

# **Berkeley Lab Accident Statistics Through May 31, 2011**

**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 – Musculoskeletal May 2011

- Electrician Apprentice – Strain of right wrist
  - The employee was tightening a beam clamp with an open end wrench and felt a “pop” in the wrist.
- Custodian – Knee strain
  - The employee noted some pain in the knee while ascending and descending stairs.

# Injury/Illness Cases – Material Handling

## May 2011

- High Voltage Electrician – Avulsion of two finger tips
  - While assisting in the removal of an electrical vault cover, the cover slipped and dropped on the tip of the employee's fingers.
- Desktop Systems Specialist – Strain of thumb
  - While retrieving a manual from a shelf the manual slipped and bent the thumb backward.

# Injury/Illness Cases – Laceration May 2011

- Biochemist Project Scientist / Engineer – Laceration to hand
  - The back of the employee's hand brushed against the sharp edge of a guard that had been fabricated and installed on a shaker table to prevent exposure to a pinch point.

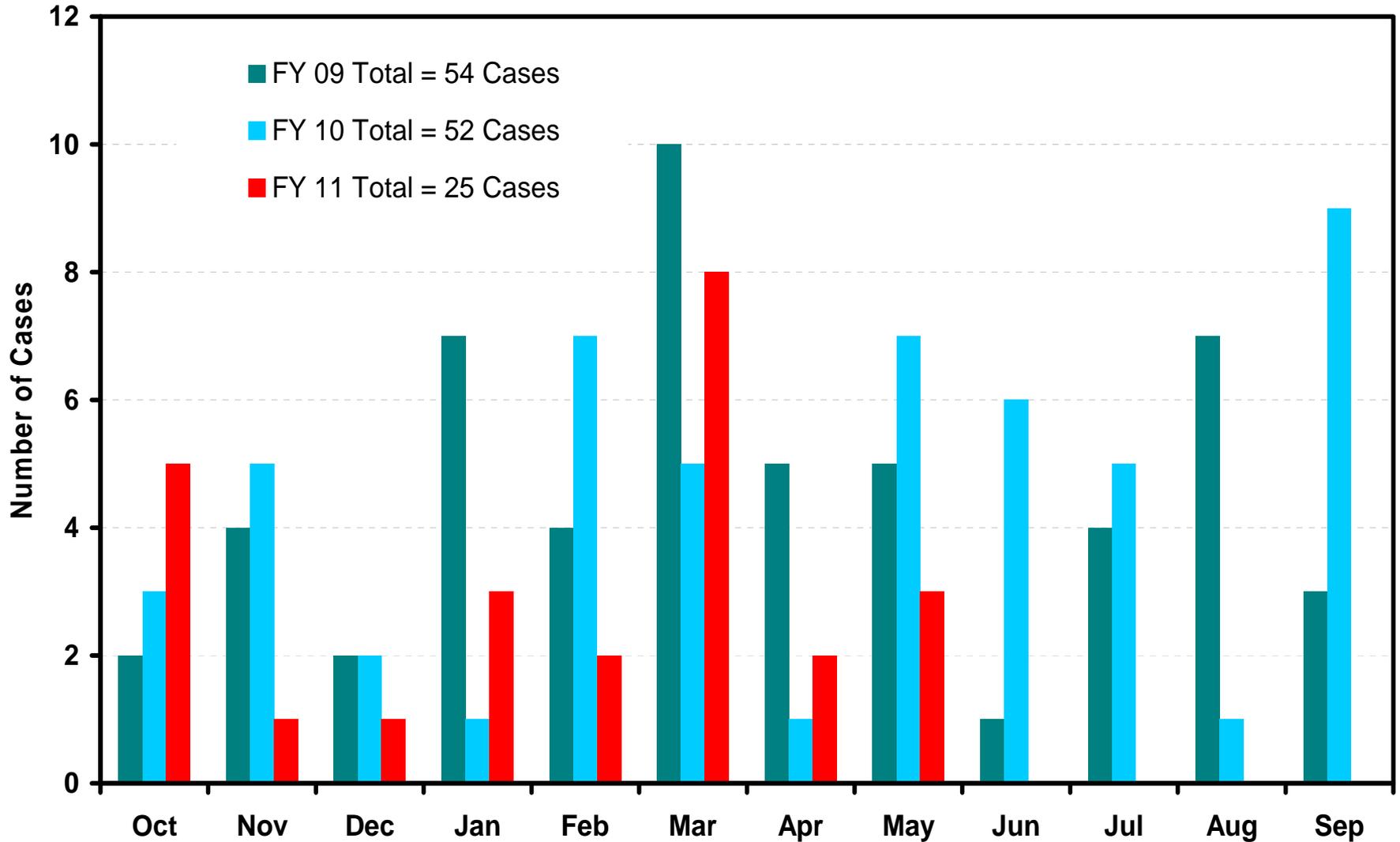
# Injury/Illness Cases – Struck Against May 2011

- Physicist Postdoctoral Fellow – Abrasion on head
  - The employee struck against the end of a threaded rod that suspends a horizontal unistrut support while working above a hutch on the ALS floor.
- Administrative Assistant – Strain of upper trunk and neck region
  - While stepping down from a step stool, the employee bumped an elbow on a copy machine which propelled the employee backward striking a counter top with the back. This reaction jarred the employee's trunk and neck.

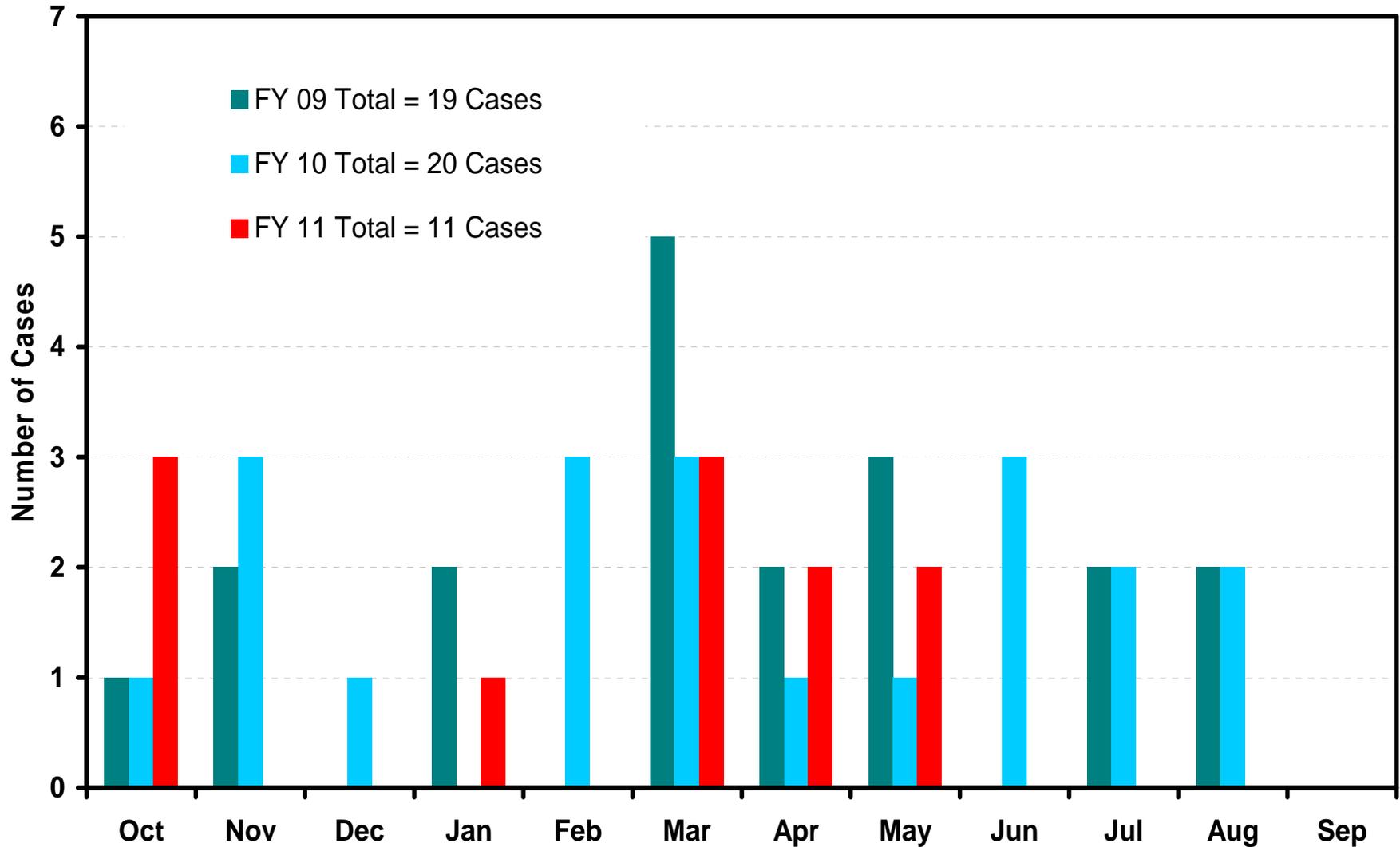
# Injury/Illness Cases – Slip / Trip / Fall May 2011

