

1800 K Street, NW  
Suite 400  
Washington, DC 20006

Phone: 1.202.775.3270

Fax: 1.202.775.3199

Email:  
acordesman@gmail.com

Web:

[www.csis.org/burke/reports](http://www.csis.org/burke/reports)



# IED Metrics for Afghanistan January 2004-May 2010

**Anthony H. Cordesman and Jason Lemieux**  
Arleigh A. Burke Chair in Strategy

**CSIS**

CENTER FOR STRATEGIC &  
INTERNATIONAL STUDIES

Burke Chair  
in Strategy

*July 21, 2010*

[www.csis.org](http://www.csis.org)

# IED Incidents in Afghanistan, Jan 2004-May 2010

## Part One

Mo/Yr	CF KIA	CF WIA	CAS	Effective Incidents	Ineffective Incidents	Found and Cleared	Turn In	Total IED Incidents
Jan-04	0	2	2	1	5	7	1	14
Feb-04	0	5	5	3	5	1	0	9
Mar-04	0	3	3	1	6	1	0	8
Apr-04	0	3	3	1	14	0	1	16
May-04	4	2	6	2	22	16	1	41
Jun-04	2	8	10	5	23	8	1	37
Jul-04	0	6	6	4	22	12	1	39
Aug-04	2	7	9	5	18	16	4	43
Sep-04	0	7	7	4	12	17	1	34
Oct-04	1	16	17	7	29	29	3	68
Nov-04	2	2	4	2	9	11	4	26
Dec-04	0	1	1	1	4	9	3	17
Jan-05	1	3	4	1	11	11	3	26
Feb-05	0	3	3	1	2	12	7	22
Mar-05	1	8	9	5	13	18	4	40
Apr-05	1	2	3	1	19	27	7	54
May-05	1	9	10	5	20	17	4	46
Jun-05	2	15	17	5	25	25	4	59
Jul-05	0	16	16	3	19	16	1	39
Aug-05	9	17	26	9	31	31	10	81
Sep-05	1	16	17	6	45	40	7	98
Oct-05	1	16	17	11	29	26	4	70
Nov-05	3	10	13	5	18	17	7	47
Dec-05	1	18	19	9	31	15	7	62
Jan-06	1	7	8	4	25	29	8	66
Feb-06	5	4	9	3	39	32	4	78
Mar-06	4	11	15	5	40	48	10	103
Apr-06	4	15	19	7	53	55	9	124
May-06	2	22	24	11	53	62	9	135
Jun-06	6	32	38	15	54	55	15	139
Jul-06	1	21	22	9	55	59	15	138
Aug-06	7	21	28	12	80	70	22	184
Sep-06	11	74	85	22	78	79	16	195
Oct-06	6	29	35	17	65	70	11	163

# IED Incidents in Afghanistan, Jan 2004-May 2010

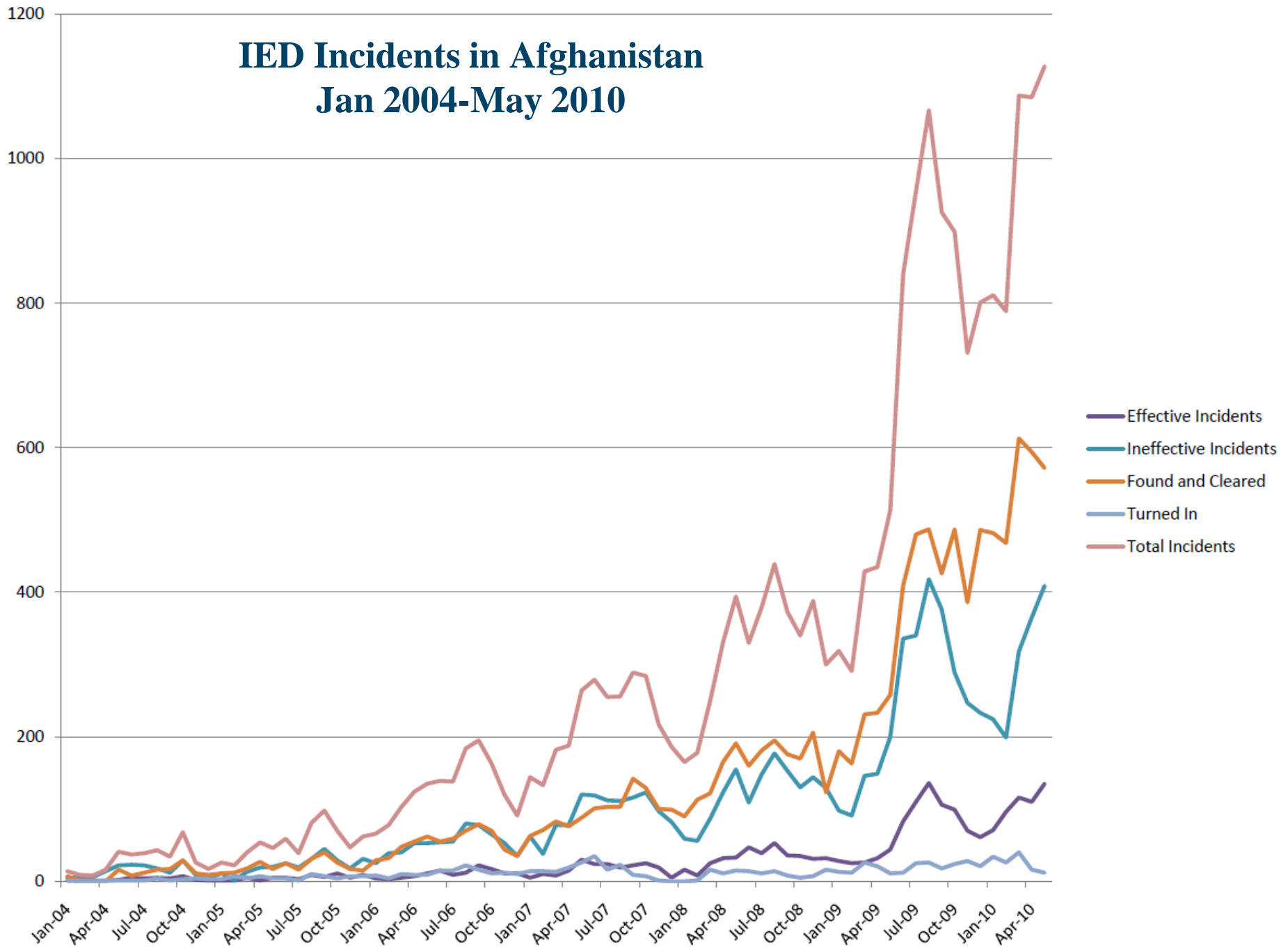
## Part Two

Mo/Yr	CF KIA	CF WIA	CAS	Effective Incidents	Ineffective Incidents	Found and Cleared	Turn In	Total IED Incidents
Nov-06	4	18	22	11	53	44	12	120
Dec-06	1	25	26	11	35	35	10	91
Jan-07	0	13	13	5	62	63	14	144
Feb-07	4	20	24	10	38	71	14	133
Mar-07	0	16	16	8	78	83	13	182
Apr-07	11	25	36	15	78	76	19	188
May-07	3	65	68	30	120	88	26	264
Jun-07	15	43	58	24	119	101	35	279
Jul-07	12	55	67	24	112	103	16	255
Aug-07	10	40	50	19	111	103	23	256
Sep-07	9	44	53	22	116	142	9	289
Oct-07	5	49	54	25	123	129	7	284
Nov-07	4	33	37	19	97	100	1	217
Dec-07	4	12	16	5	82	99	0	186
Jan-08	6	37	43	16	59	90	0	165
Feb-08	4	12	16	8	56	113	1	178
Mar-08	12	62	74	25	87	122	16	250
Apr-08	17	56	73	32	123	165	11	331
May-08	11	70	81	33	155	191	15	394
Jun-08	25	90	115	47	109	160	14	330
Jul-08	8	74	82	39	148	181	11	379
Aug-08	26	114	140	53	177	195	14	439
Sep-08	22	71	93	36	153	176	8	373
Oct-08	13	72	85	35	130	170	5	340
Nov-08	10	79	89	31	144	206	7	388
Dec-08	29	53	82	32	129	123	16	300
Jan-09	14	64	78	28	98	180	13	319
Feb-09	18	33	51	25	91	163	12	291
Mar-09	21	57	78	26	146	231	26	429
Apr-09	6	52	58	32	149	233	21	435
May-09	12	92	104	44	200	258	11	513
Jun-09	22	167	189	83	336	409	12	840
Jul-09	49	237	286	110	340	480	25	955
Aug-09	55	333	388	136	418	487	26	1067
Sep-09	37	285	322	106	376	426	18	926
Oct-09	43	221	264	99	289	487	24	899
Nov-09	18	143	161	70	247	386	28	731
Dec-09	27	129	156	61	233	486	21	801
Jan-10	31	143	174	71	224	482	34	811
Feb-10	30	186	216	96	199	468	26	789
Mar-10	22	252	274	116	318	613	40	1087
Apr-10	17	230	247	110	365	594	16	1085
May-10	34	250	284	135	409	572	12	1128



