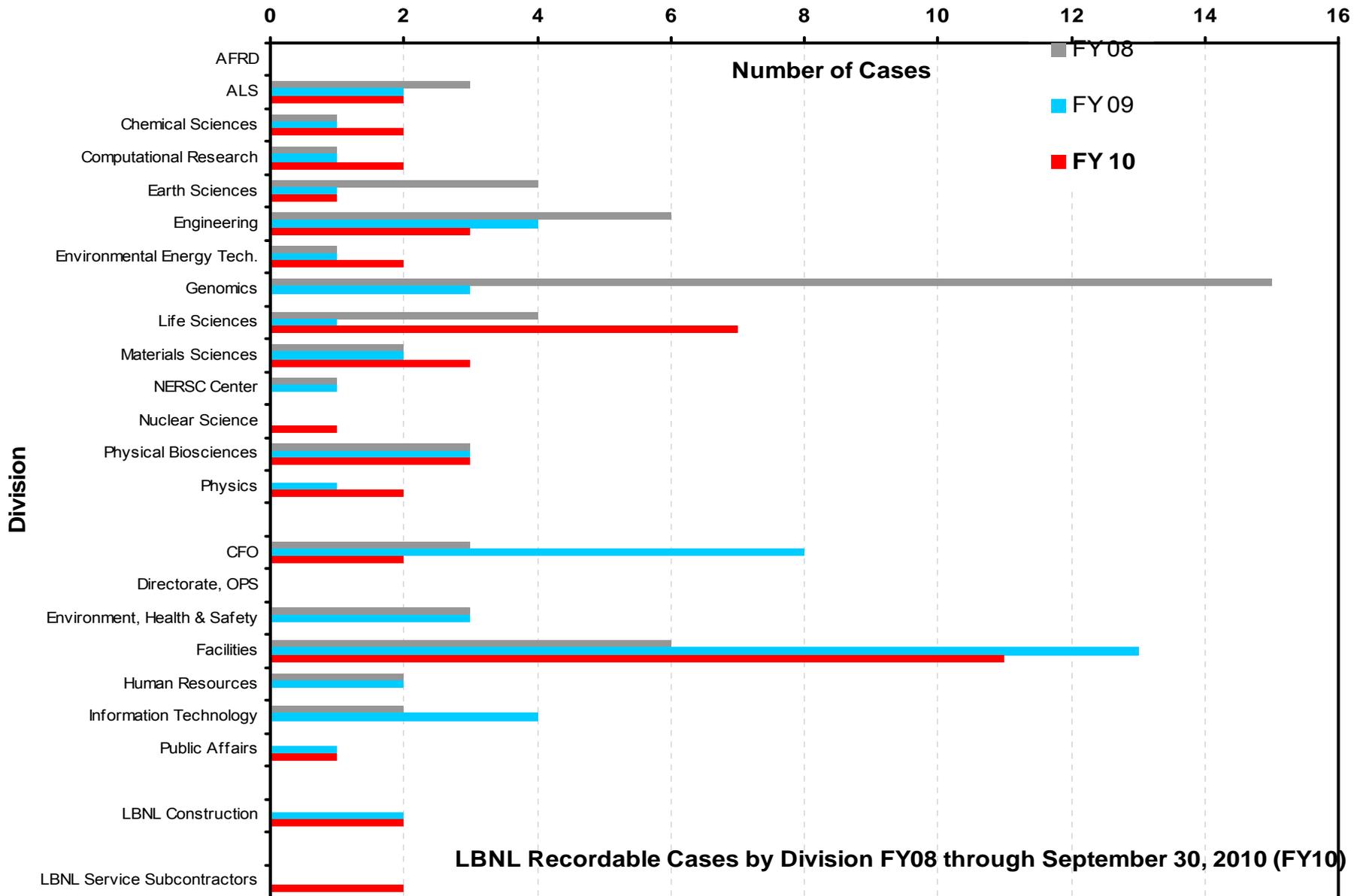
- Physicist Research Scientist/Engineer – Strain, left ankle
  - While descending stairwell the employee thought he was on the last step at the bottom of the staircase but was actually on the second to last step. He missed the last step, and strained the left ankle.
- Mechanical Engineering Associate – Health Screening
  - The employee worked adjacent to the tunneling process at Yucca Mountain during the 1990's. The employee is now monitored through medical surveillance program.