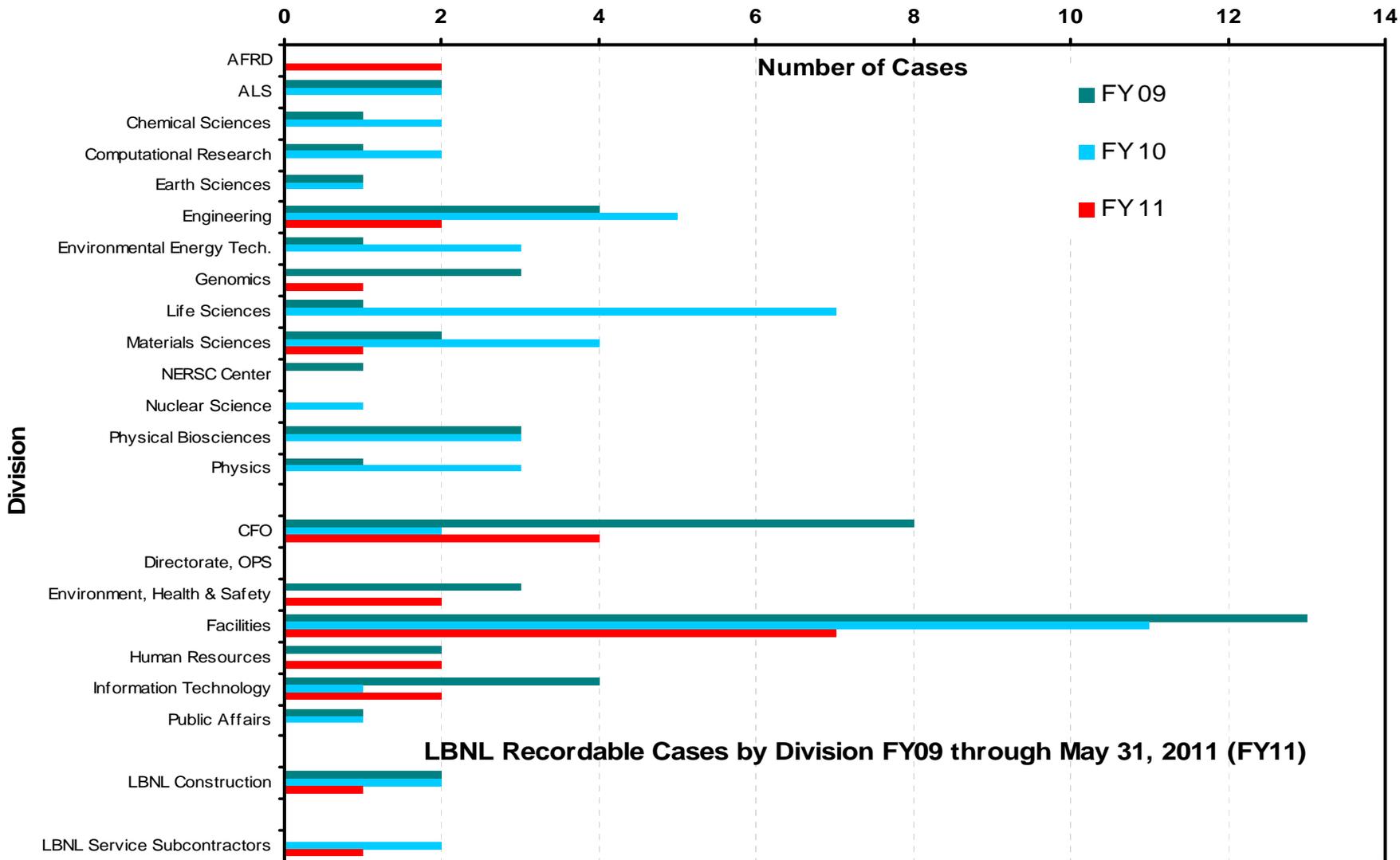
- Administrative Assistant – Contusion on both knees
  - The employee was walking past a construction project material storage area and tripped over the end of some rebar at the edge of the road.
- EH&S Engineering Associate – Abrasion to wrist
  - The employee slipped while traversing concrete rubble causing the employee to fall and scratch the wrist.