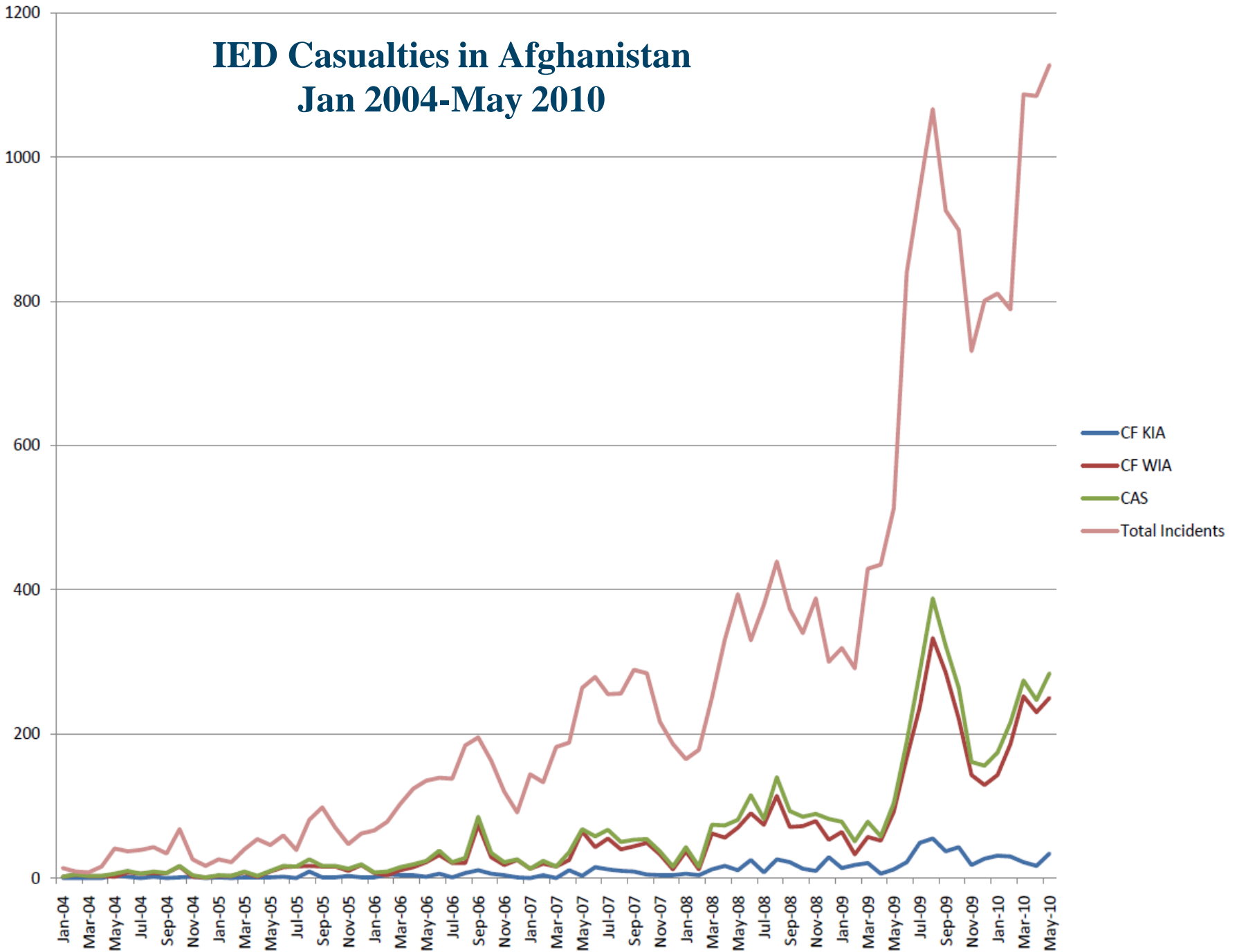
# IED Incidents in Afghanistan

## Jan 2004-May 2010

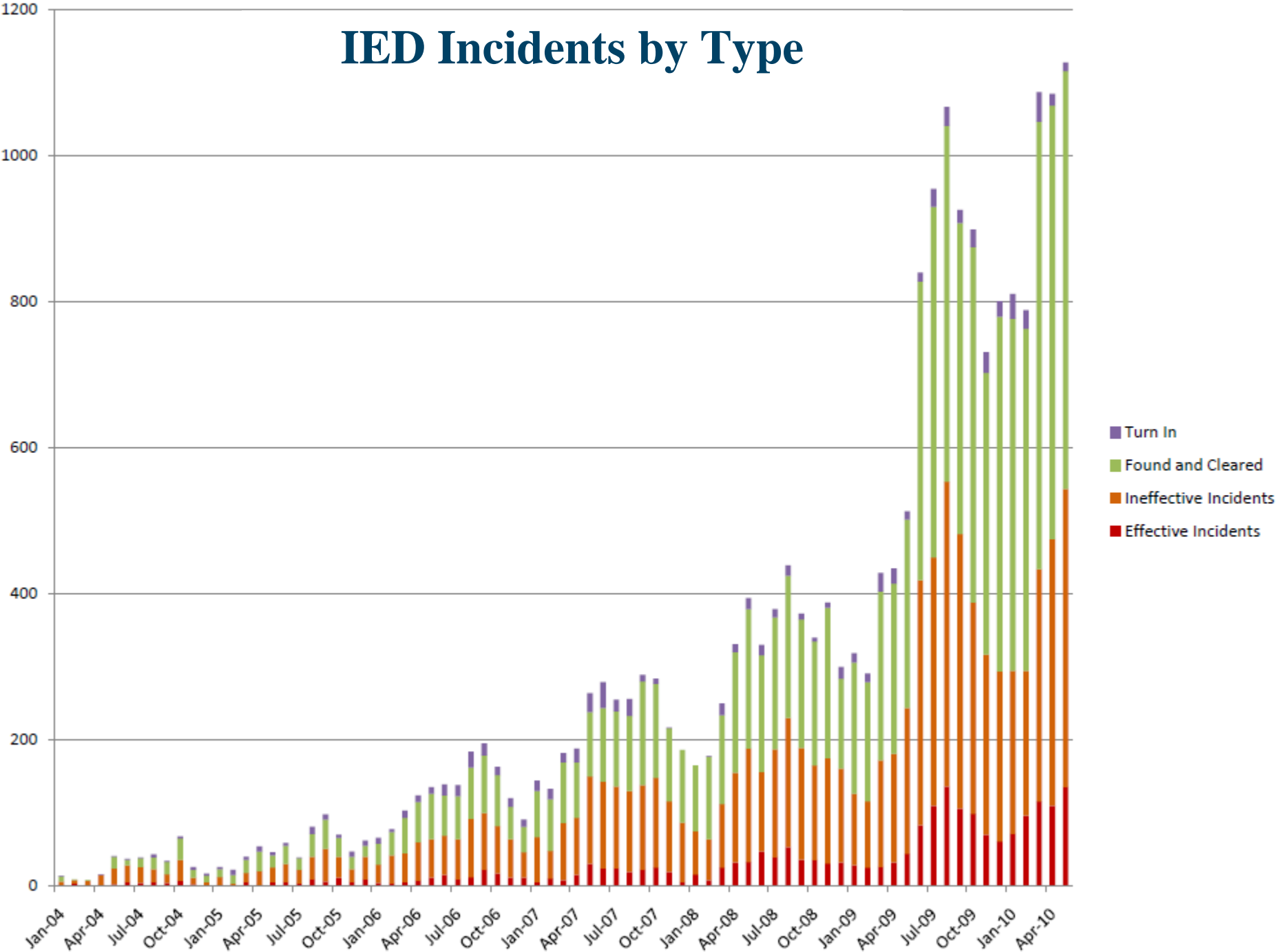


# IED Casualties in Afghanistan

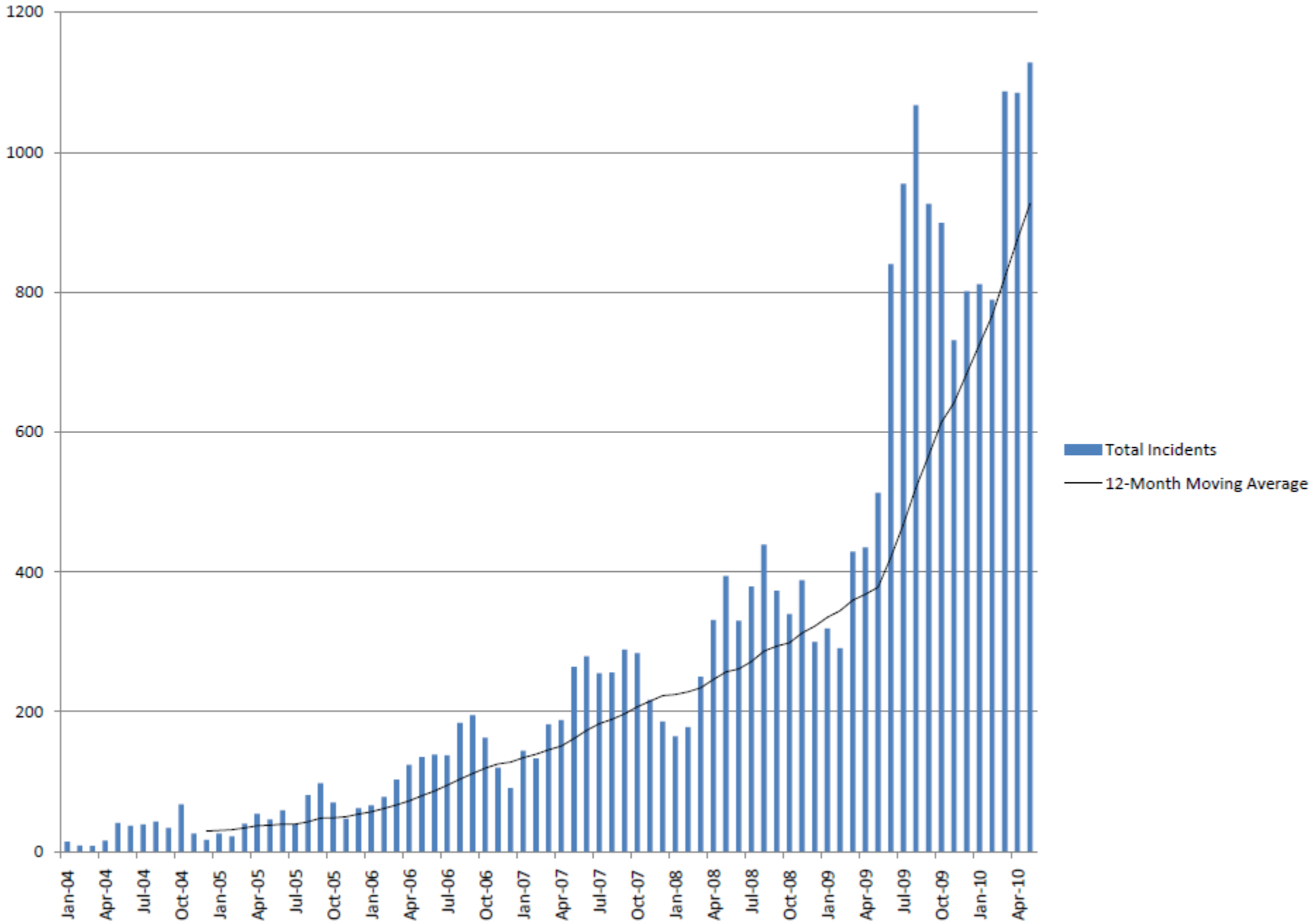