# LBL Recordable Cases FY07 through September 30, 2010 (FY10)

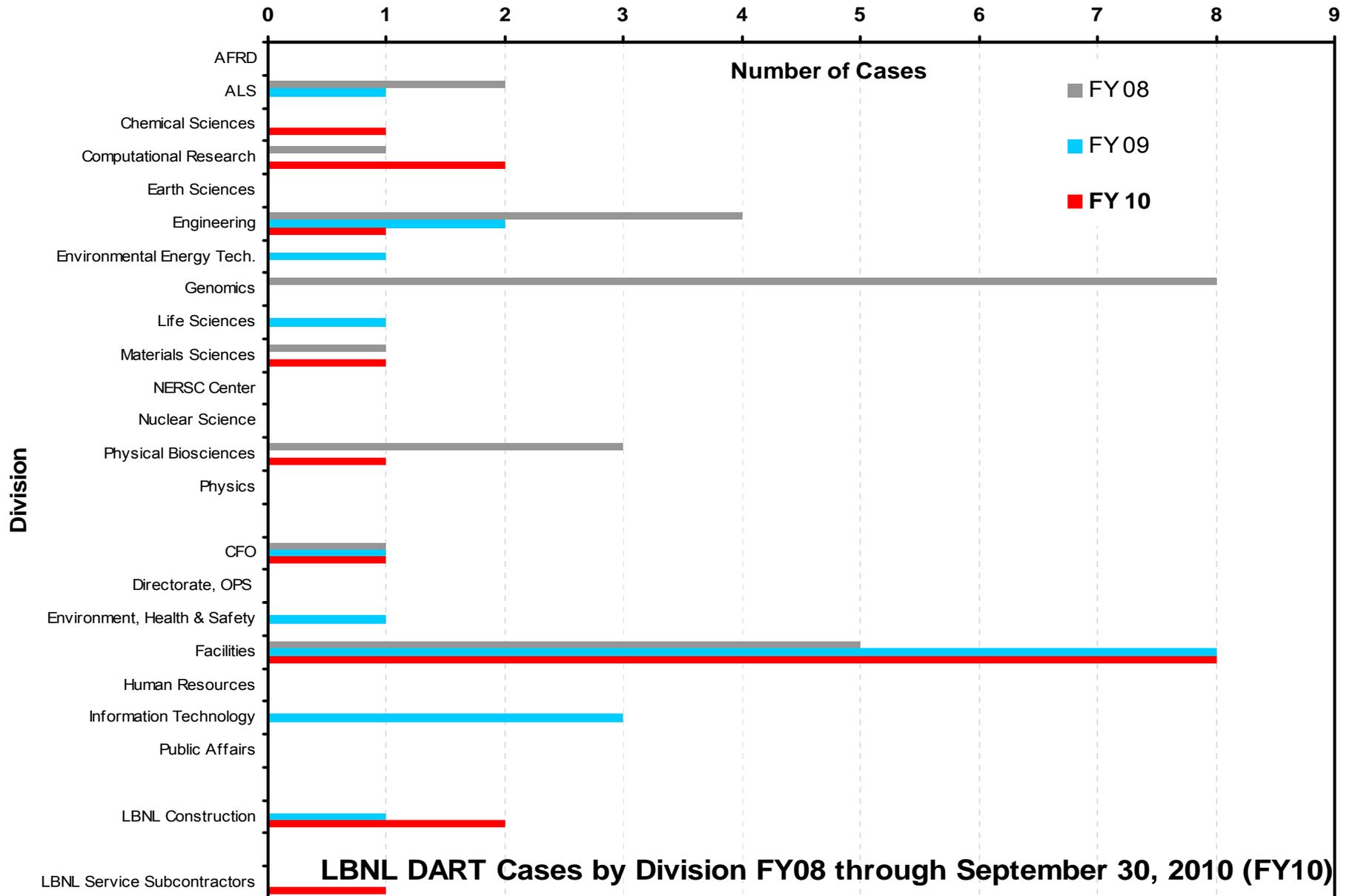


## LBNL DART Cases FY07 through September 30, 2010 (FY10)





**LBNL Recordable Cases by Division FY08 through September 30, 2010 (FY10)**

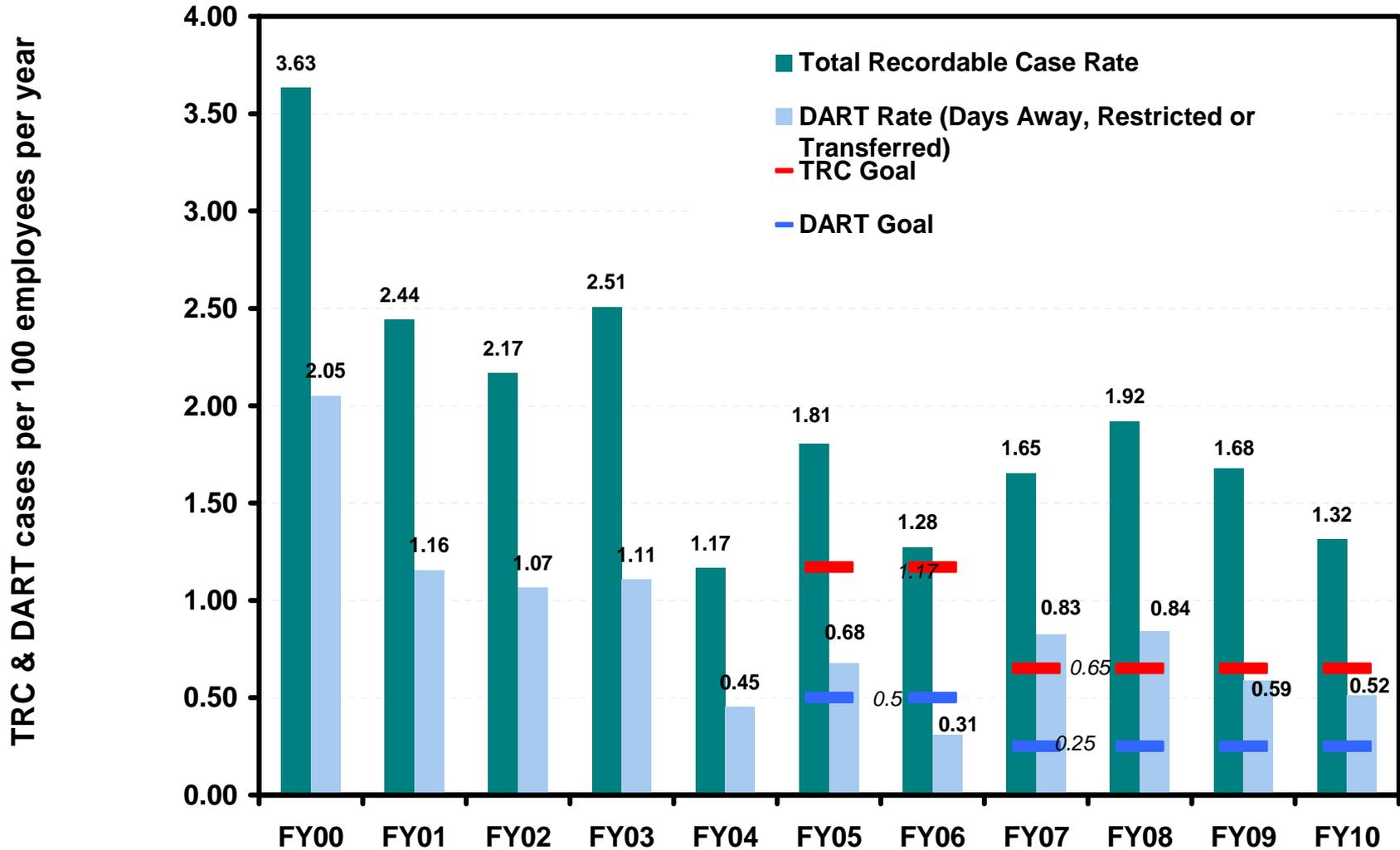


**LBNL DART Cases by Division FY08 through September 30, 2010 (FY10)**

# Berkeley Lab Site-Wide TRC & DART Rates

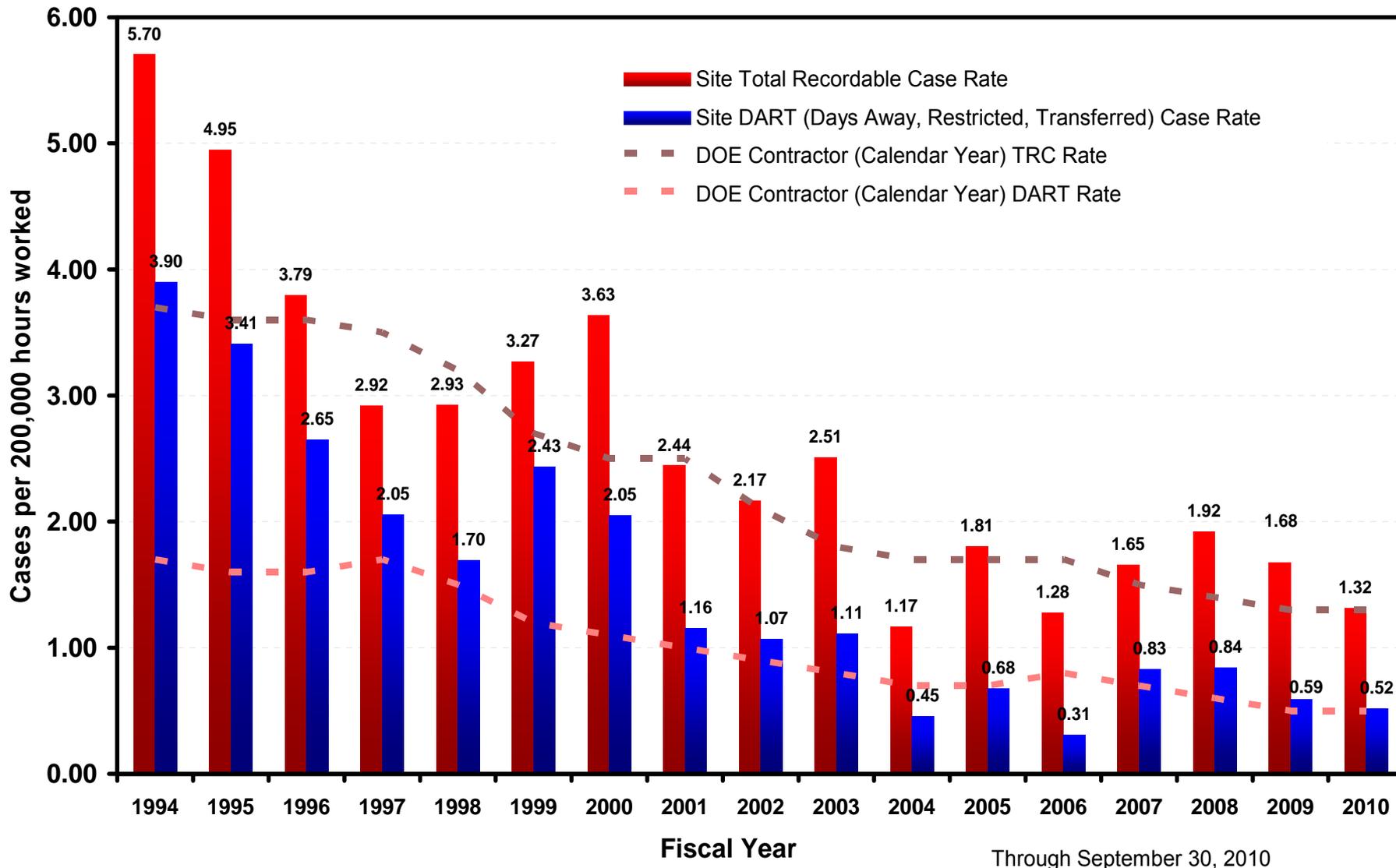
(Includes all Construction and Service Contractors)