## LBNL Recordable Cases FY09 through May 31, 2011 (FY11)

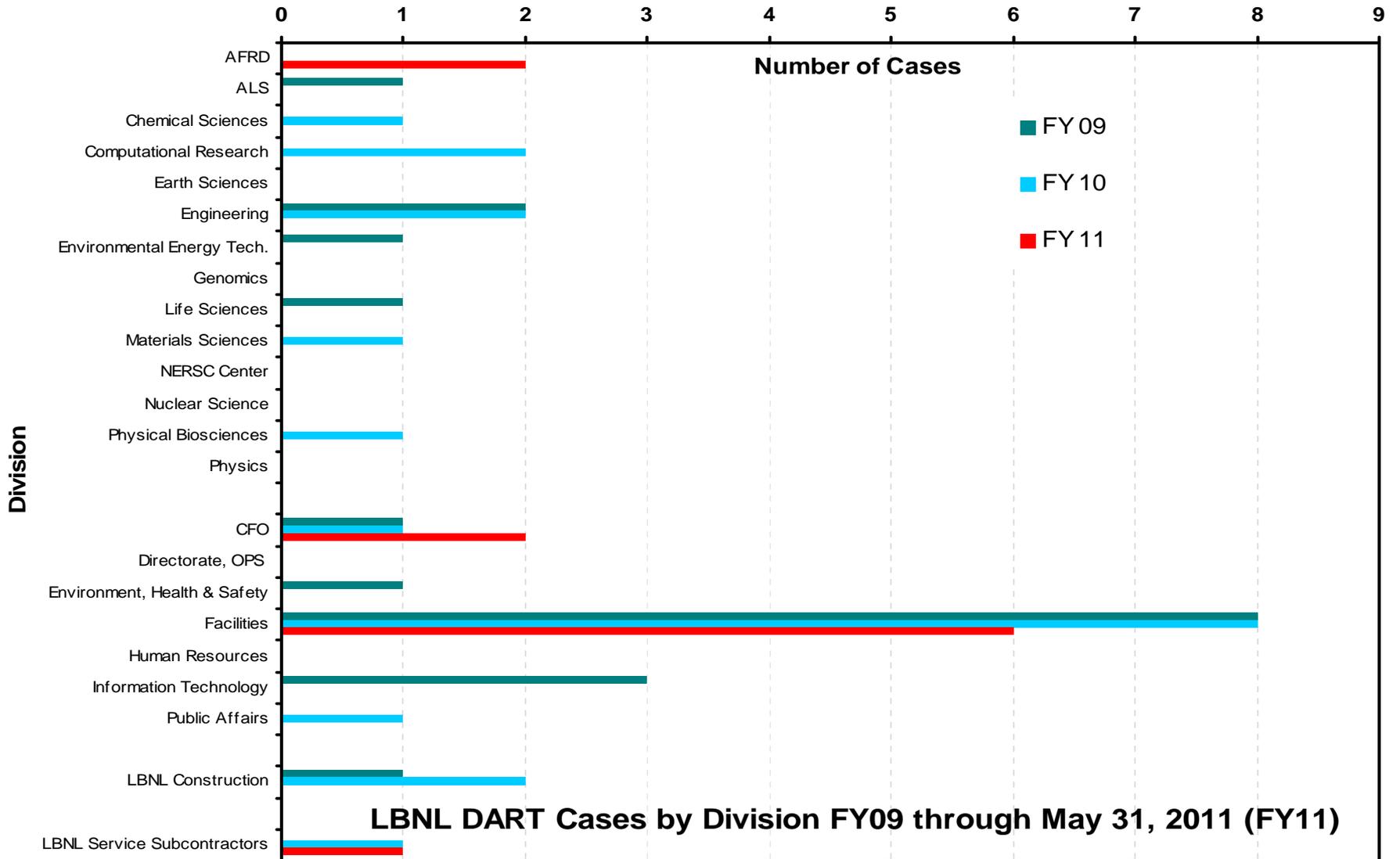


## LBL DART Cases FY09 through May 31, 2011 (FY11)

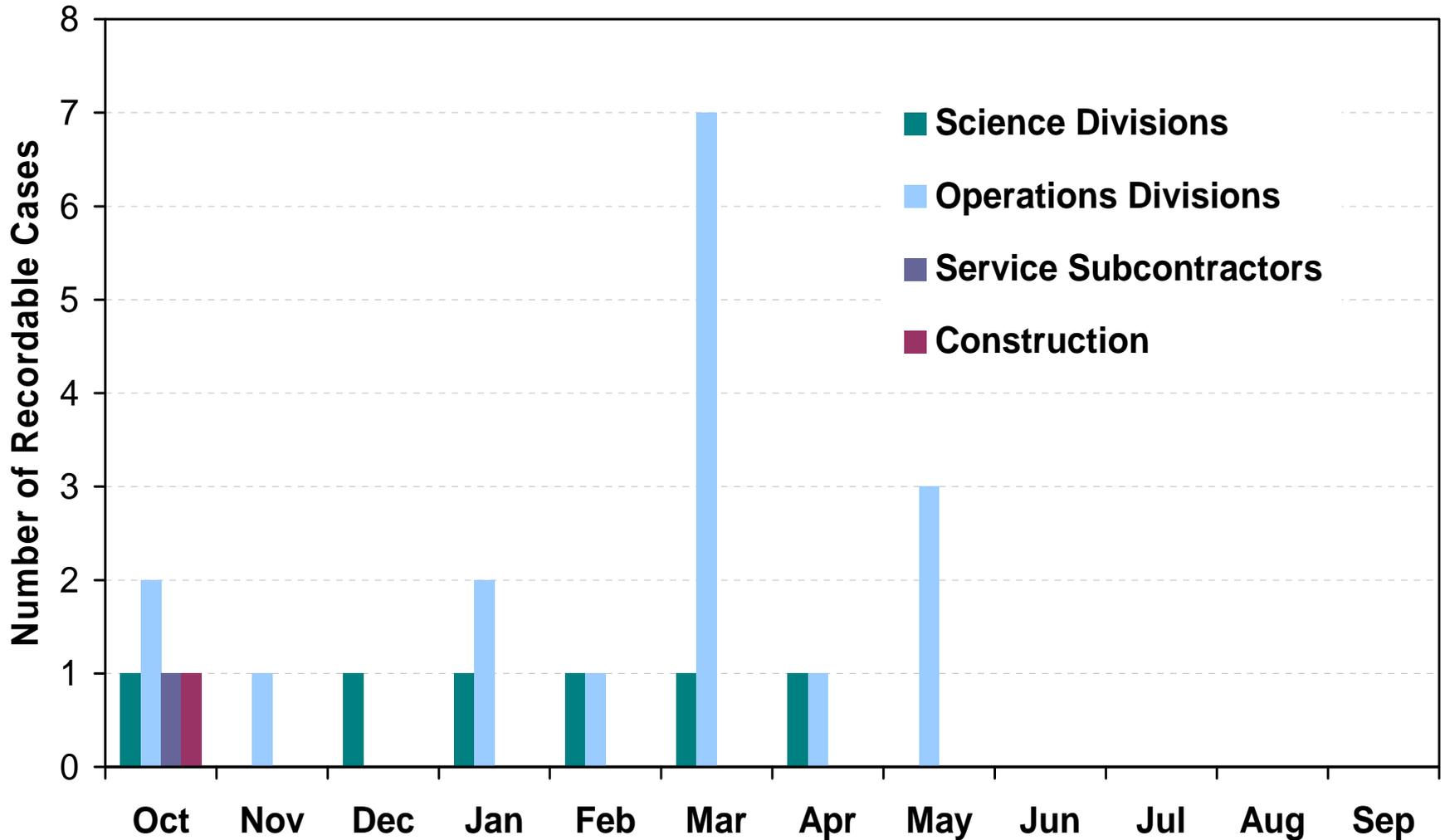




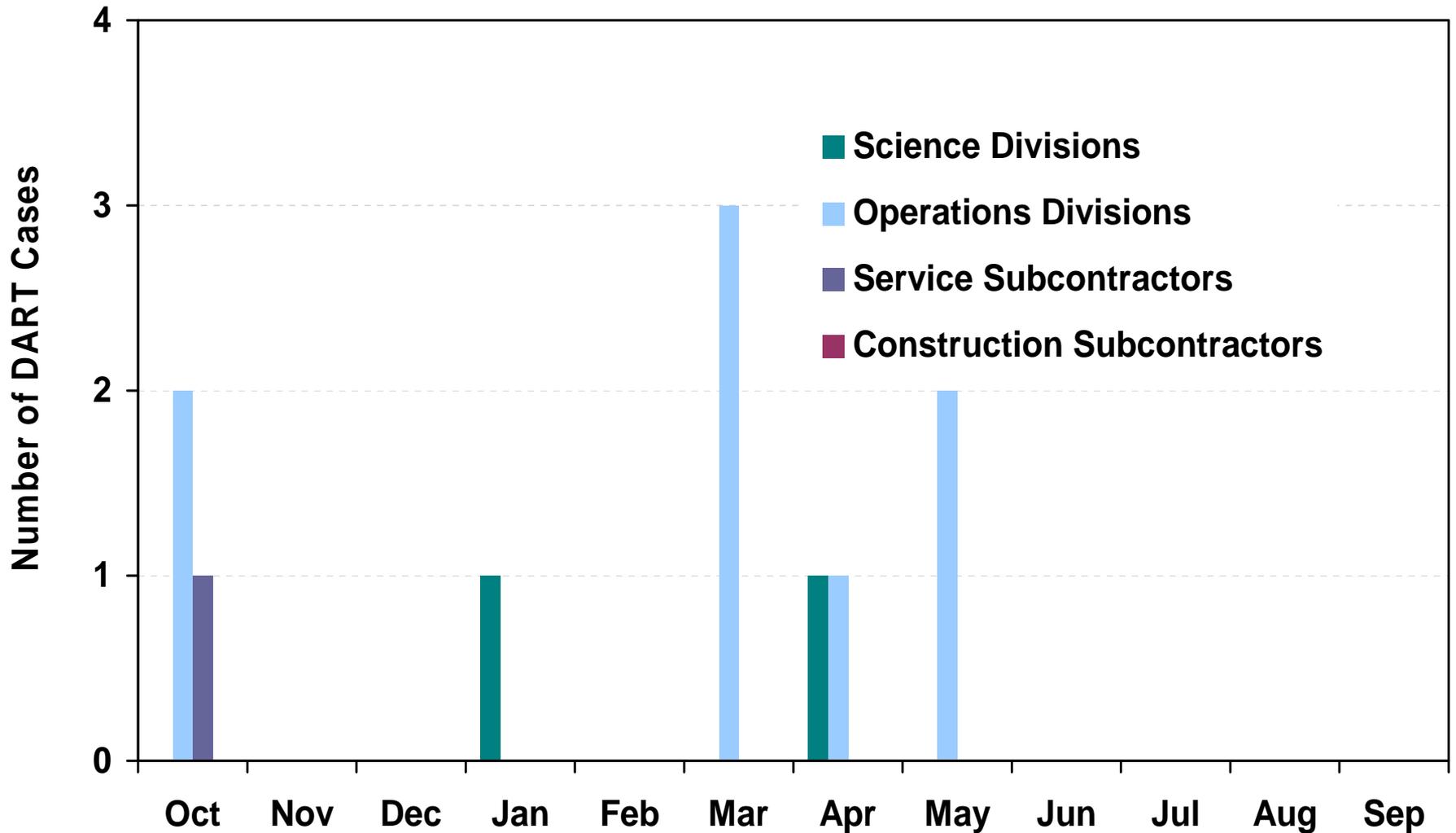
**LBNL Recordable Cases by Division FY09 through May 31, 2011 (FY11)**



## Recordable Cases by LBNL Major Organization FY 2011 To Date May 31, 2011



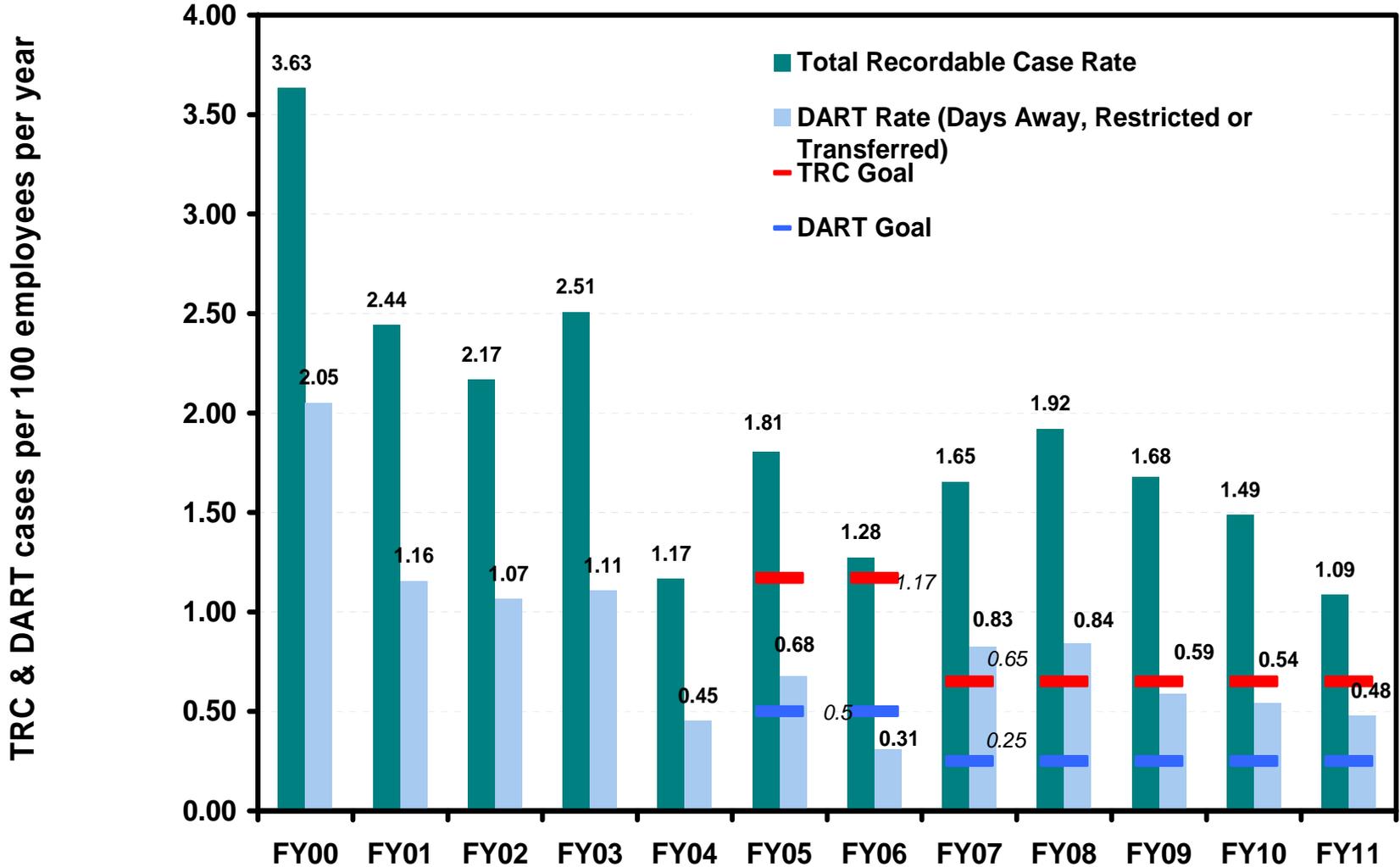
## DART Cases by LBNL Major Organization FY 2011 To Date May 31, 2011