## Jan 2004-May 2010



# IED Incidents by Type

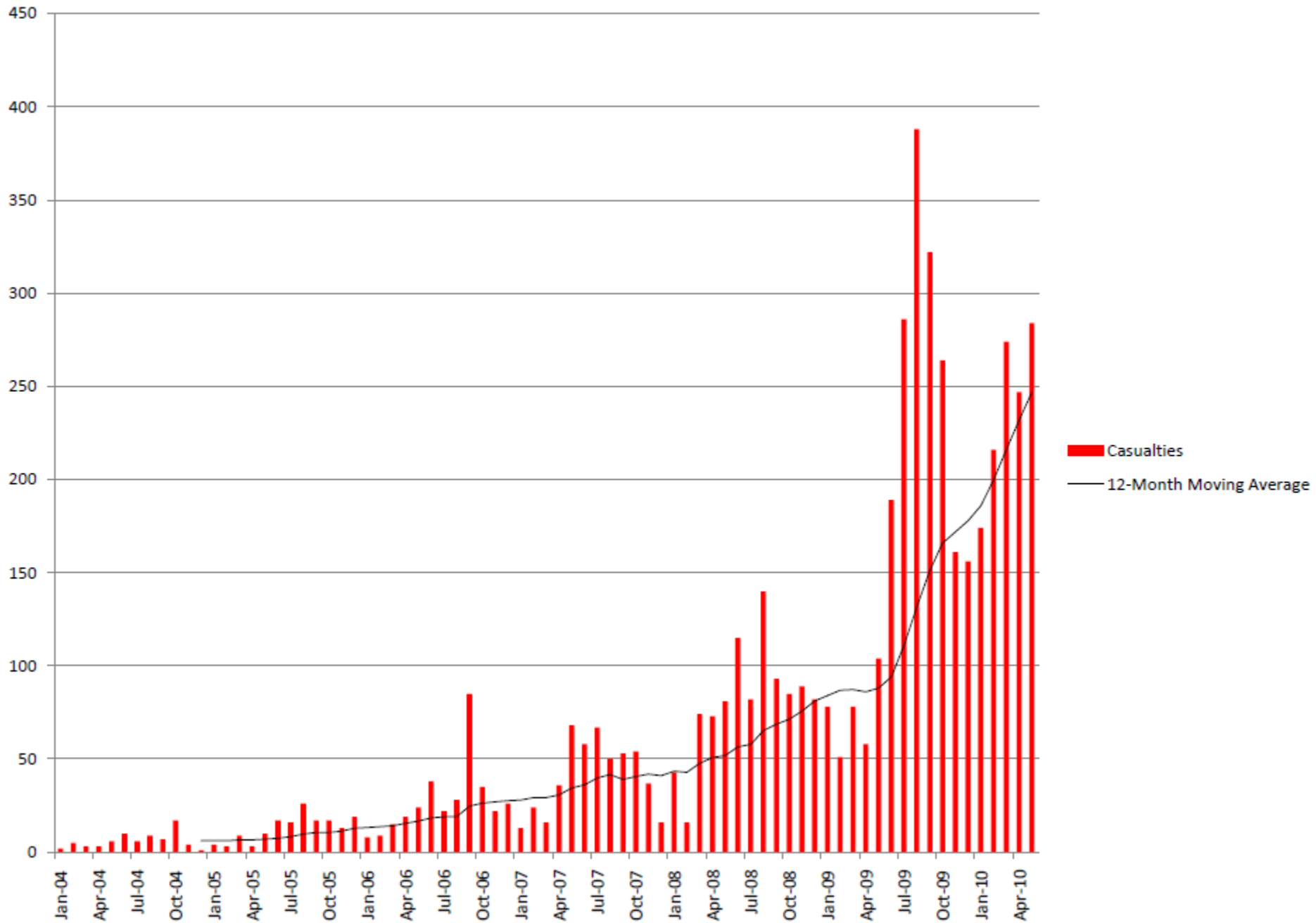


# Total IED Incidents

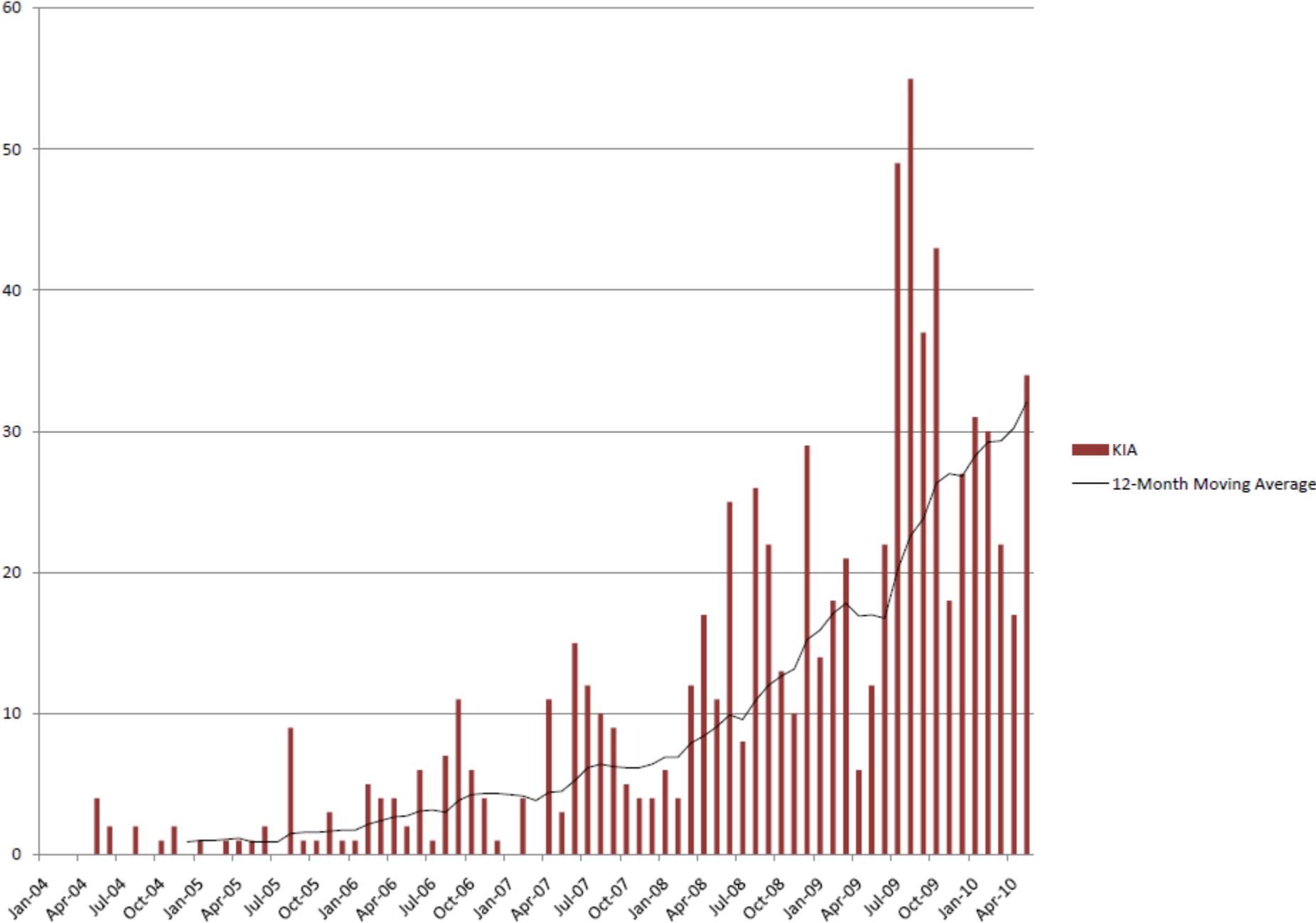




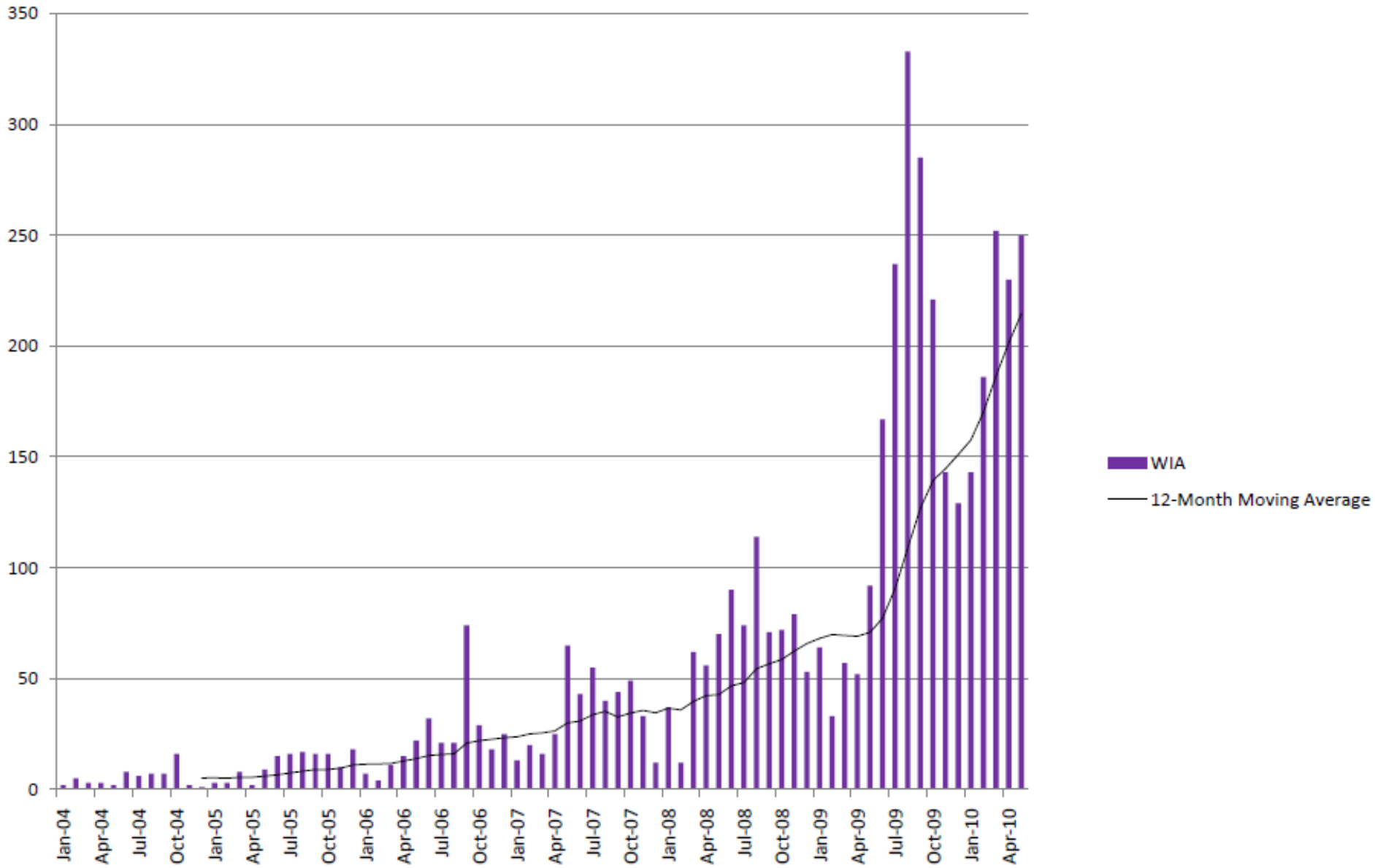
# Casualties



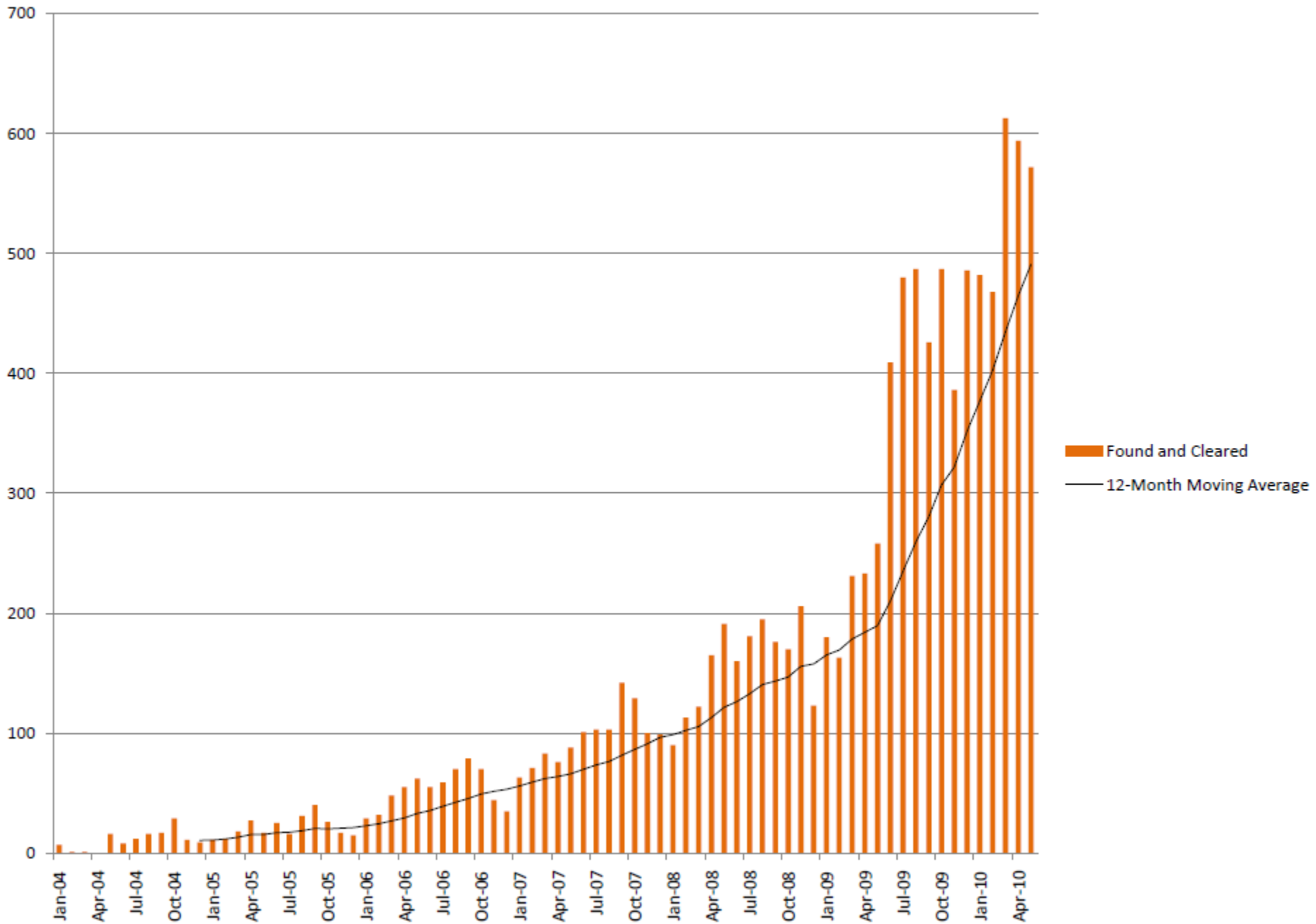