Through September 30, 2010



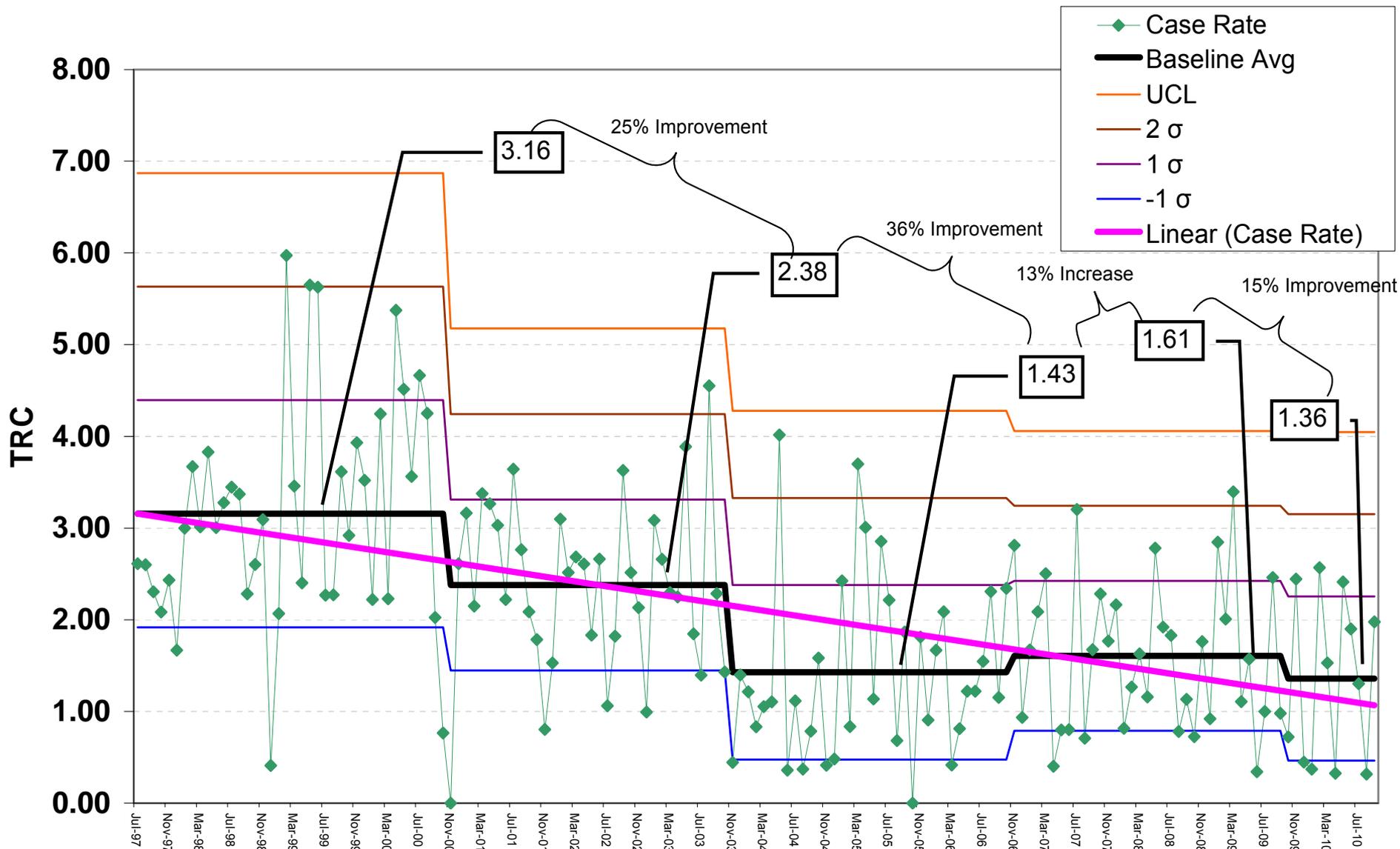
# LBNL vs DOE Contractor Rates

## Berkeley Lab Site Accident Rates

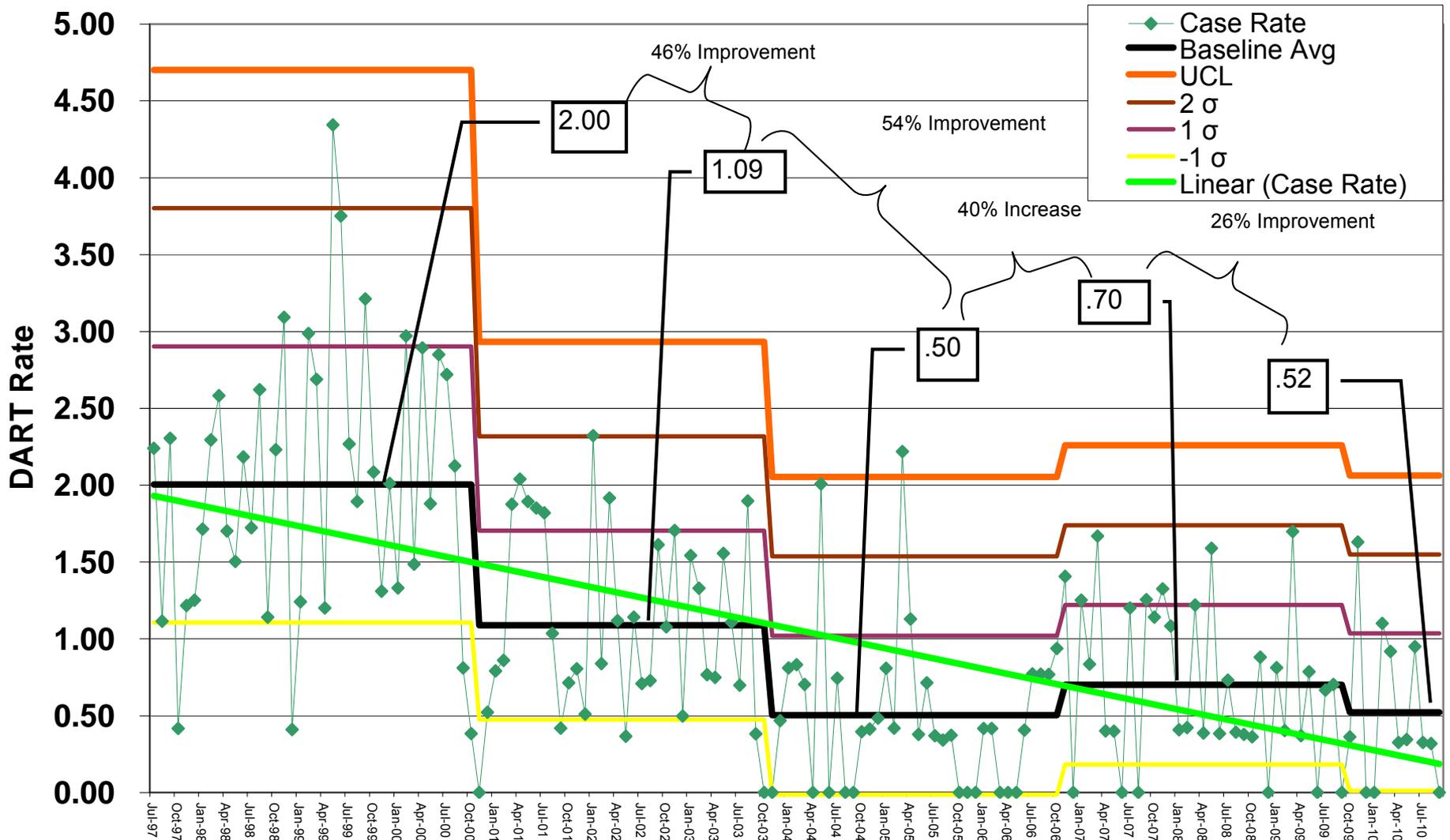


Through September 30, 2010

# TRC July '97 to September '10 Triennial Baselineing