# Berkeley Lab Site-Wide TRC & DART Rates

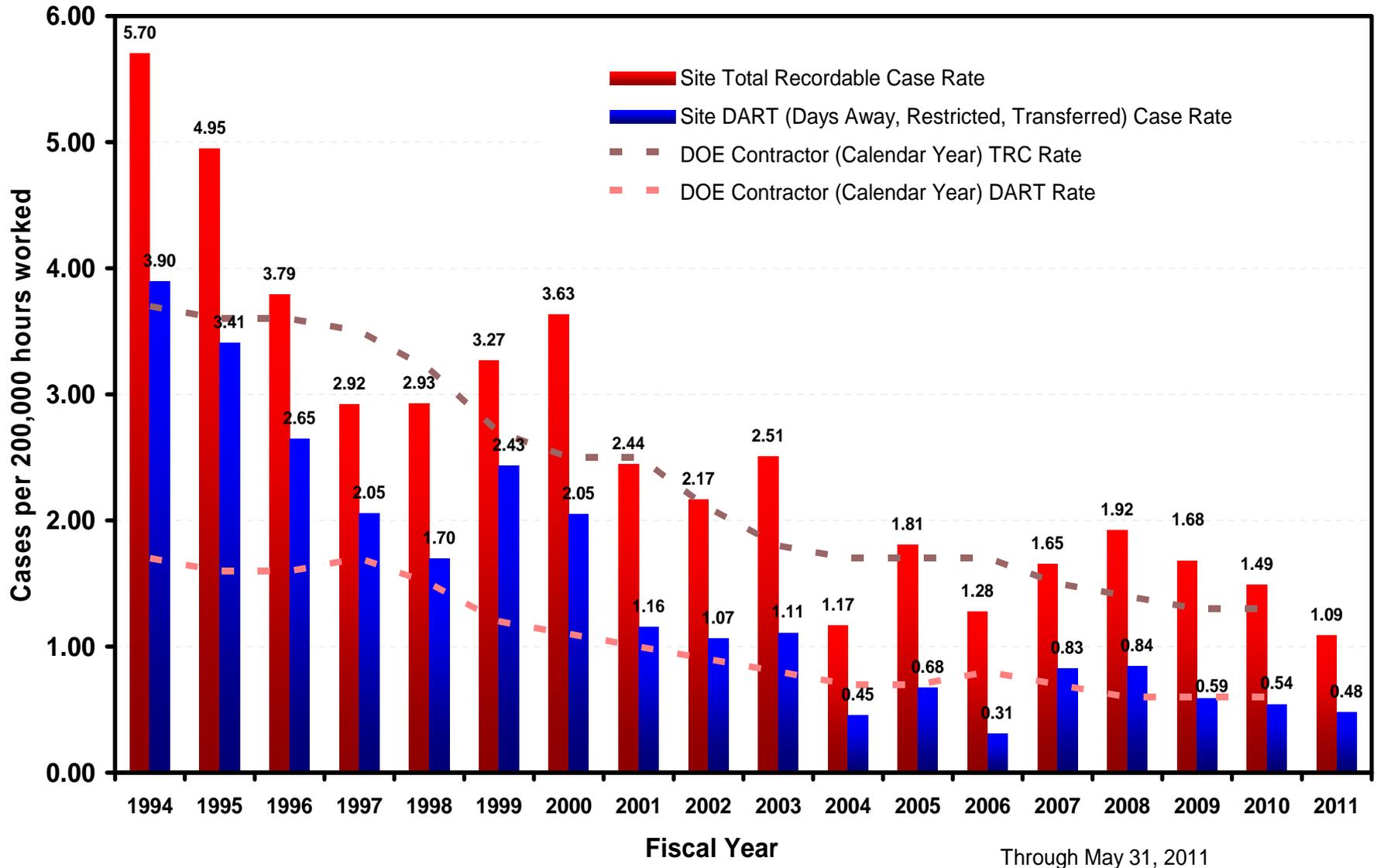
(Includes all Construction and Service Contractors)