# Coalition Forces Killed in Action



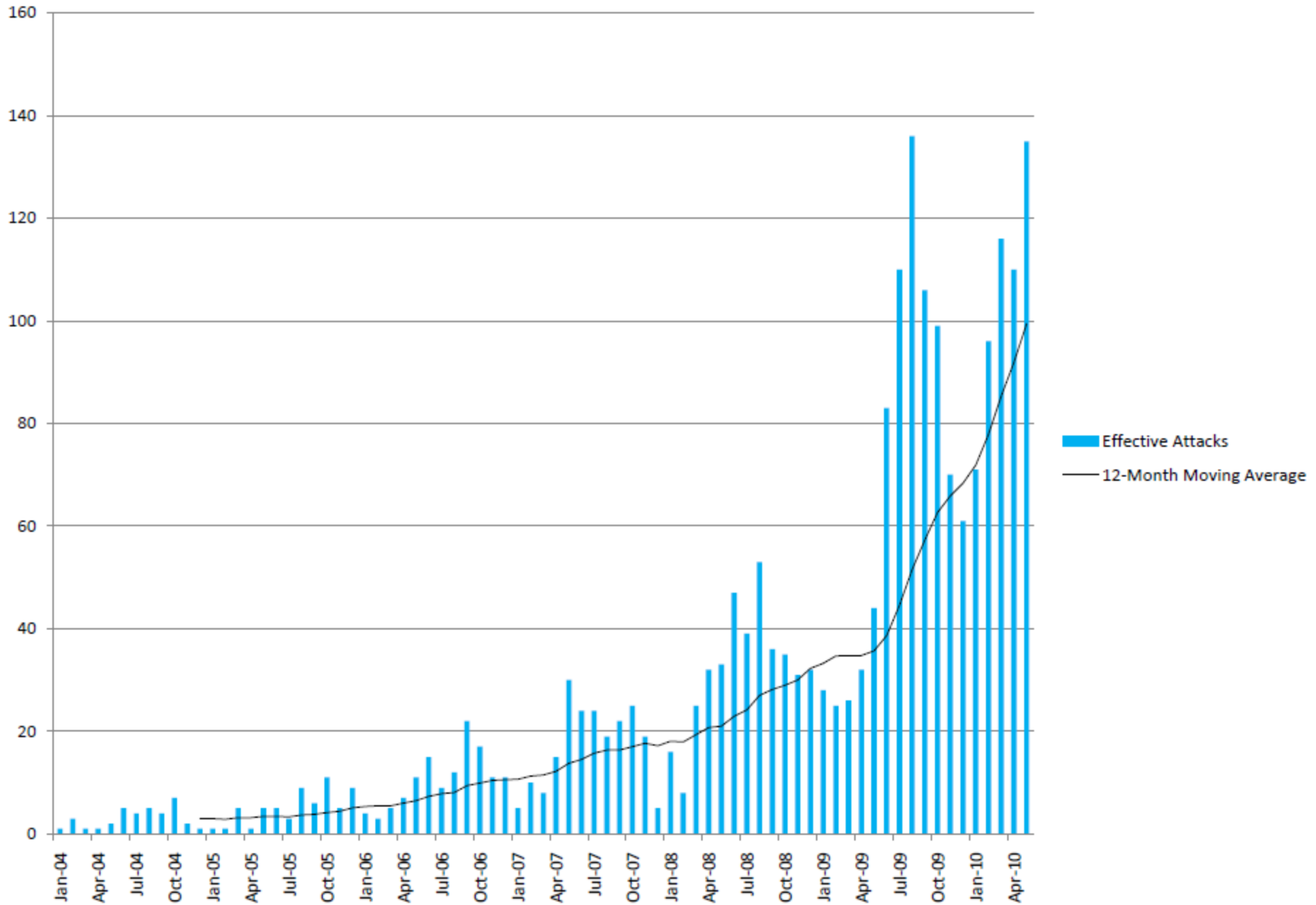
# Coalition Forces Wounded in Action



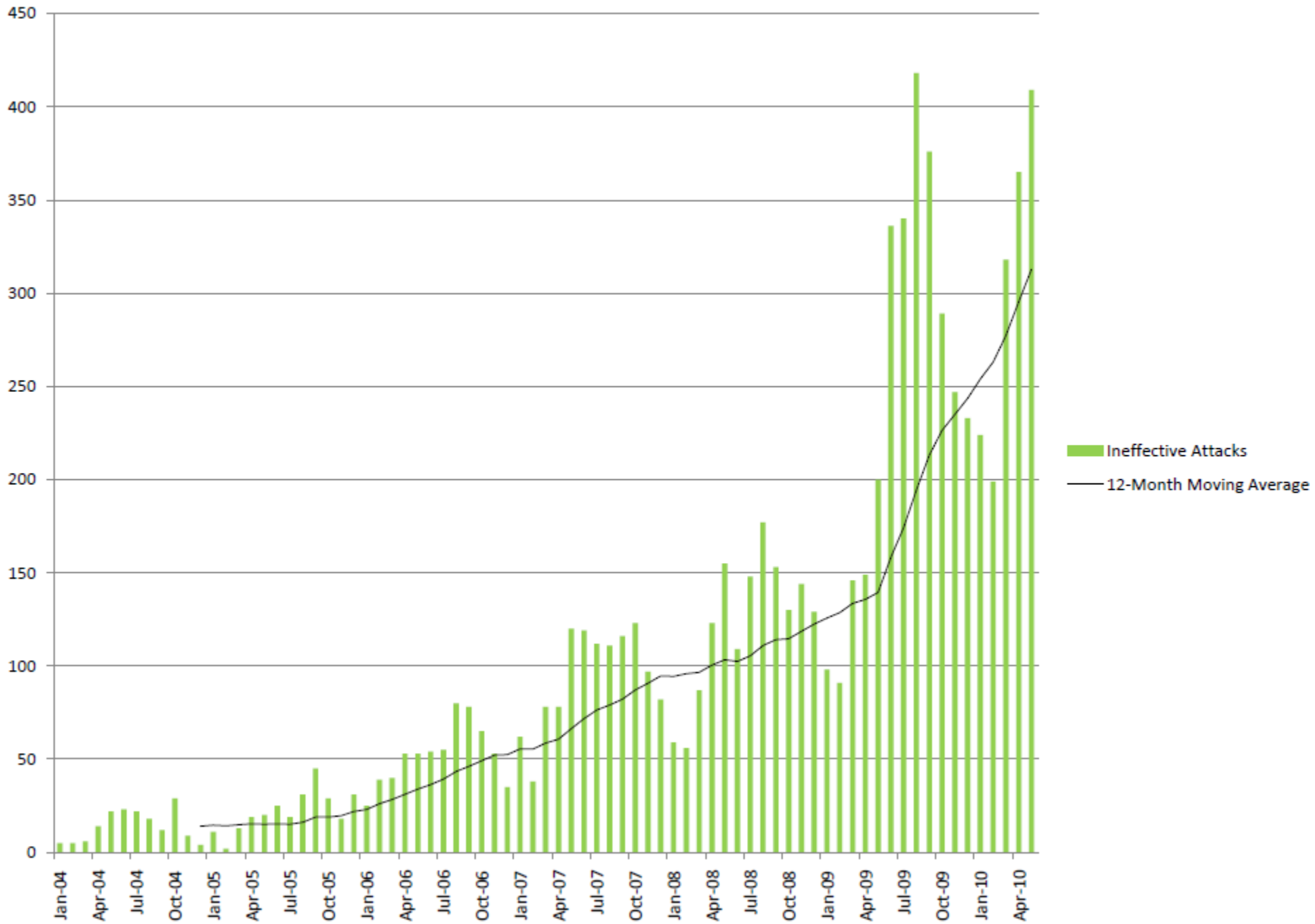
# IEDs Found and Cleared



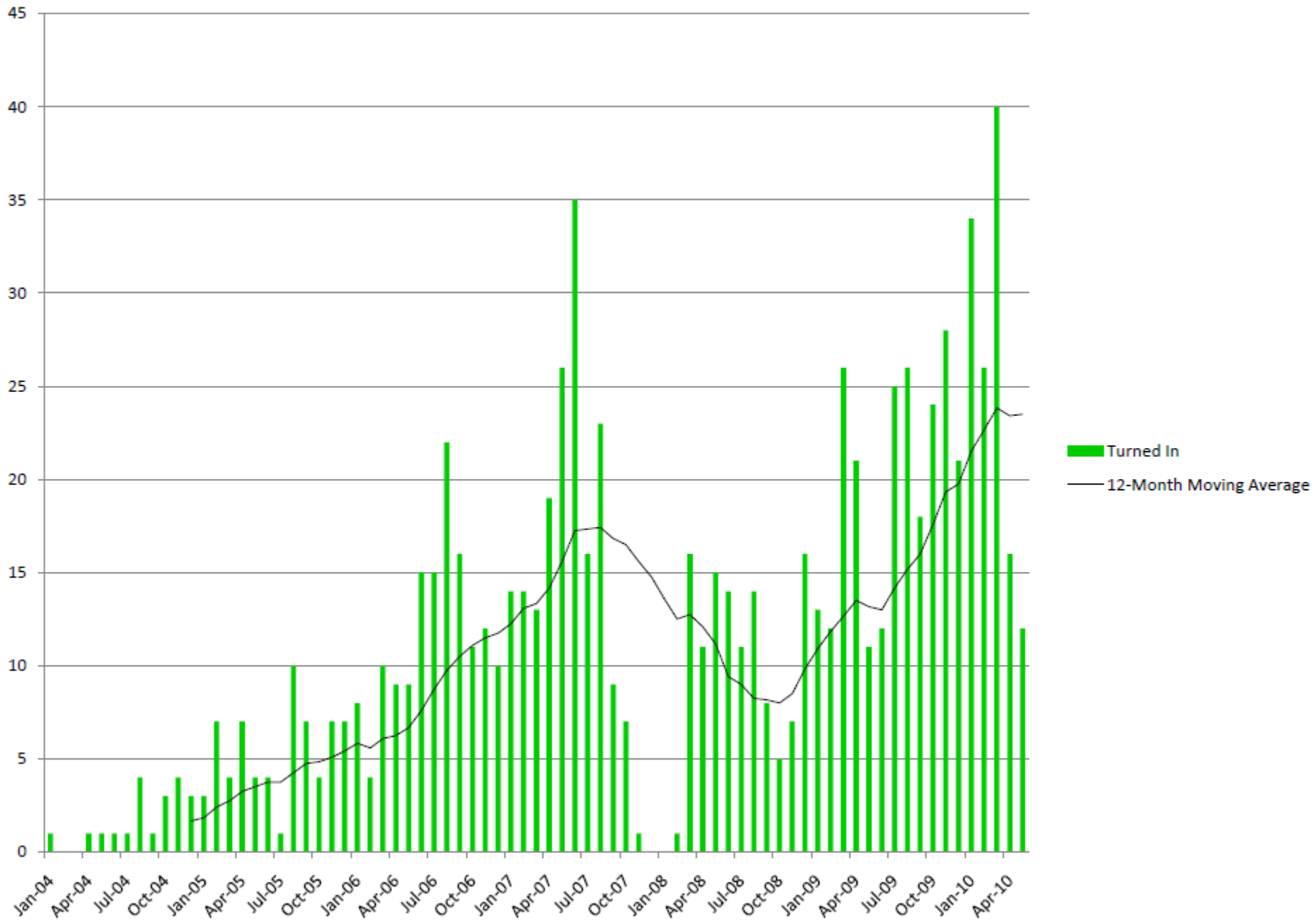
# Effective IED Attacks



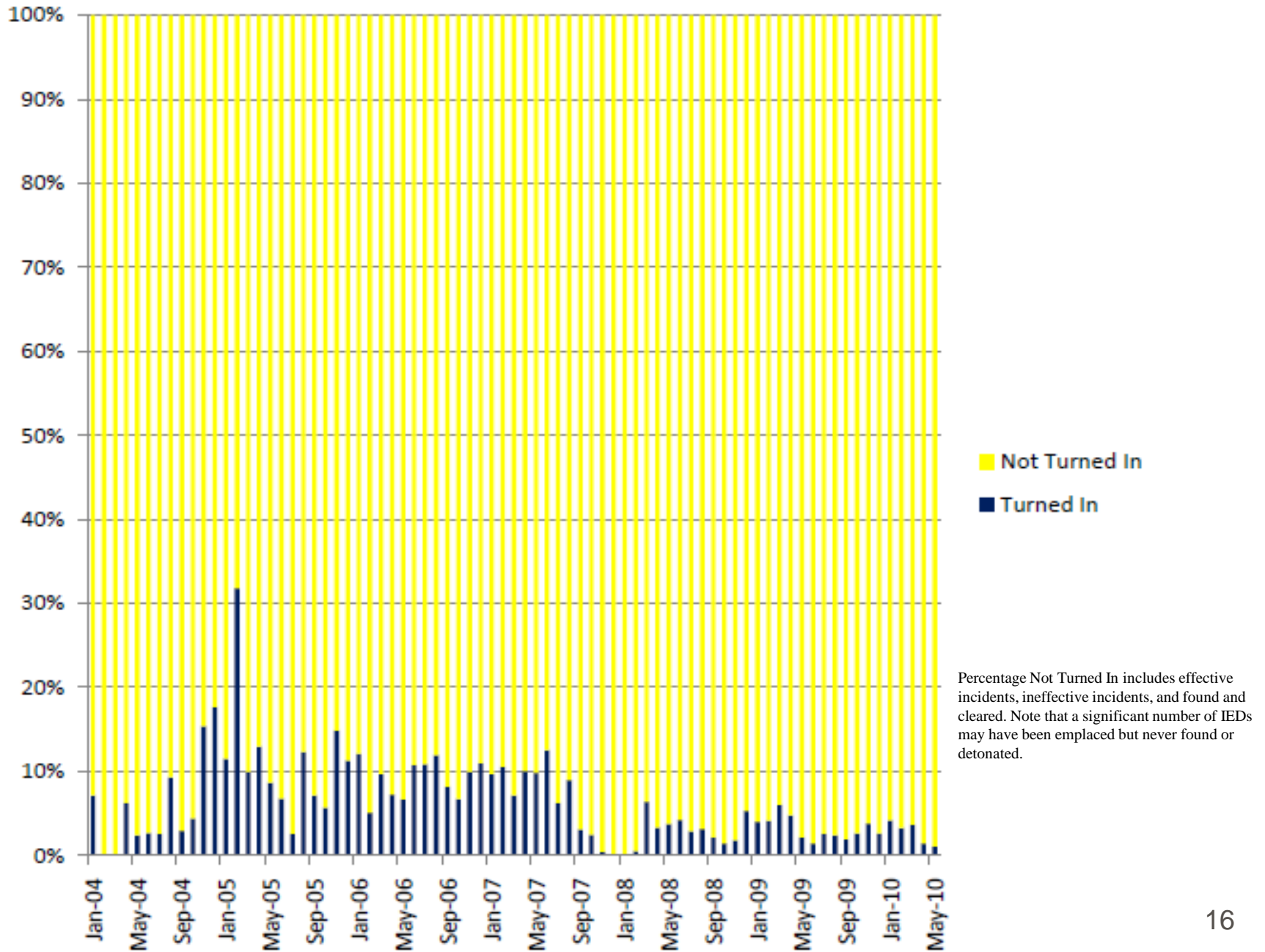