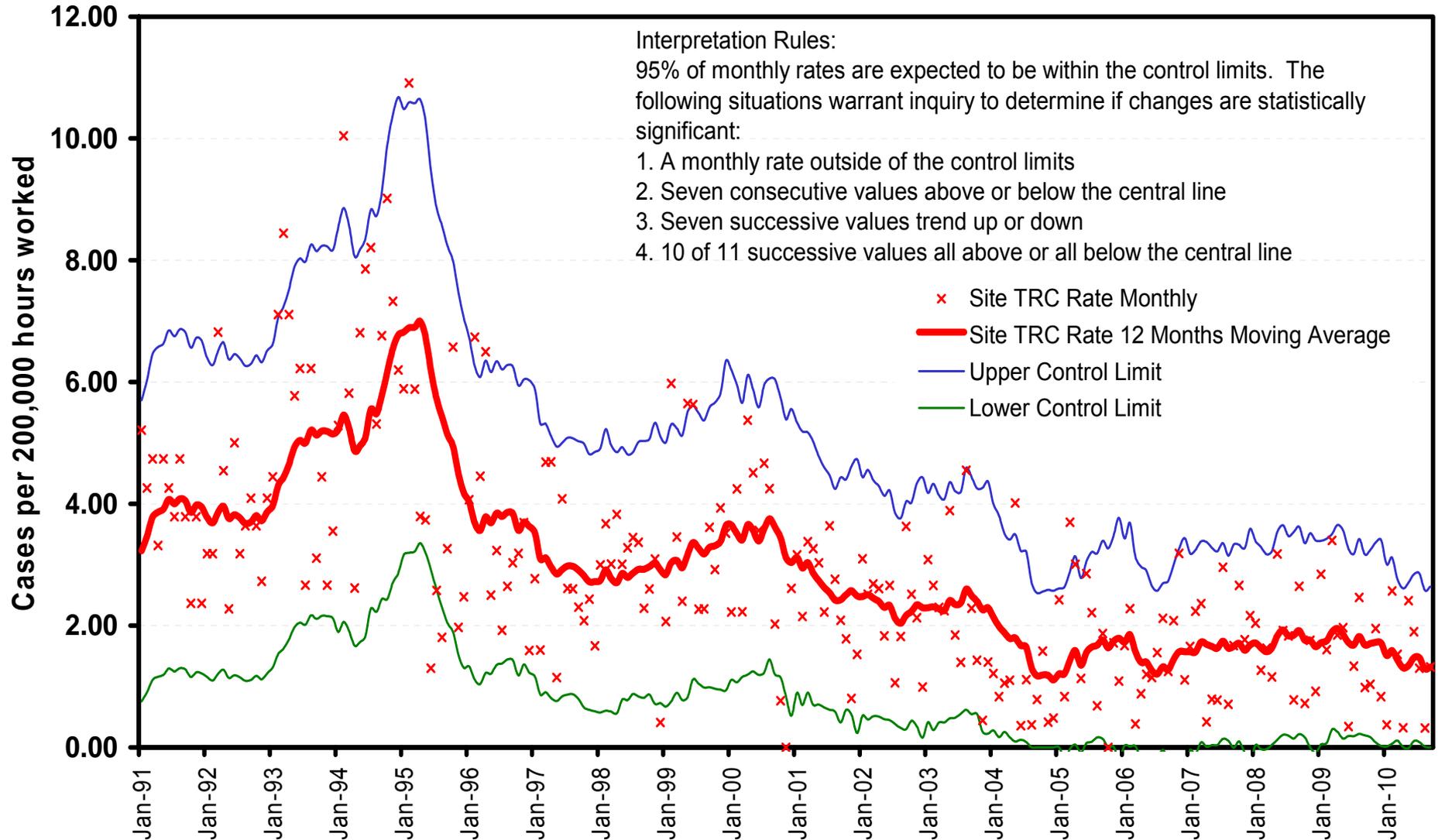


# DART Rates Jul 97 to September 10 Triennial Baselineing



# Long Term Injury Rates - TRC

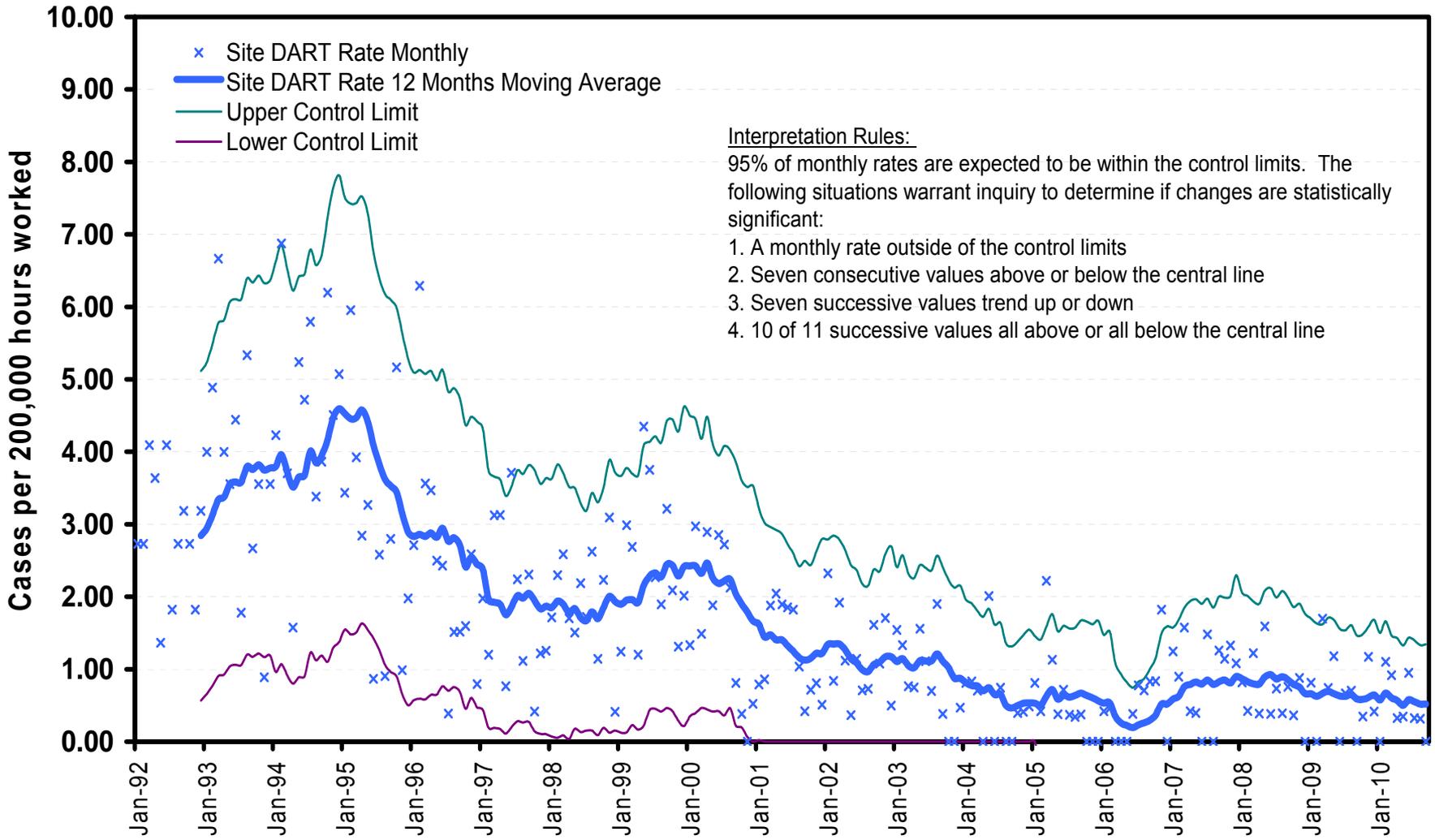
Berkeley Lab Total Recordable Case Rates With Control Limits At 95% Confidence Level