## Through May 31, 2011



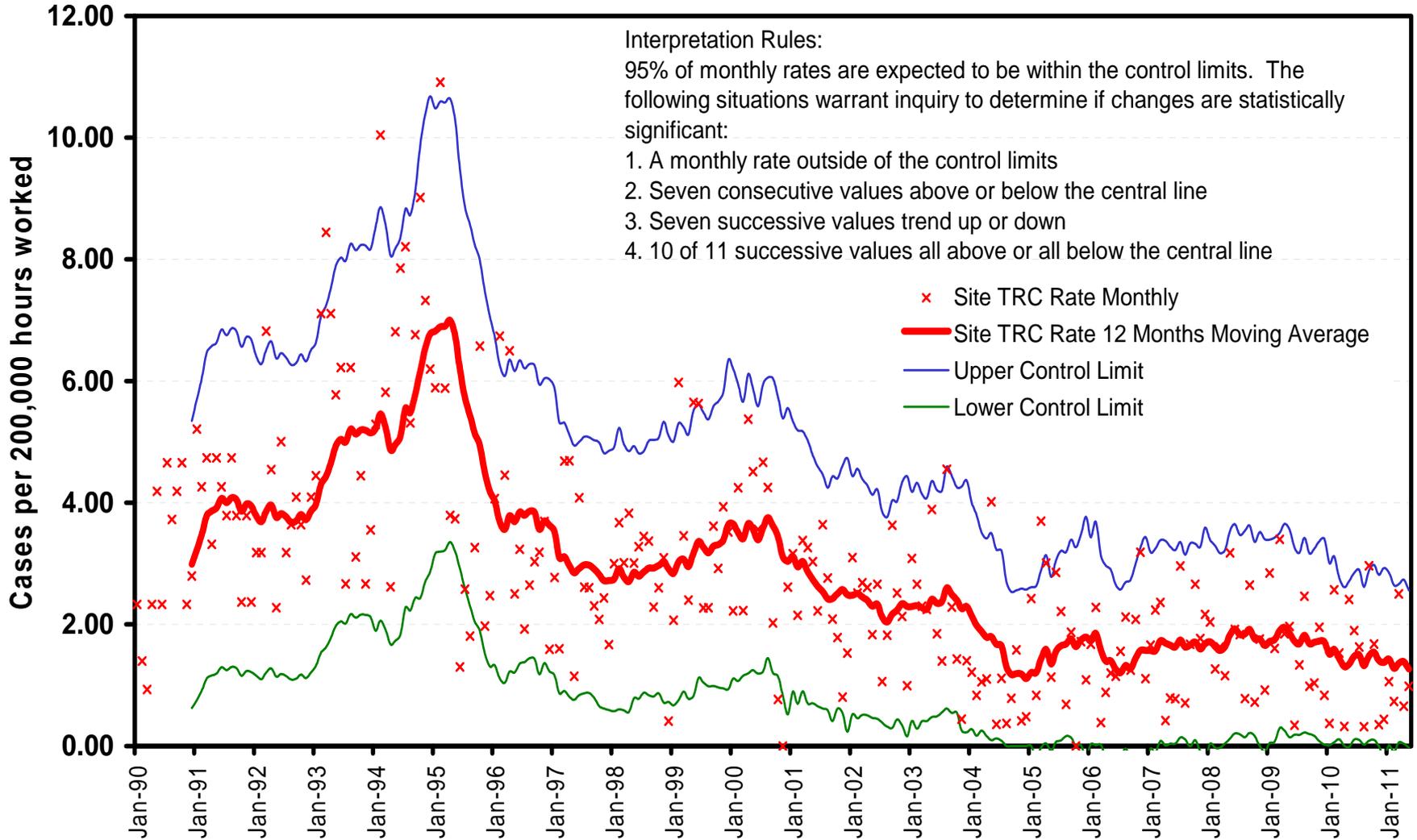
# Long Term Injury Rates - TRC

## Berkeley Lab Site Accident Rates



# LBNL vs DOE Contractor Rates

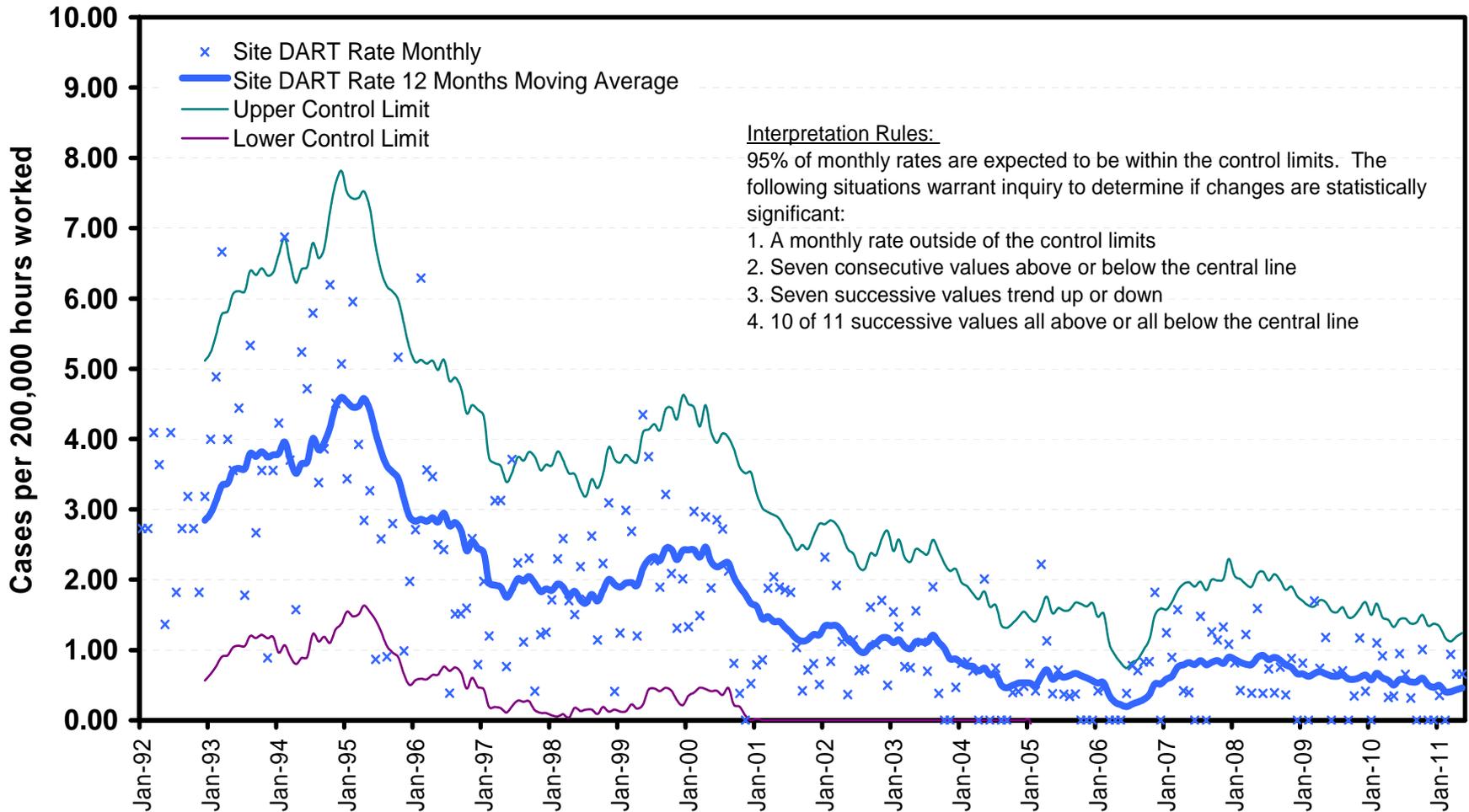
Berkeley Lab Total Recordable Case Rates With Control Limits At 95% Confidence Level