# Ineffective IED Attacks



# IEDs Turned In

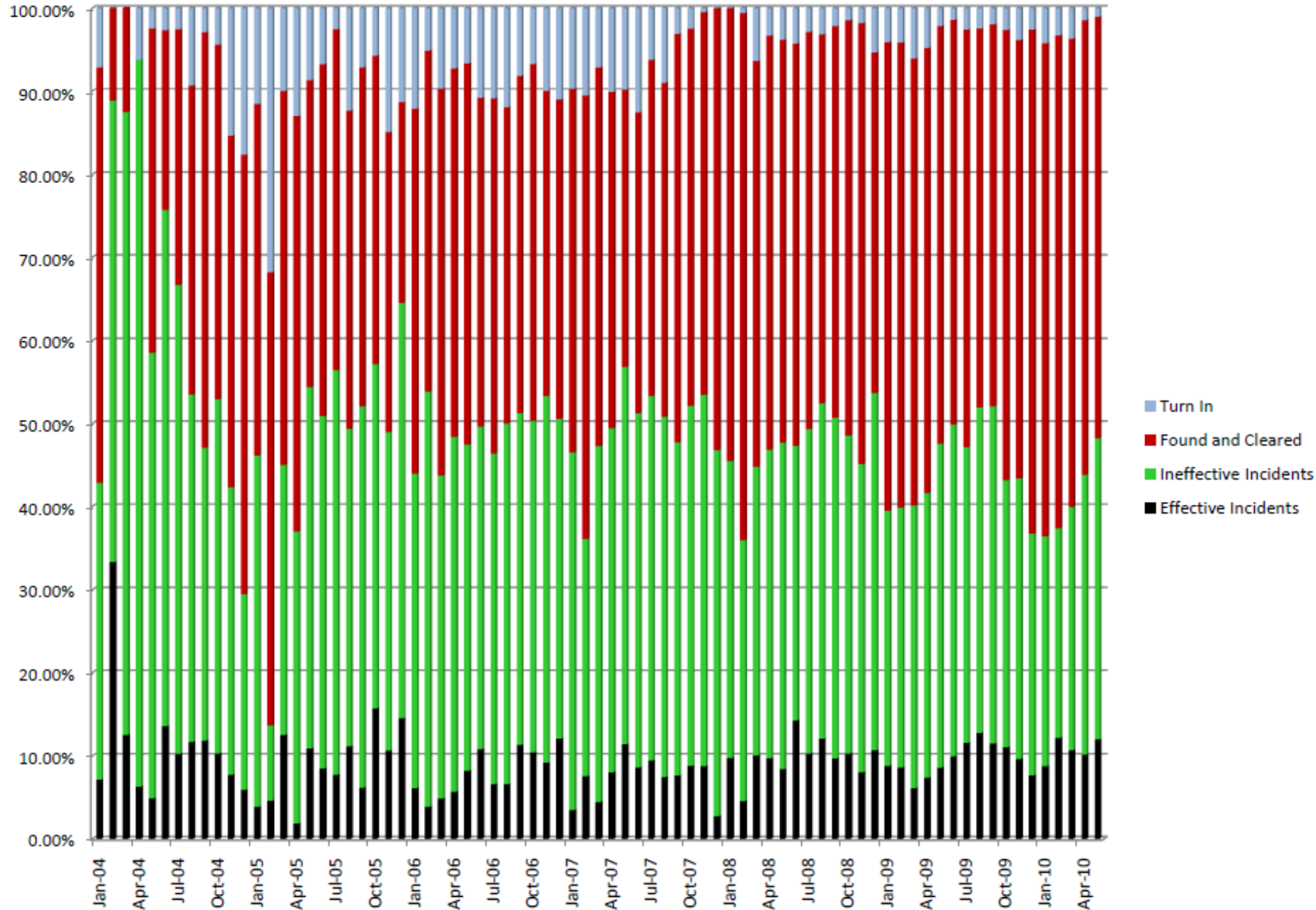


# Percentage of IEDs Turned In

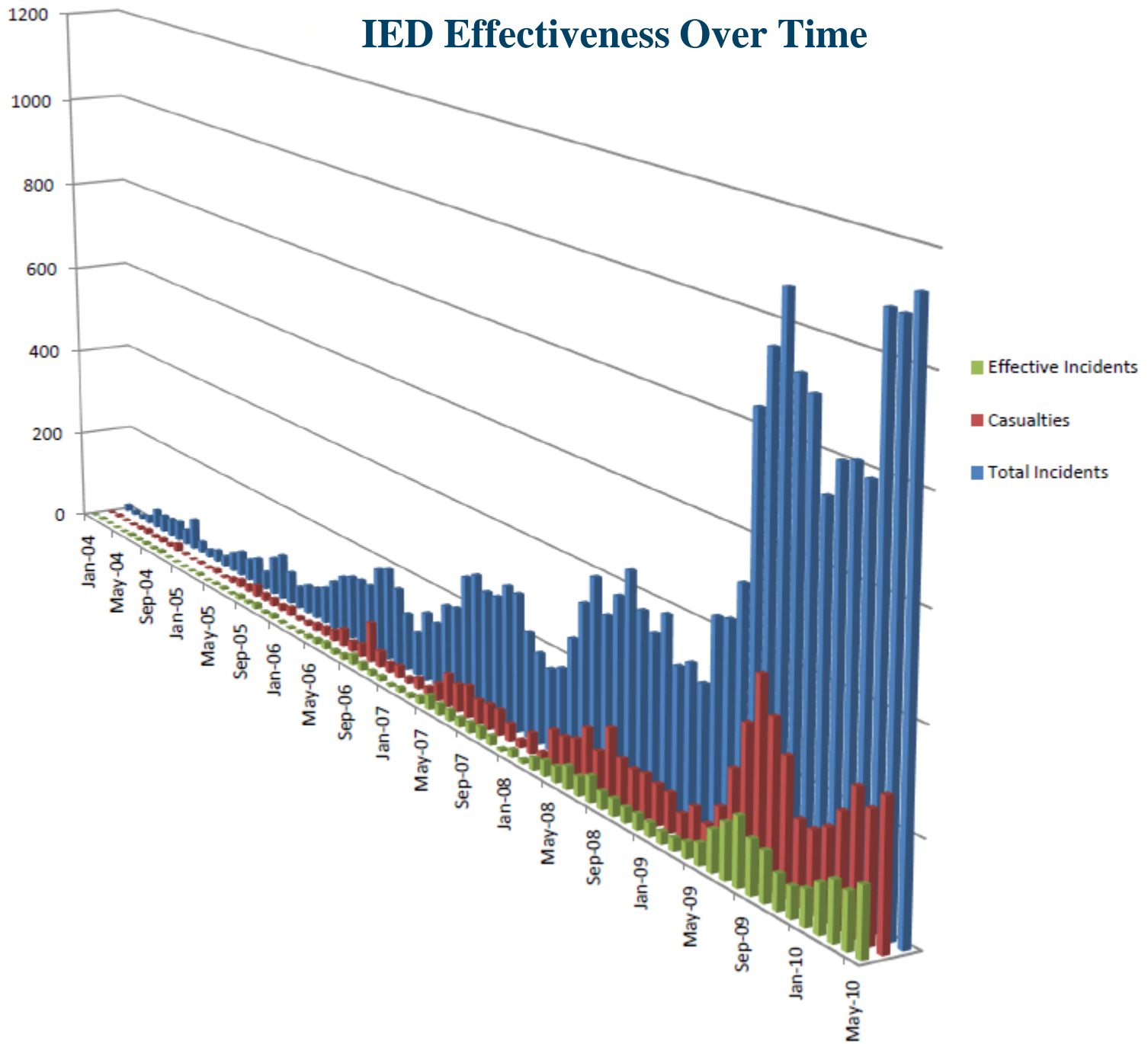




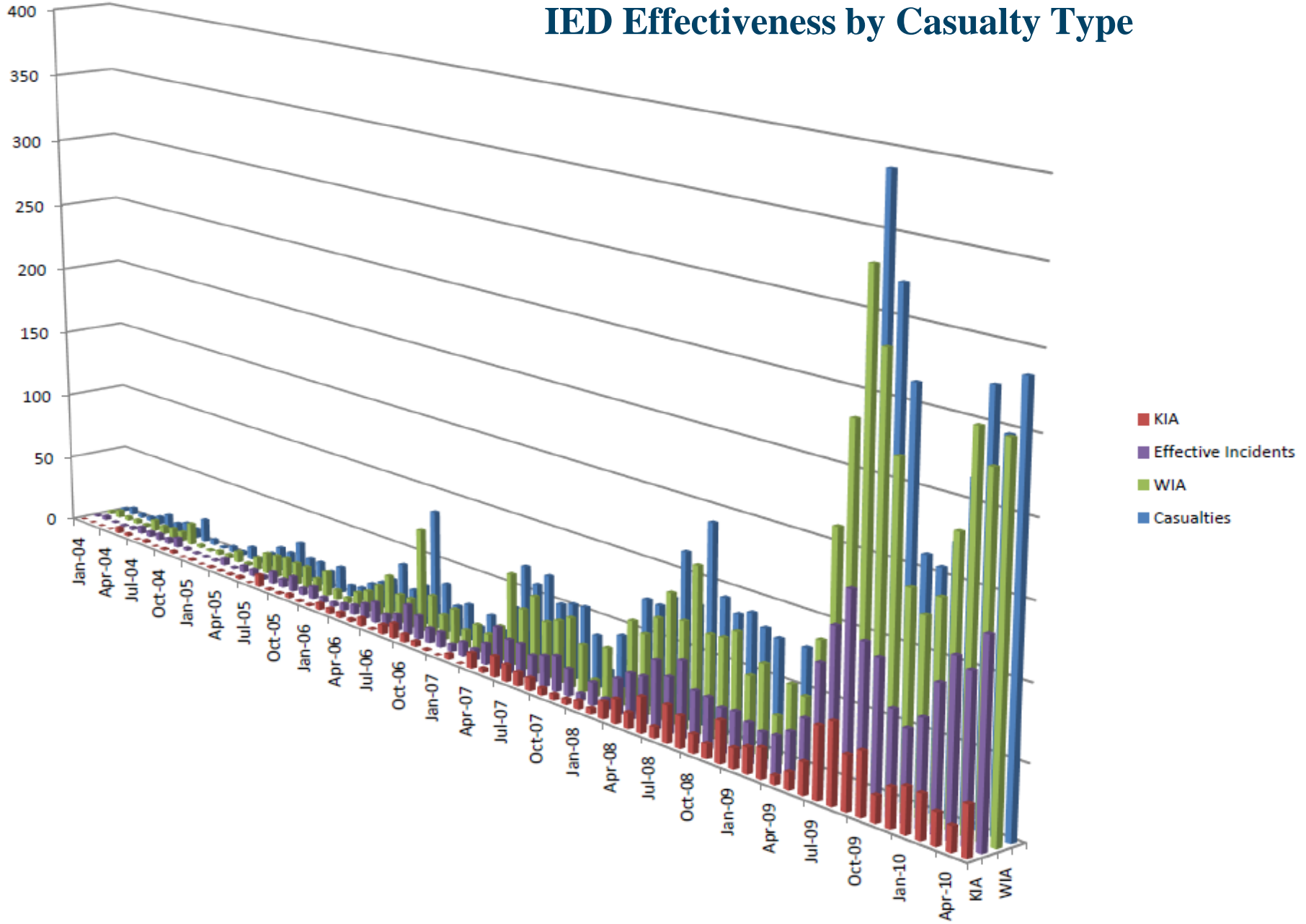