Through September 30, 2010

# Long Term Injury Rates - DART

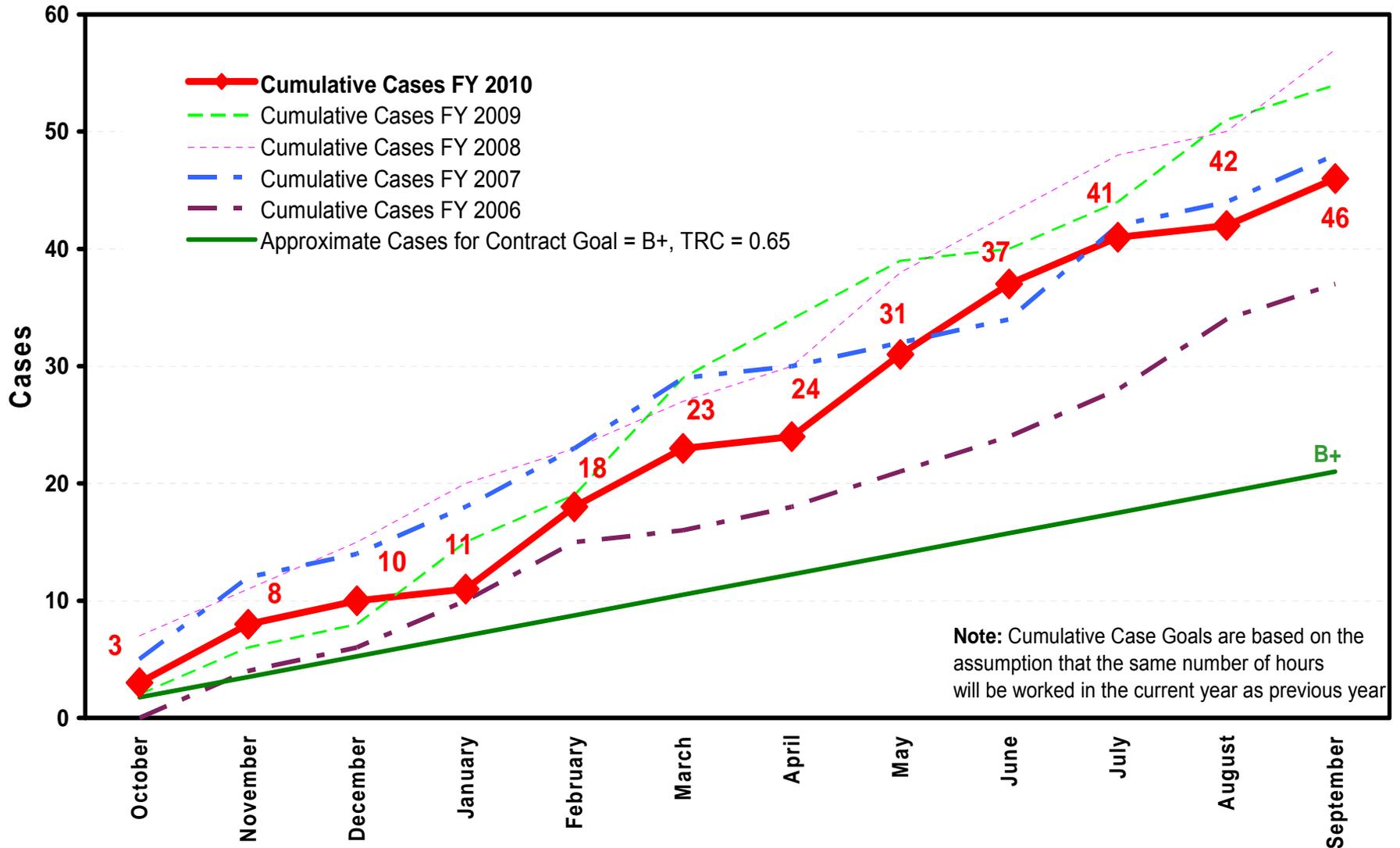
Berkeley Lab DART Rates With Control Limits At 95% Confidence Level  
(Cases with Days Away, Restricted or Transferred)



Through September 30, 2010

# Performance vs Contract Goals - TRC

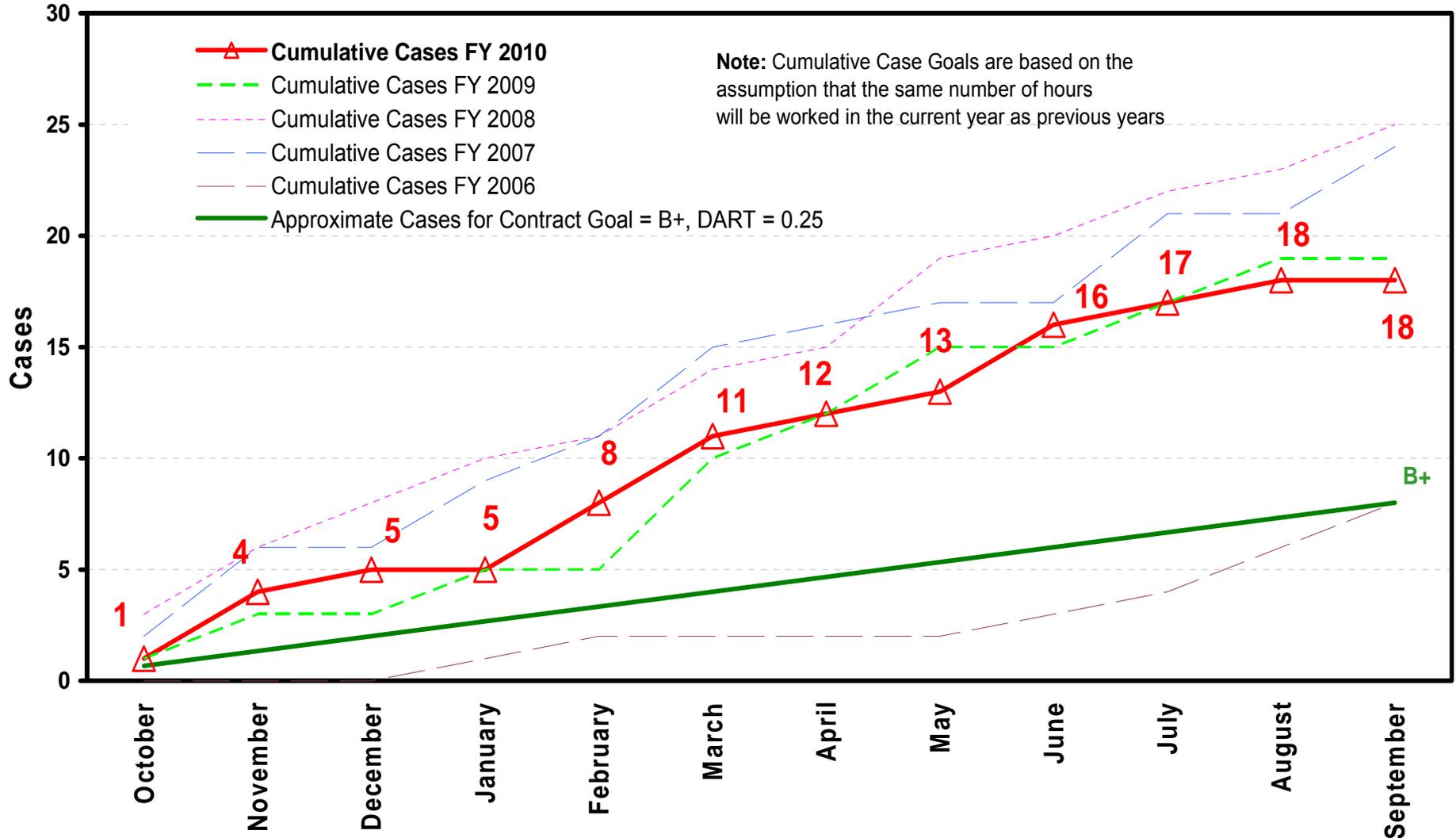
Berkeley Lab and Contractors  
Cumulative Total Recordable Cases  
By Fiscal Year