Through May 31, 2011

# Long Term Injury Rates - DART

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



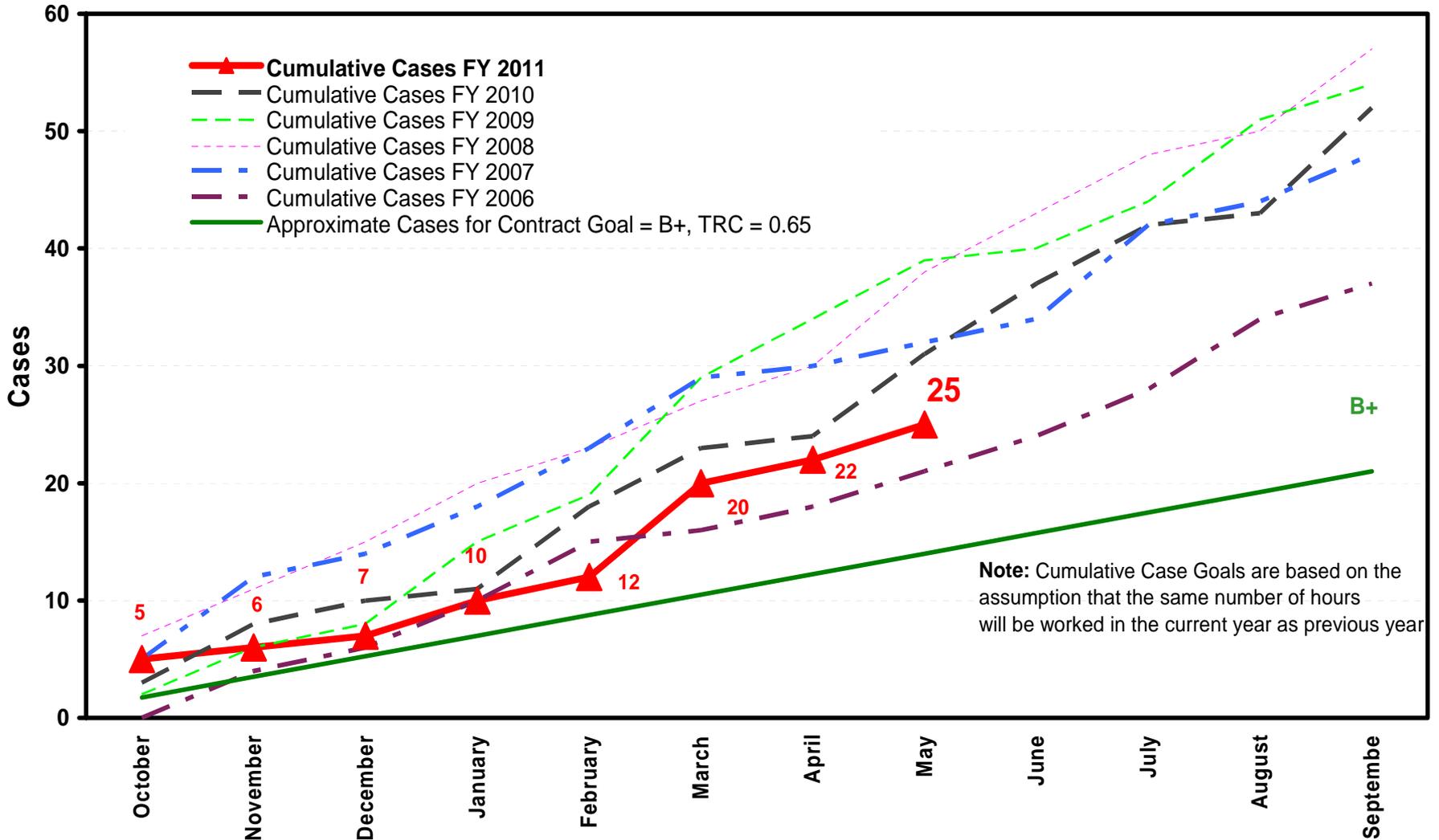
Through May 31, 2011

# Performance vs Contract Goals - TRC

Berkeley Lab and Contractors

Cumulative Total Recordable Cases

By Fiscal Year

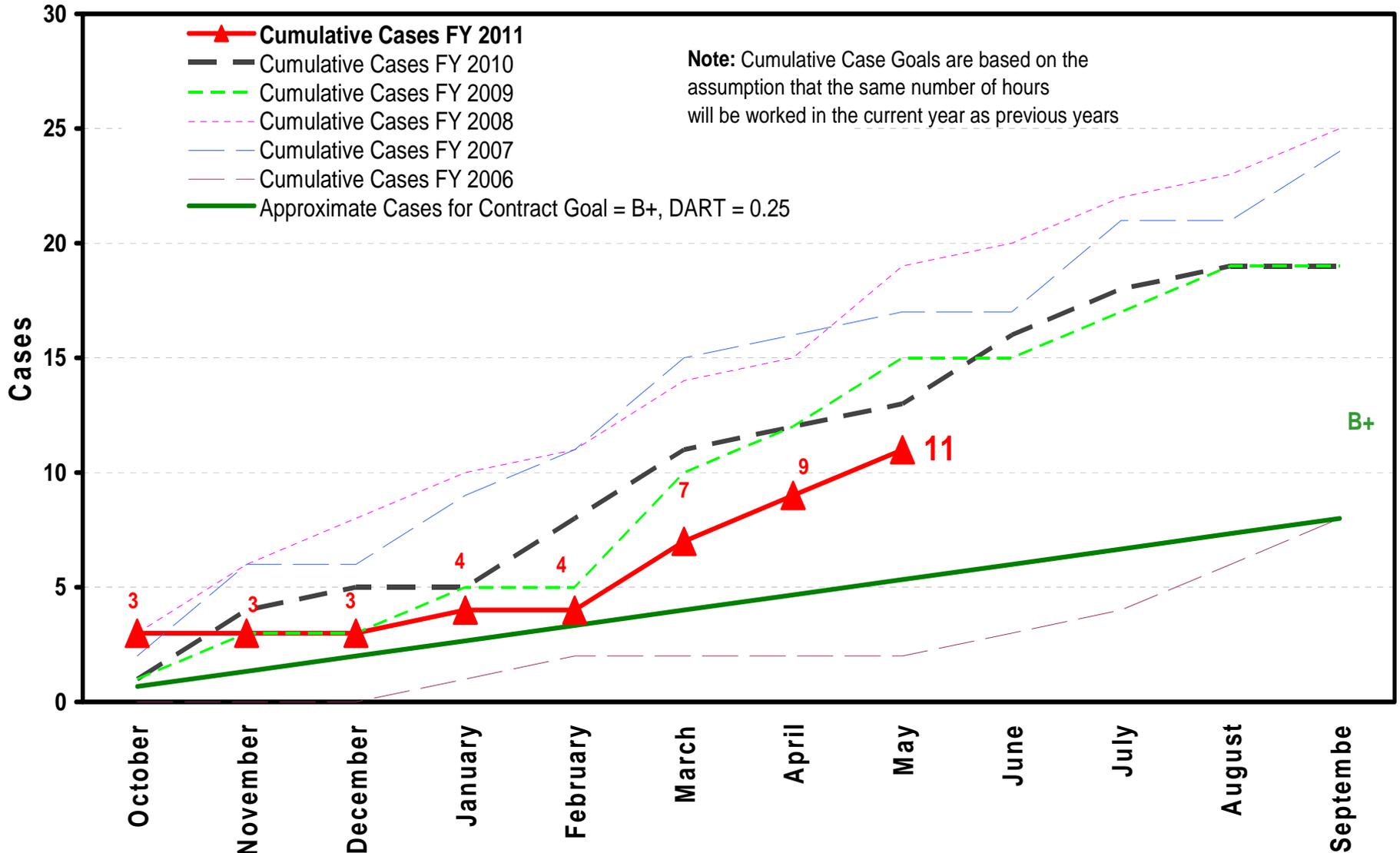


# Performance vs Contract Goals - DART

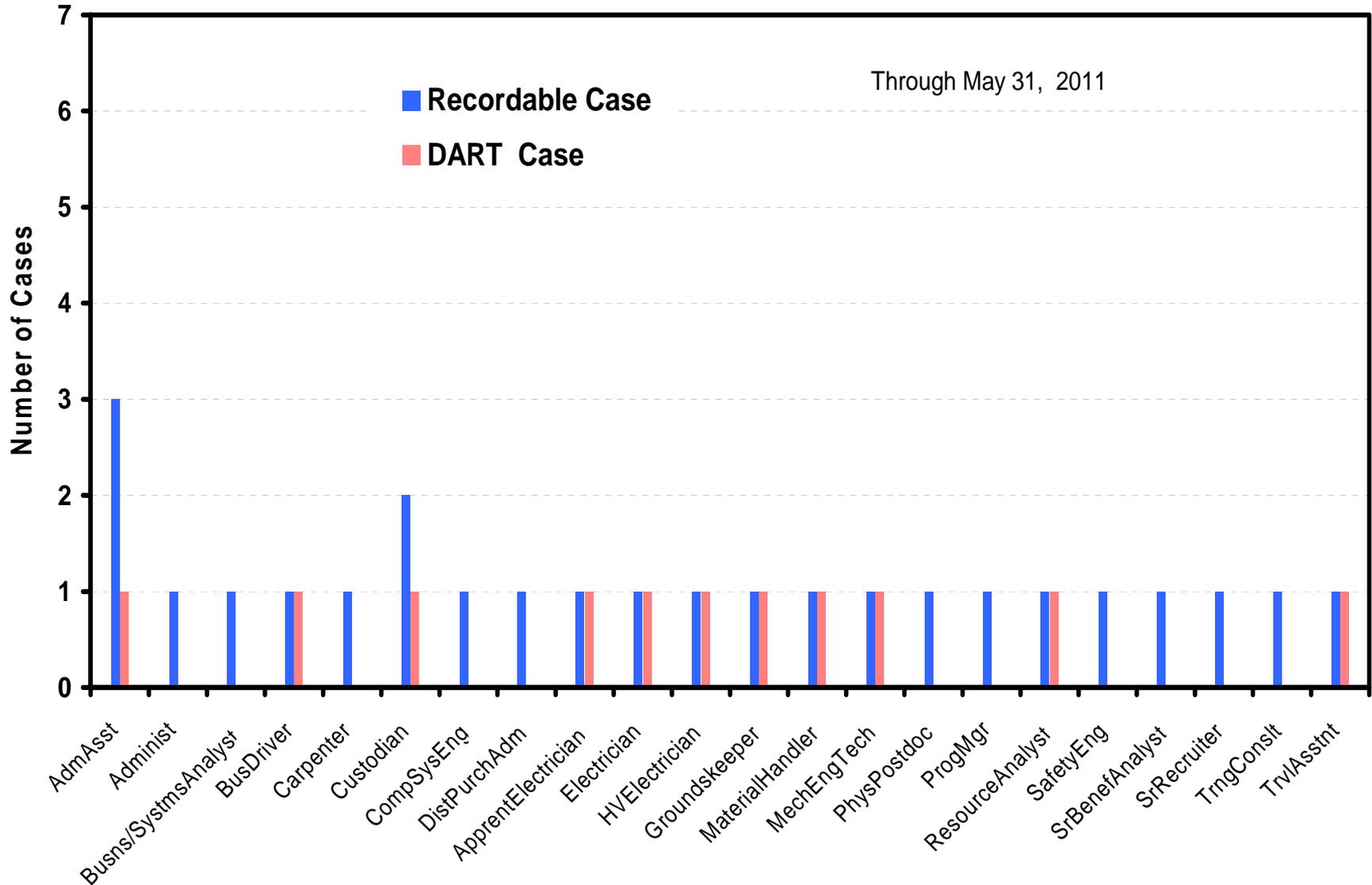
## Berkeley Lab and Contractors

### Cumulative DART (Days Away, Restricted, Transferred) Cases

#### By Fiscal Year

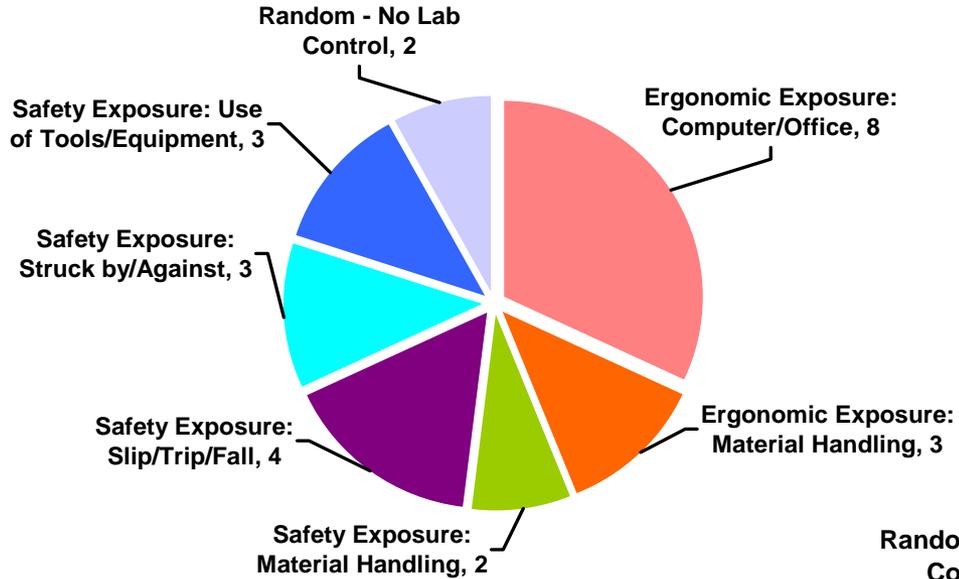


## Recordable and DART Cases by Job Classification

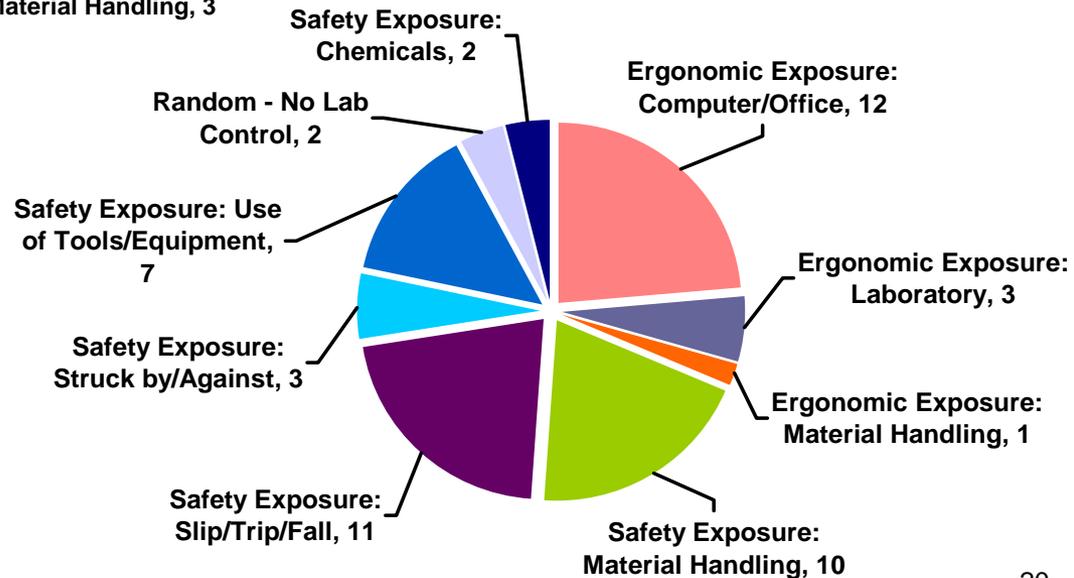


# Recordable Injury Categories and Causes

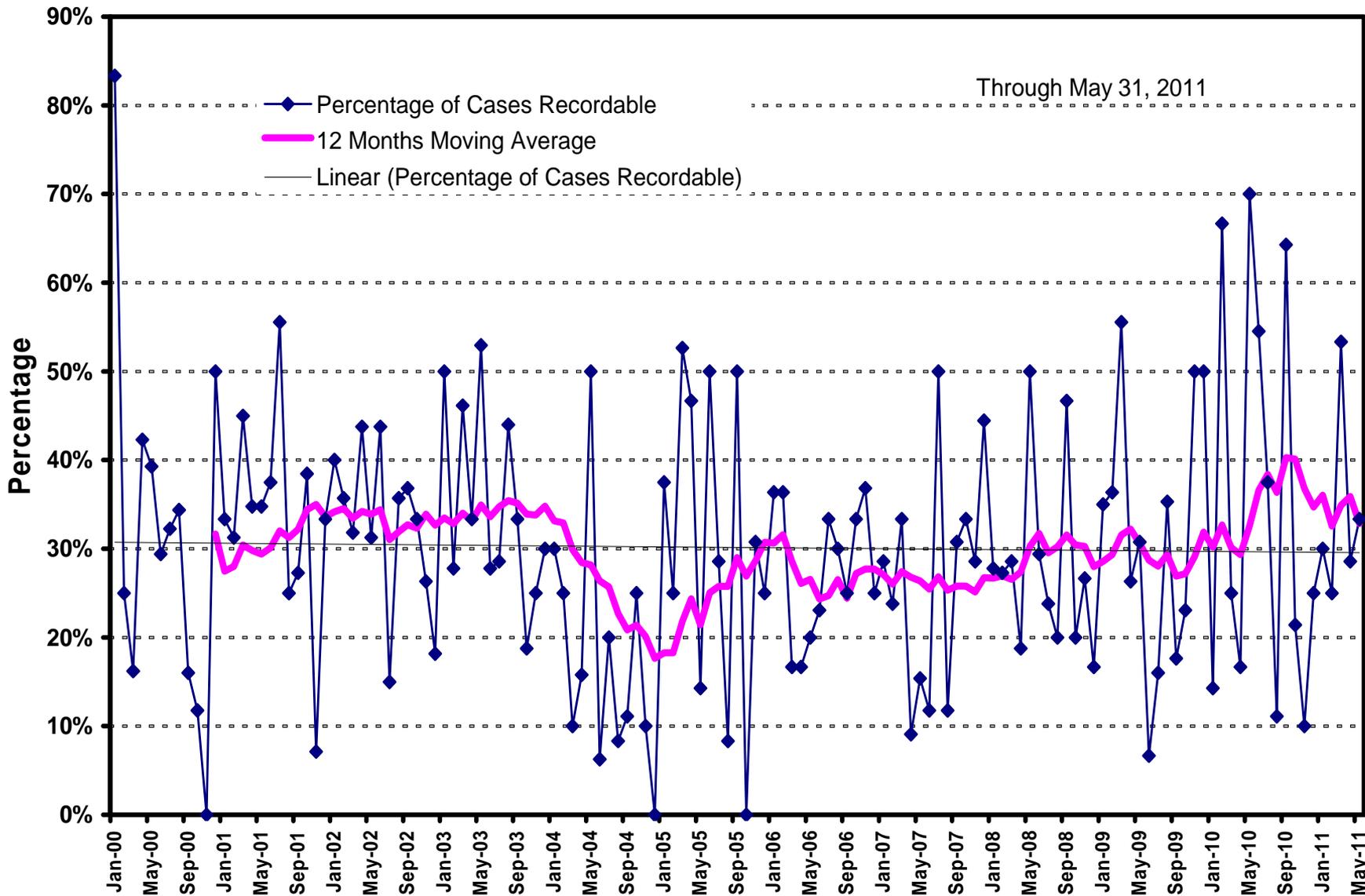
FY 2011 through May 31, 2011



FY 2010

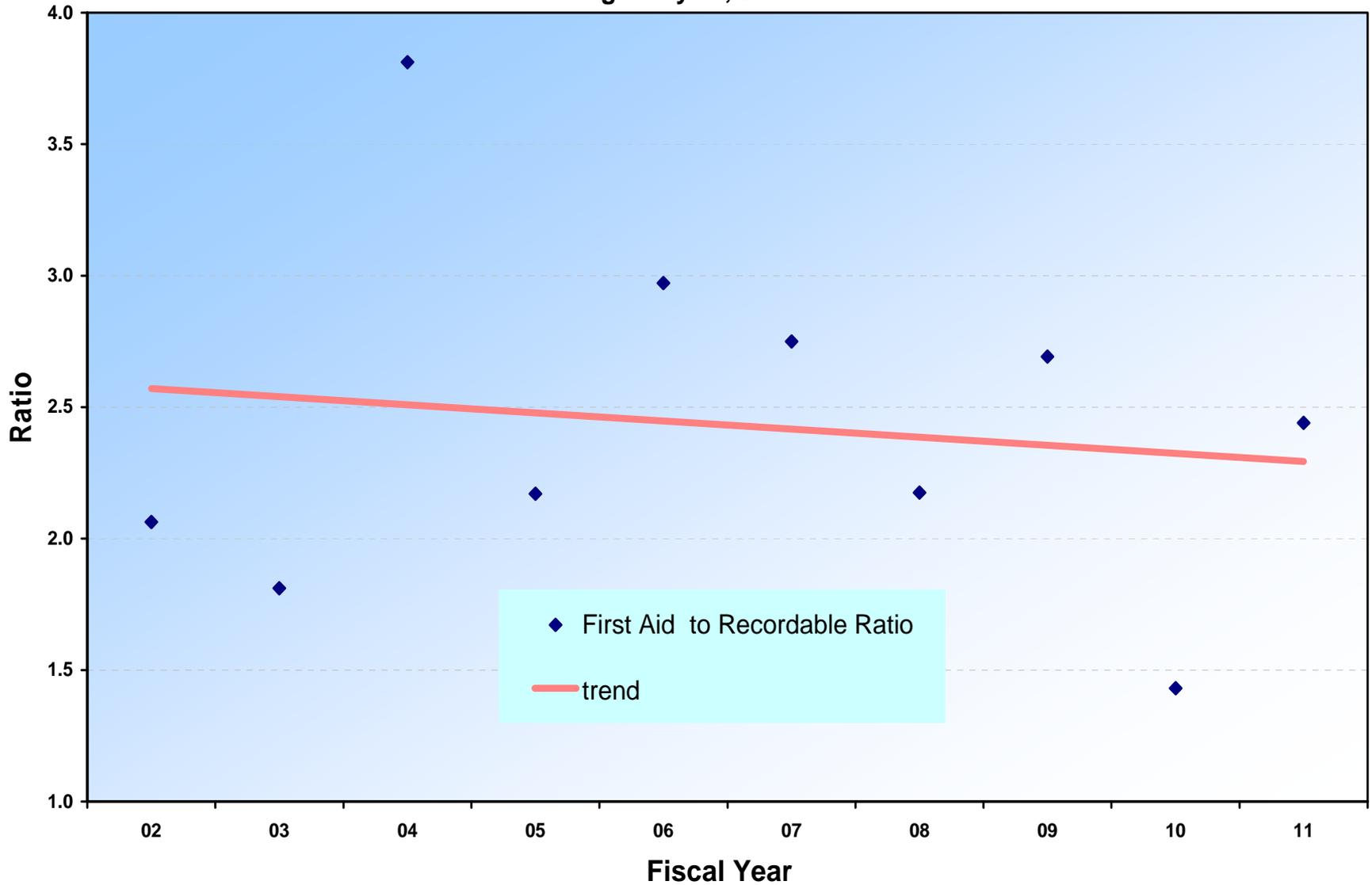


# Percentage of All Injuries Reported That Are Recordable Monthly, 12 Month Moving Average, Trend since 1/1/2000

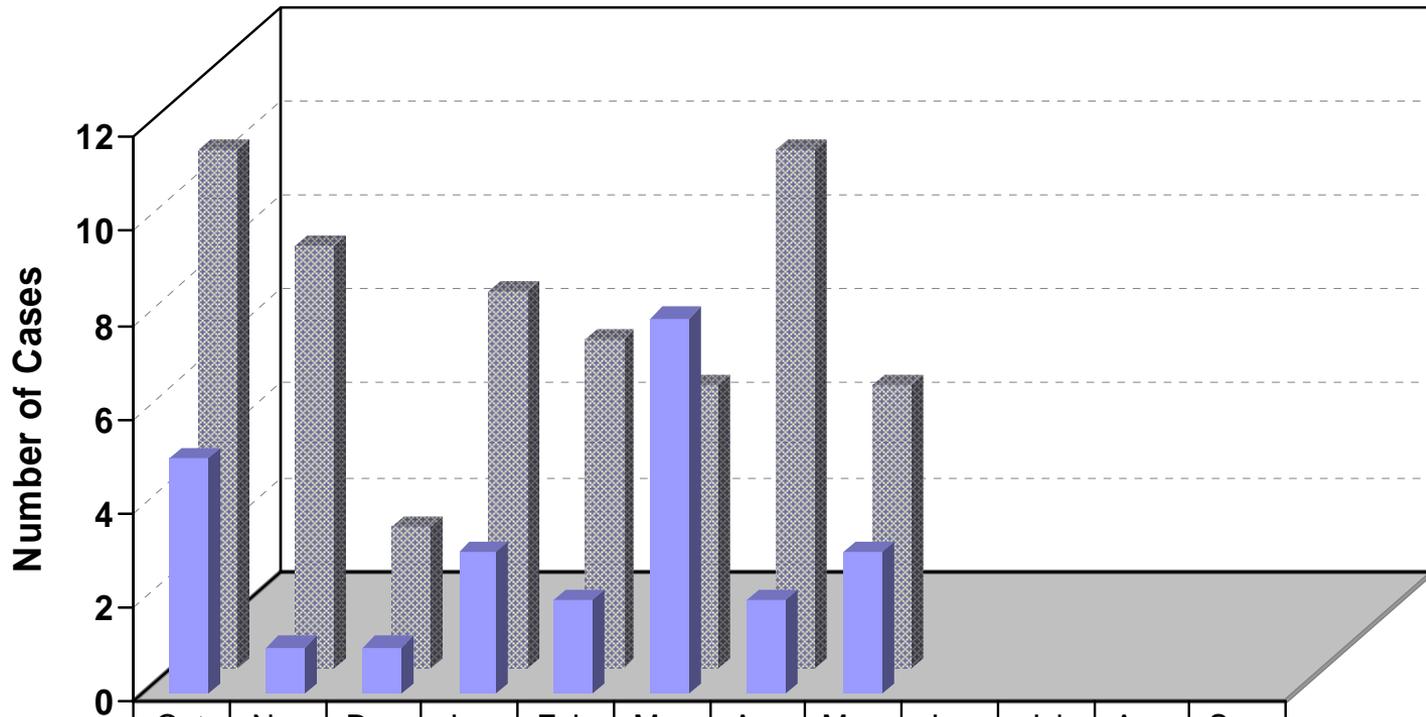


# First Aid to Recordable Case Ratio

through May 31, 2011

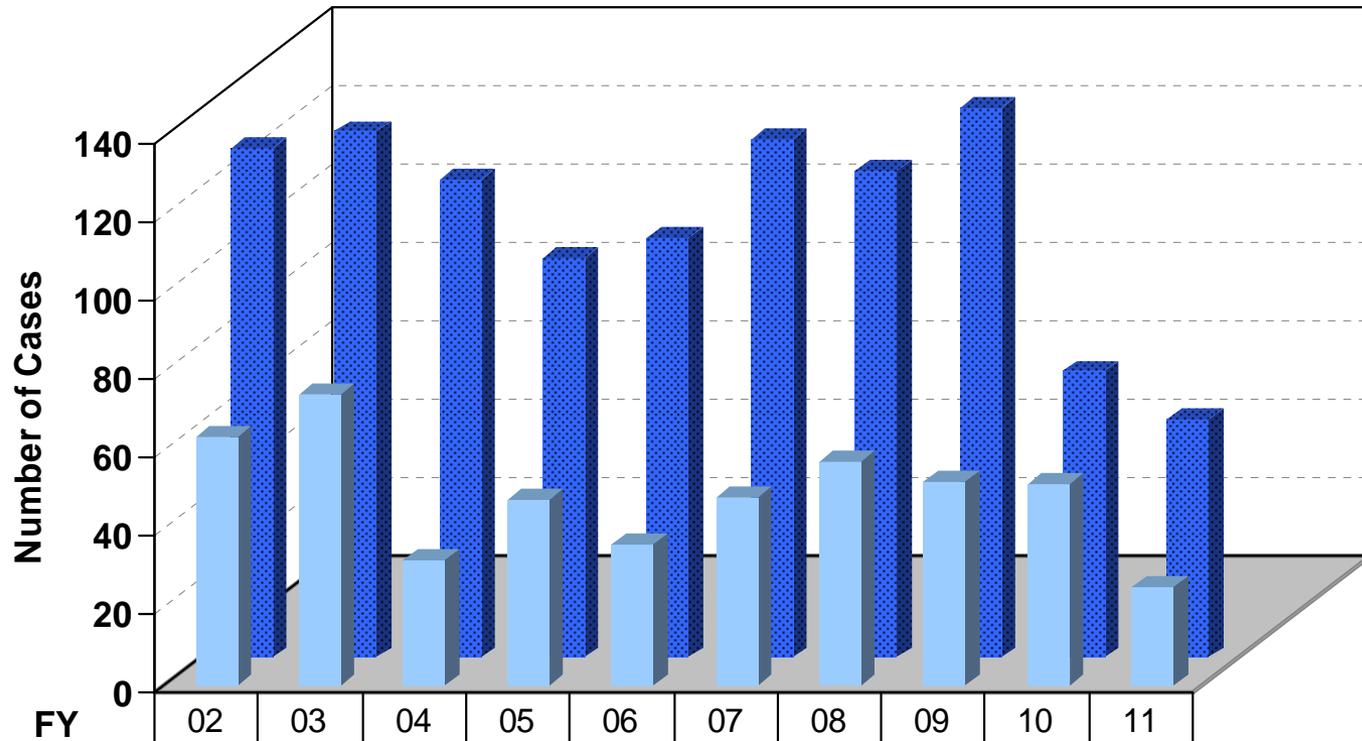


## FY2011 First Aid to Recordable Comparison through May 31, 2011



|                   | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ■ REC             | 5   | 1   | 1   | 3   | 2   | 8   | 2   | 3   |     |     |     |     |
| ■ FA              | 11  | 9   | 3   | 8   | 7   | 6   | 11  | 6   |     |     |     |     |
| FA to REC Ratio   | 2.2 | 9.0 | 3.0 | 2.7 | 3.5 | 0.8 | 5.5 | 2.0 |     |     |     |     |
| % of Total as FA  | 69  | 90  | 75  | 73  | 78  | 43  | 85  | 67  |     |     |     |     |
| % of Total as REC | 31  | 10  | 25  | 27  | 22  | 57  | 15  | 33  |     |     |     |     |

## FY02 to FY2011 First Aid to Recordable Comparison through May 31, 2011



| FY                | 02  | 03  | 04  | 05  | 06  | 07  | 08  | 09  | 10  | 11  |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| REC               | 63  | 74  | 32  | 47  | 36  | 48  | 57  | 52  | 51  | 25  |
| FA                | 130 | 134 | 122 | 102 | 107 | 132 | 124 | 140 | 73  | 61  |
| FA to REC Ratio   | 2.1 | 1.8 | 3.8 | 2.2 | 3.0 | 2.8 | 2.2 | 2.7 | 1.4 | 2.4 |
| % of Total as FA  | 67  | 64  | 79  | 68  | 75  | 73  | 69  | 73  | 59  | 71  |
| % of Total as REC | 33  | 36  | 21  | 32  | 25  | 27  | 31  | 27  | 41  | 29  |

# LBNL Total Recordable Cases October 1, 2010 - September 30, 2011 (FY11)

|   | Oct-10   | Nov-10   | Dec-10   | Jan-11   | Feb-11   | Mar-11   | Apr-11   | May-11   | Jun-11   | Jul-11   | Aug-11   | Sep-11   | 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         |
| NERSC Center                              | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| <b>General Sciences</b>                   | 0        | 0        | 1        | 1        | 1        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 4         |
| AFRD                                      | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 2         |