# Relative Frequency of IED Incident Types



# IED Effectiveness Over Time

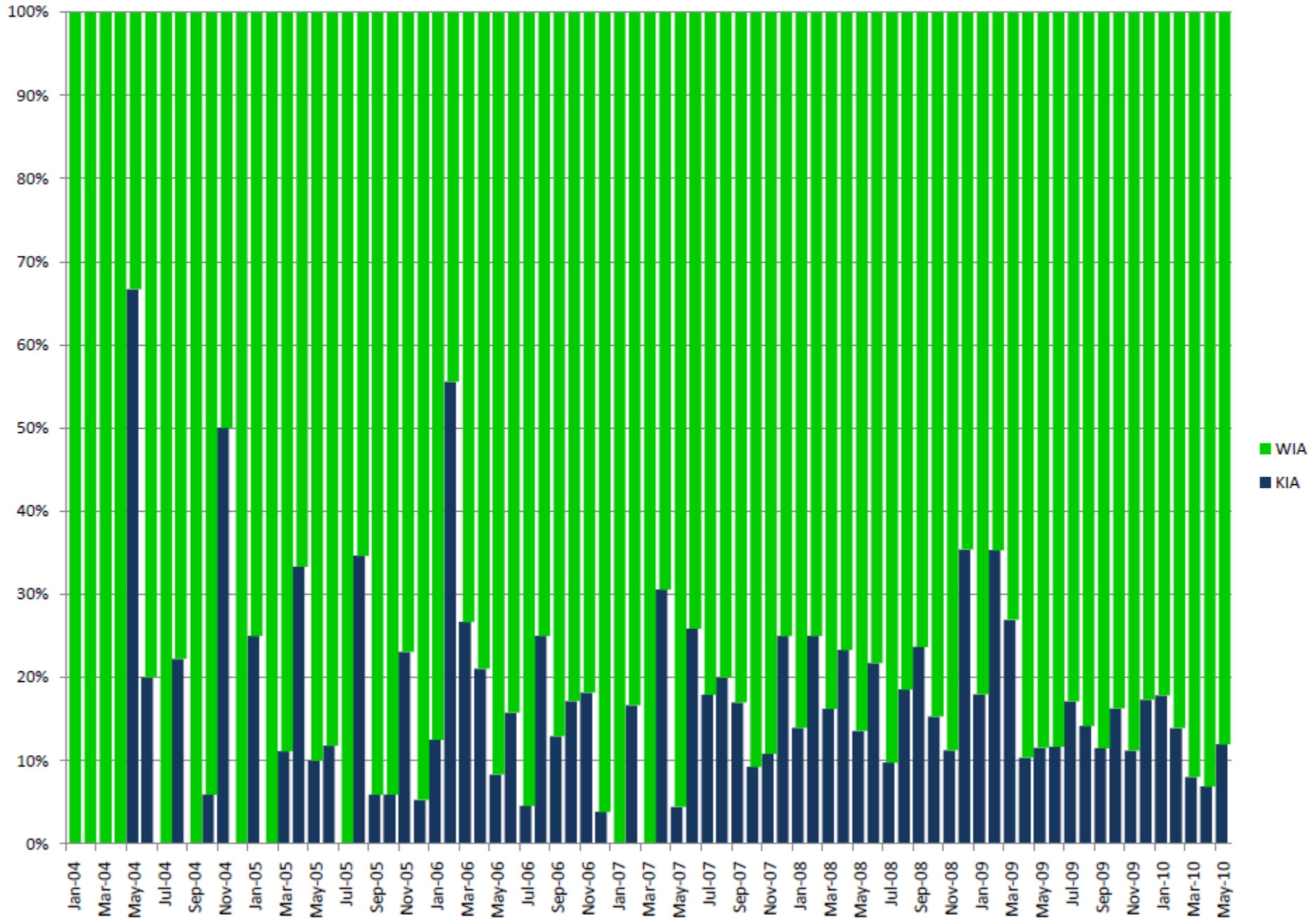


# IED Effectiveness by Casualty Type



# Lethality of IEDs Over Time

KIAs seem to have stabilized at a relatively low percentage of IED casualties in April 2009.



1800 K Street, NW  
Suite 400  
Washington, DC 20006

**Phone:** 1.202.775.3270

**Fax:** 1.202.775.3199

**Email:**  
acordesman@gmail.com

**Web:**

[www.csis.org/burke/reports](http://www.csis.org/burke/reports)