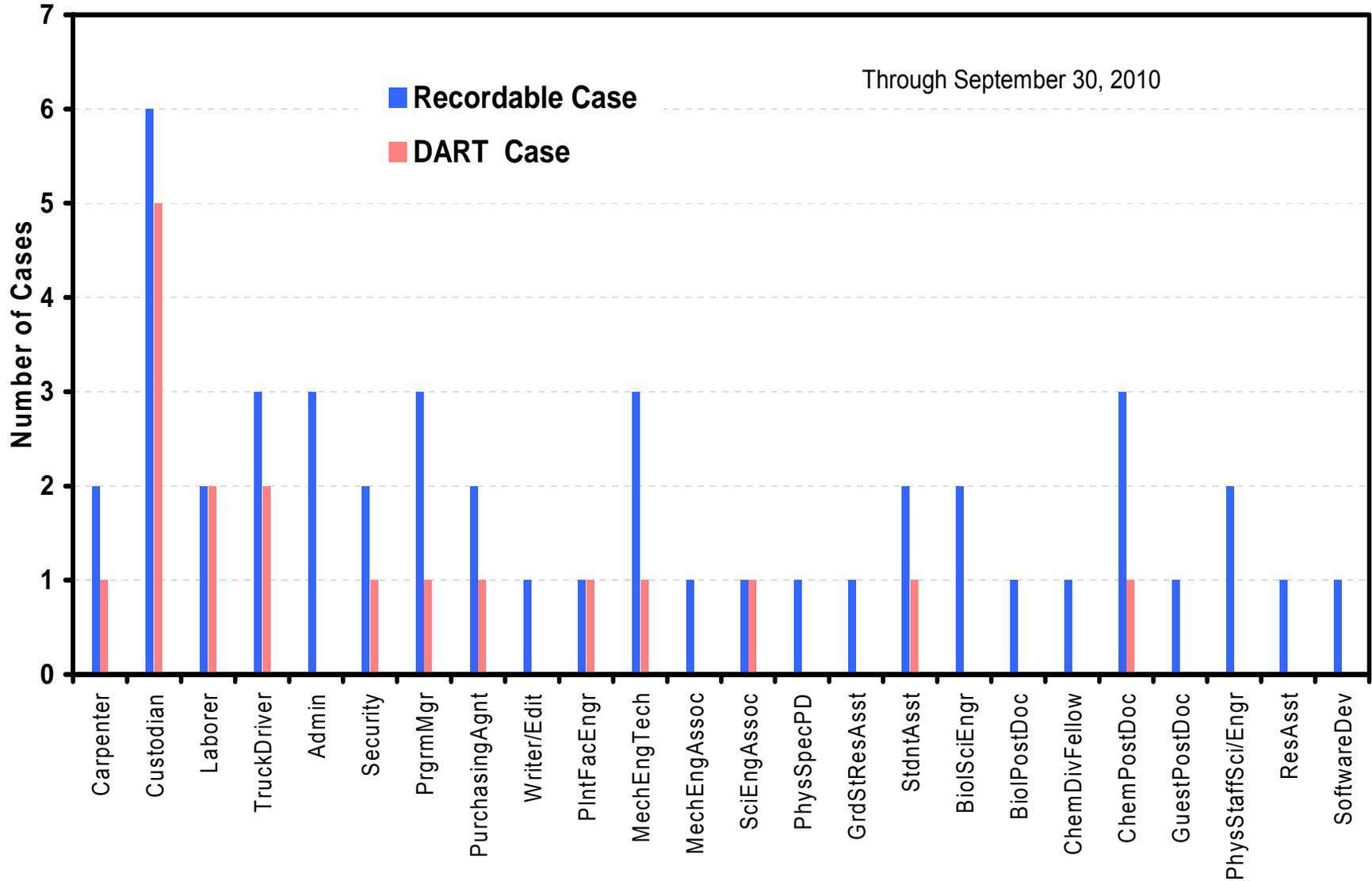
# Performance vs Contract Goals - DART

Berkeley Lab and Contractors

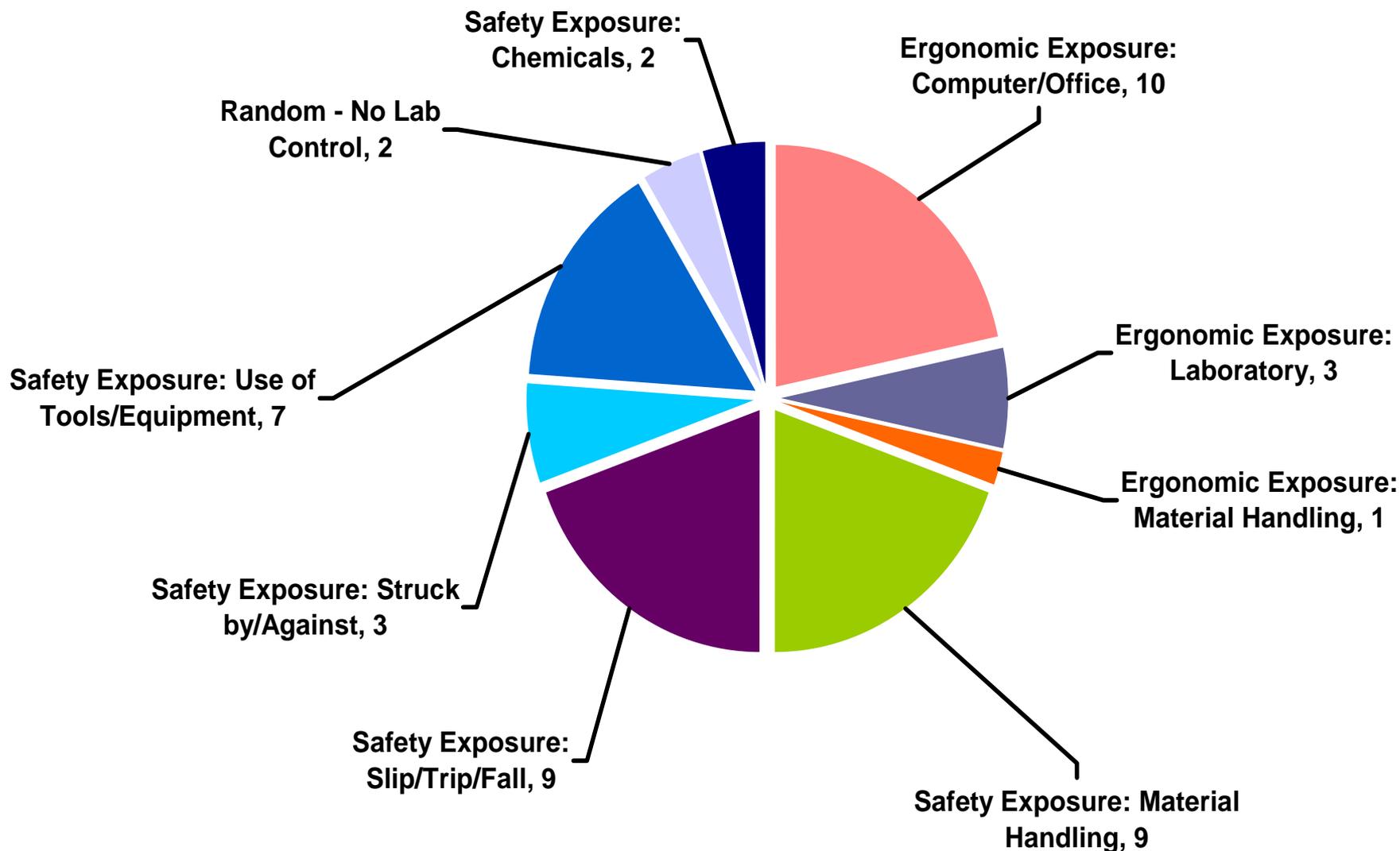
Cumulative DART (Days Away, Restricted, Transferred) Cases  
By Fiscal Year