| Engineering                               | 0        | 0        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 2         |
| 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        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 1         |
| Earth Sciences                            | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| Genomics                                  | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 1         |
| Life Sciences                             | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| <b>Physical Sciences</b>                  | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1         |
| ALS                                       | 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         |
| Environmental Energy Tech.                | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| Materials Sciences                        | 1        | 0        | 0        | 0        | 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>LBNL Research Sub-Total</b>            | <b>1</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>6</b>  |
| <b>LBNL Support</b>                       |          |          |          |          |          |          |          |          |          |          |          |          |           |
| Environment, Health & Safety              | 0        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 2         |
| Facilities                                | 1        | 0        | 0        | 0        | 0        | 3        | 1        | 2        | 0        | 0        | 0        | 0        | 7         |
| Human Resources                           | 0        | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 2         |
| Information Technology                    | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 2         |
| Public Affairs                            | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| CFO                                       | 1        | 0        | 0        | 1        | 0        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 4         |
| Directorate                               | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| <b>LBNL Support Sub-Total</b>             | <b>2</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>7</b> | <b>1</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>17</b> |
| <b>LBNL Total</b>                         | <b>3</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>2</b> | <b>8</b> | <b>2</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>23</b> |
| <b>LBNL Construction</b>                  | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1         |
| <b>LBNL Service Subcontractors</b>        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1         |
| <b>Site Grand Total</b>                   | <b>5</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>2</b> | <b>8</b> | <b>2</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>25</b> |