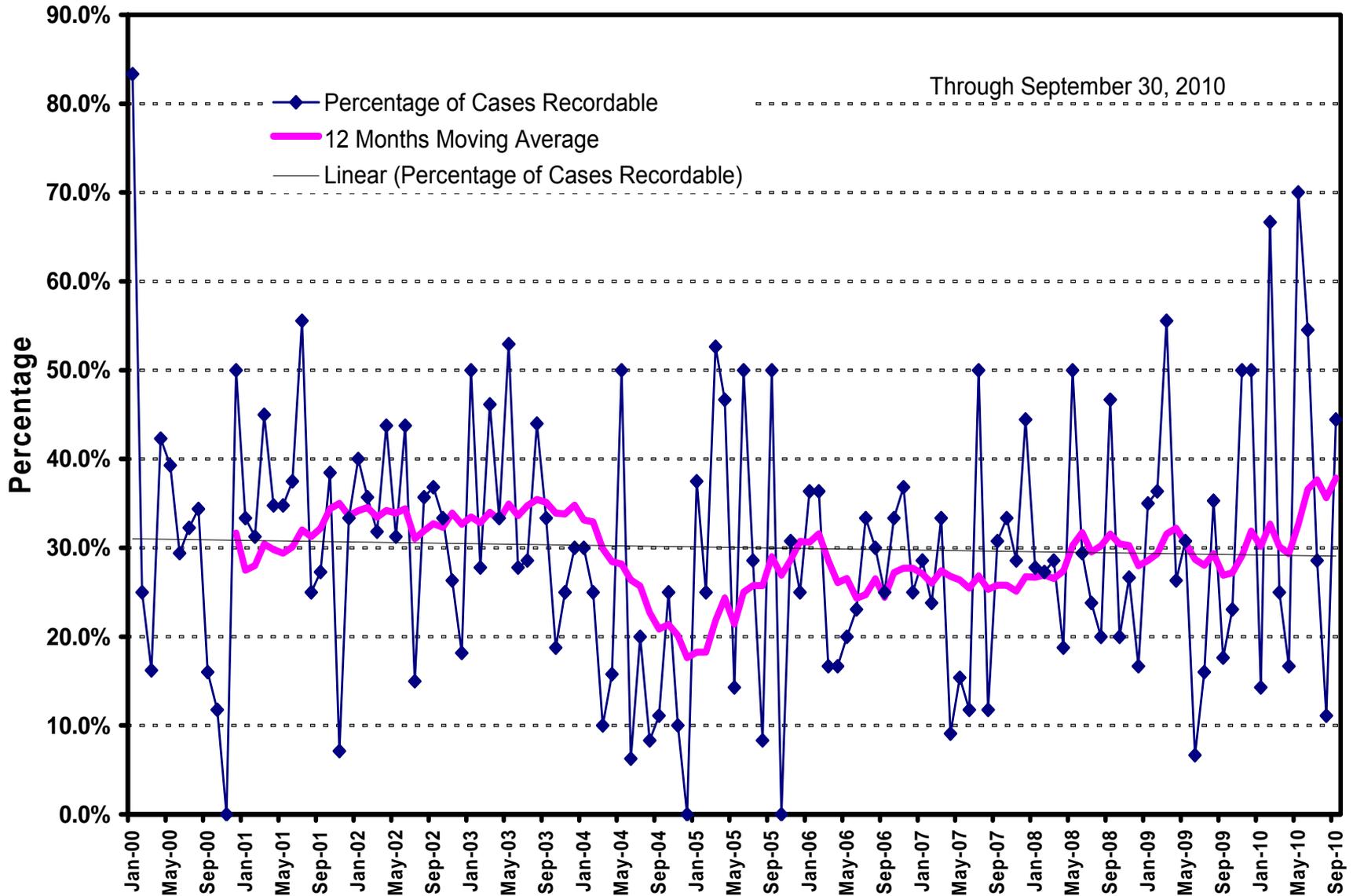
## Recordable and DART Cases by Job Classification



# Recordable Injury Categories and Causes FY10 through September 30, 2010

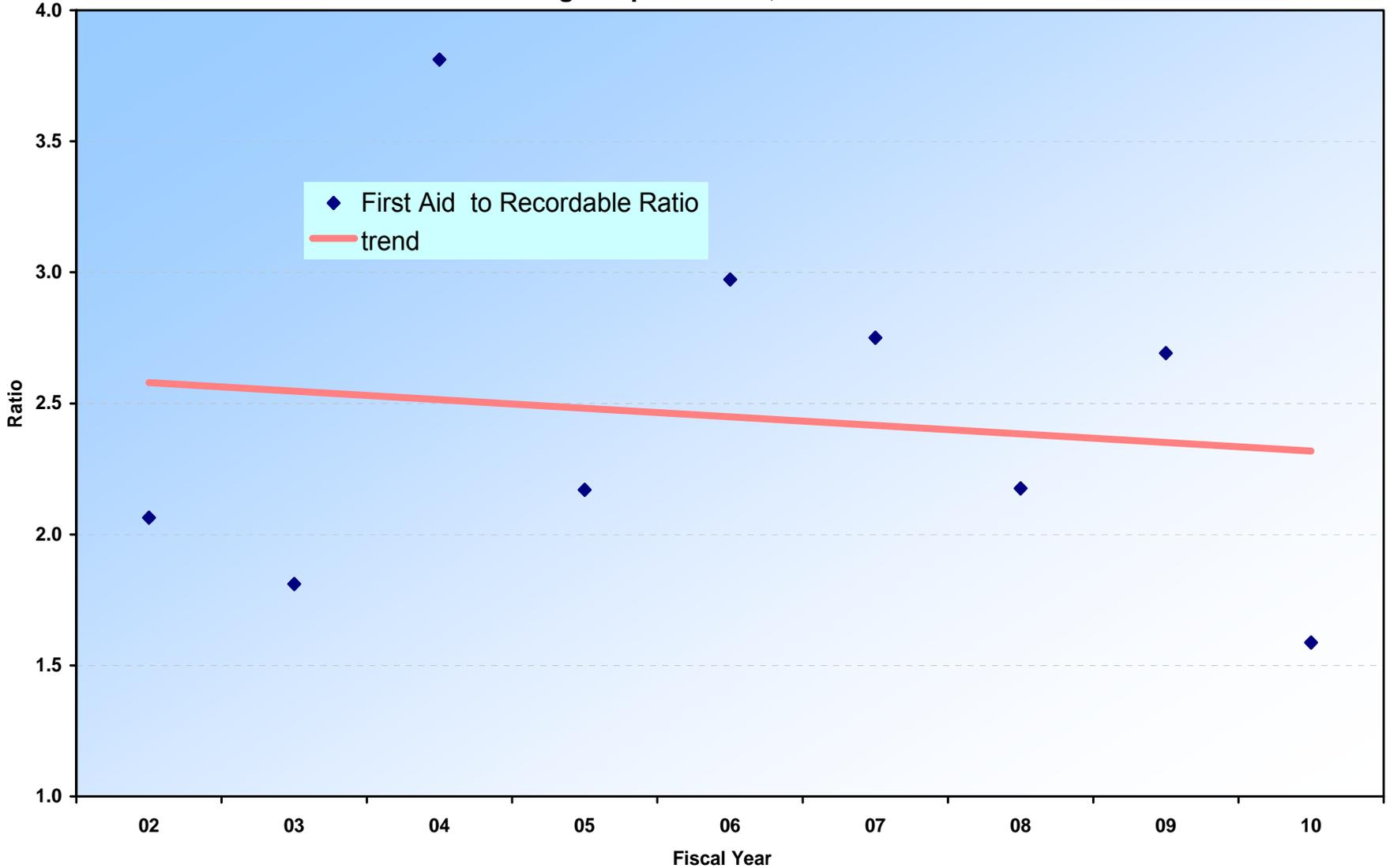


# Percentage of All Injuries Reported That Are Recordable Monthly, 12 Month Moving Average, Trend since 1/1/2000

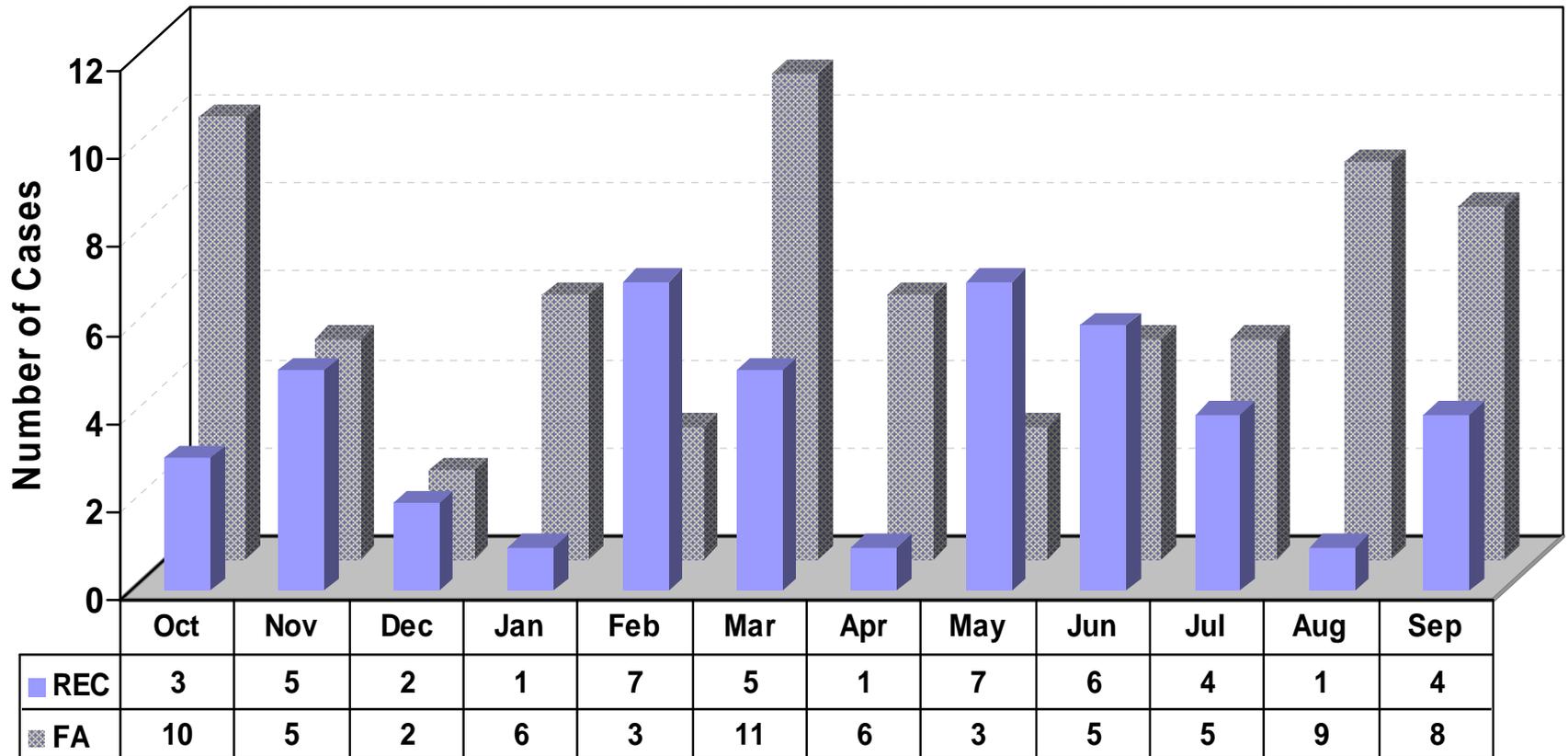


# First Aid to Recordable Case Ratio

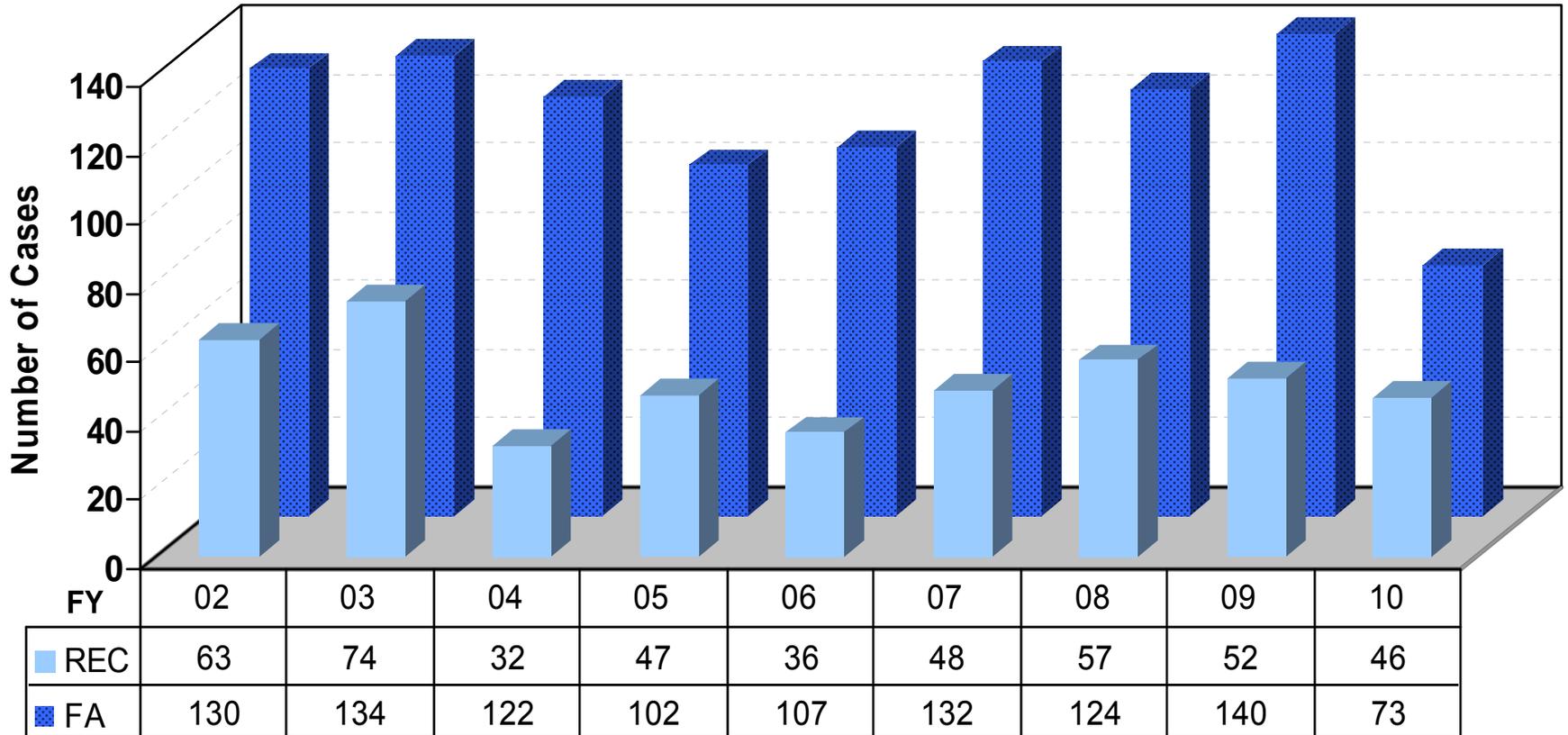
through September 30, 2010



## FY2010 First Aid to Recordable Comparison through September 30, 2010



## FY02 to FY2010 First Aid to Recordable Comparison through September 30, 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	1	0	1	3	0	0	1	4	8	
Earth Sciences	0	0	0	0	0	0	0	0	0	0	0	1		1	
Genomics	0	0	0	0	0	0	0	0	0	0	0	0		0	
Life Sciences	0	0	1	0	1	1	0	1	3	0	0	0		7	
<b>Physical Sciences</b>	1	2	0	1	0	2	0	3	1	0	0	2	5	12	
ALS	0	0	0	0	0	0	0	1	0	0	0	1		2	
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	1		2	
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	3	0	6	4	1	1	3	13	28	
<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	1		2	
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	1	4	14	
<b>LBNL Total</b>	3	5	2	1	6	4	1	7	6	2	1	4	17	42	
<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	5	1	7	6	4	1	4	18	46	
<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 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>	0	2	0	0	0	1	0	1	1	0	1	0	5	6	
<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>	1	1	1	0	2	1	1	0	2	0	0	0	2	9	
<b>LBNL Total</b>	1	3	1	0	2	2	1	1	3	0	1	0	7	15	
<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>	1	3	1	0	3	3	1	1	3	1	1	0	7	18	
<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+						