| <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 5/31/11

Notes: Projections assume that hours worked will remain constant

# LBNL DART (Days Away, Restricted, Transferred) Cases Oct 1, 2010 - September 30, 2011 (FY11)

|   | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | May-11 | Jun-11 | Jul-11 | Aug-11 | Sep-11 | 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         |
| NERSC Center                              | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0         |
| <b>General Sciences</b>                   | 0      | 0      | 0      | 1      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 2         |
| AFRD                                      | 0      | 0      | 0      | 1      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 2         |
| 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>Life &amp; Environmental Sciences</b>  | 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         |
| 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      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0         |
| ALS                                       | 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         |
| 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         |
| Physical Biosciences                      | 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      | 1      | 0      | 0      | 0      | 0      | 0      | 2         |
| <b>LBNL Support</b>                       |        |        |        |        |        |        |        |        |        |        |        |        |           |
| Environment, Health & Safety              | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0         |
| Facilities                                | 1      | 0      | 0      | 0      | 0      | 2      | 1      | 2      | 0      | 0      | 0      | 0      | 6         |
| 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                                       | 1      | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 2         |
| Directorate                               | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0         |
| <b>LBNL Support Sub-Total</b>             | 2      | 0      | 0      | 0      | 0      | 3      | 1      | 2      | 0      | 0      | 0      | 0      | 8         |
| <b>LBNL Total</b>                         | 2      | 0      | 0      | 1      | 0      | 3      | 2      | 2      | 0      | 0      | 0      | 0      | 10        |
| <b>LBNL Construction</b>                  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0         |
| <b>LBNL Service Subcontractors</b>        | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1         |
| <b>Site Grand Total</b>                   | 3      | 0      | 0      | 1      | 0      | 3      | 2      | 2      | 0      | 0      | 0      | 0      | 11        |
| <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 5/31/11

Notes: Projections assume that hours worked will remain constant