## **IED Metrics for Iraq: June 2003 – May 2010**

**Anthony H. Cordesman  
& Vivek Kocharlakota**  
Arleigh A. Burke Chair in Strategy

**CSIS**

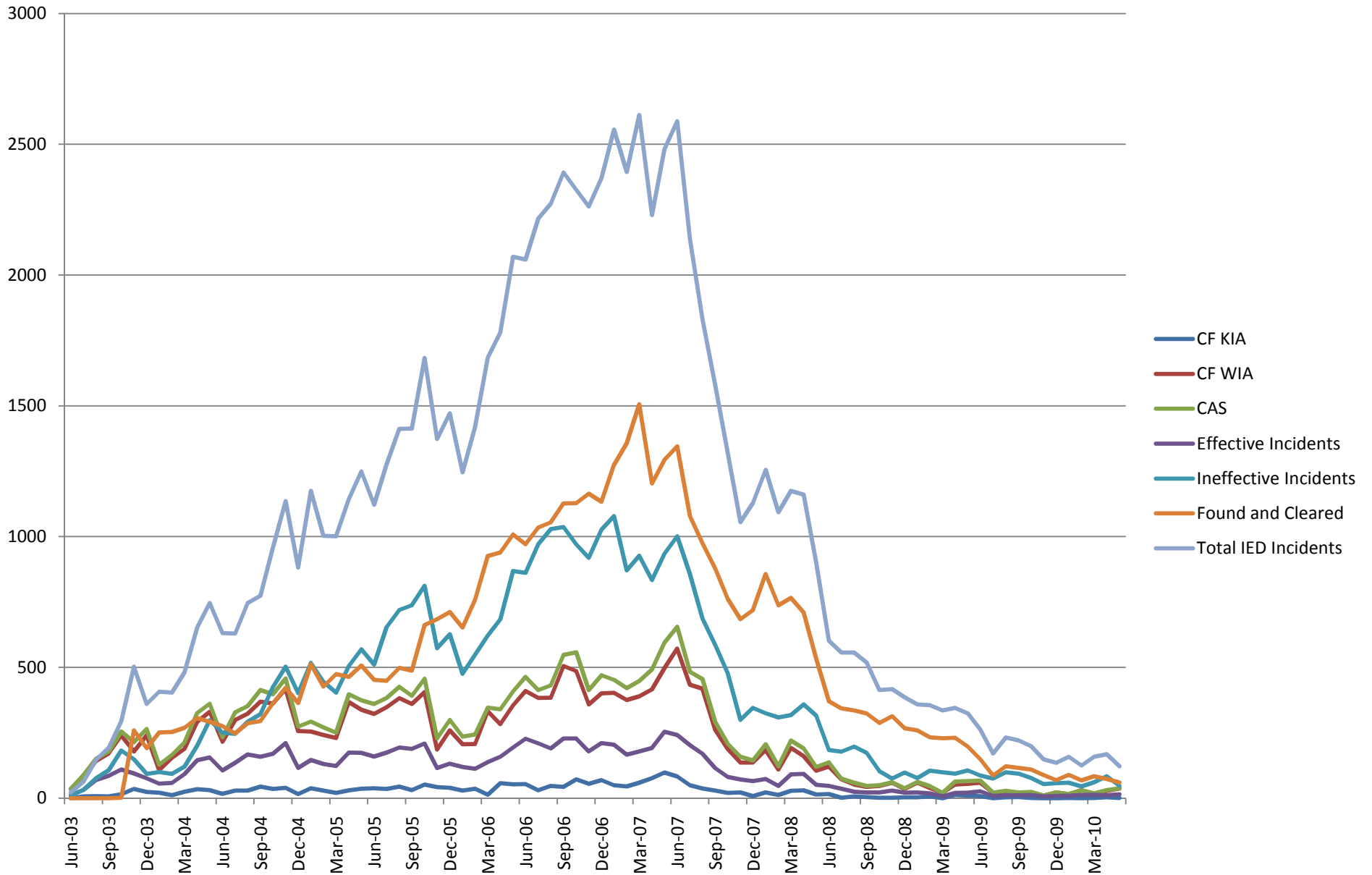
CENTER FOR STRATEGIC &  
INTERNATIONAL STUDIES

Burke Chair  
in Strategy

*July 22, 2010*

[www.csis.org](http://www.csis.org) |

# IED Incidents and Casualty Figures



# IED Incidents in Iraq June 2003 – May 2010

	CF KIA	CF WIA	CAS	Effective Incidents	Ineffective Incidents	Found and Cleared	Total IED Incidents
Jun-03	0	35	35	12	10	0	22
Jul-03	7	81	88	32	32	0	64
Aug-03	8	142	150	70	76	0	146
Sep-03	7	172	179	86	107	0	193
Oct-03	15	240	255	110	182	2	294
Nov-03	35	179	214	95	149	259	503
Dec-03	24	241	265	76	93	191	360
Jan-04	21	107	128	56	100	251	407
Feb-04	11	154	165	58	93	253	404
Mar-04	25	188	213	92	120	269	481
Apr-04	34	292	326	145	201	306	652
May-04	31	330	361	156	298	292	746
Jun-04	17	216	233	106	250	275	631
Jul-04	29	299	328	135	246	248	629
Aug-04	29	323	352	167	292	287	746
Sep-04	44	369	413	158	321	295	774
Oct-04	35	362	397	170	425	363	958
Nov-04	40	418	458	211	503	422	1136
Dec-04	16	257	273	116	402	364	882
Jan-05	38	255	293	146	517	512	1175
Feb-05	29	242	271	131	445	427	1003
Mar-05	20	230	250	123	404	474	1001
Apr-05	30	367	397	174	505	464	1143
May-05	36	338	374	173	569	507	1249
Jun-05	38	322	360	159	511	452	1122
Jul-05	35	348	383	174	654	449	1277
Aug-05	44	382	426	194	720	498	1412
Sep-05	31	360	391	188	737	488	1413
Oct-05	52	405	457	209	812	662	1683



# IED Incidents in Iraq June 2003 – May 2010 Part II

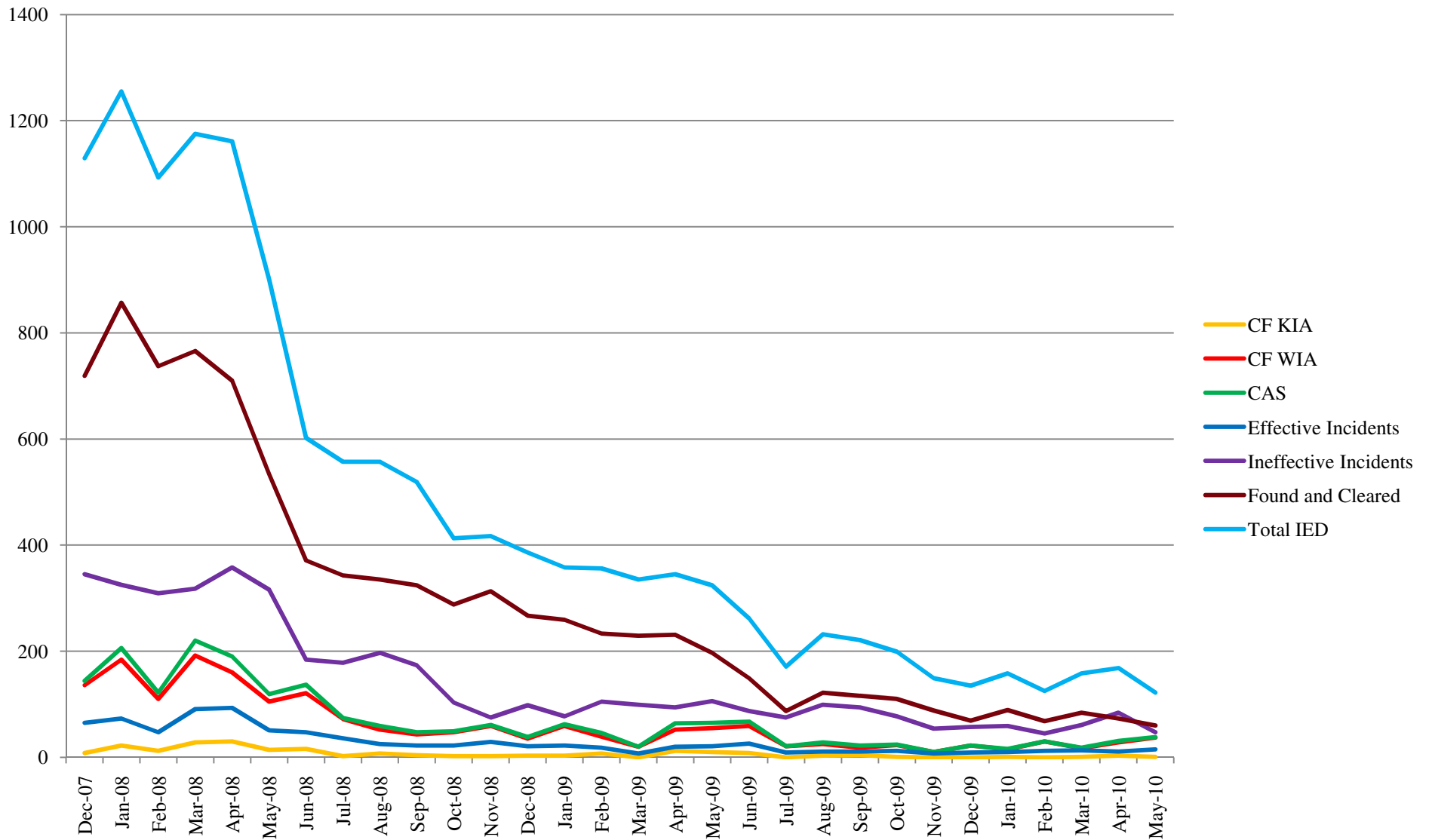
	CF KIA	CF WIA	CAS	Effective Incidents	Ineffective Incidents	Found and Cleared	Total IED Incidents
Nov-05	42	186	228	115	574	684	1373
Dec-05	40	259	299	132	627	712	1471
Jan-06	29	206	235	119	475	652	1246
Feb-06	36	207	243	112	548	759	1419
Mar-06	13	333	346	138	621	926	1685
Apr-06	57	283	340	158	683	939	1780
May-06	53	355	408	194	868	1008	2070
Jun-06	54	410	464	227	861	971	2059
Jul-06	30	383	413	210	971	1035	2216
Aug-06	47	384	431	190	1029	1054	2273
Sep-06	43	505	548	228	1037	1127	2392
Oct-06	72	486	558	228	970	1128	2326
Nov-06	55	358	413	179	919	1164	2262
Dec-06	69	401	470	211	1027	1133	2371
Jan-07	49	403	452	204	1078	1274	2556
Feb-07	45	375	420	166	871	1357	2394
Mar-07	59	389	448	179	927	1506	2612
Apr-07	76	416	492	192	834	1203	2229
May-07	98	497	595	254	935	1293	2482
Jun-07	83	572	655	242	1001	1345	2588
Jul-07	49	434	483	203	856	1078	2137
Aug-07	37	419	456	170	687	975	1832
Sep-07	29	262	291	115	586	878	1579
Oct-07	20	188	208	81	478	762	1321
Nov-07	22	136	158	72	299	684	1055
Dec-07	8	136	144	65	345	719	1129
Jan-08	22	184	206	73	325	857	1255
Feb-08	12	110	122	47	309	737	1093
Mar-08	28	192	220	91	318	766	1175



# IED Incidents in Iraq June 2003 – May 2010 Part III

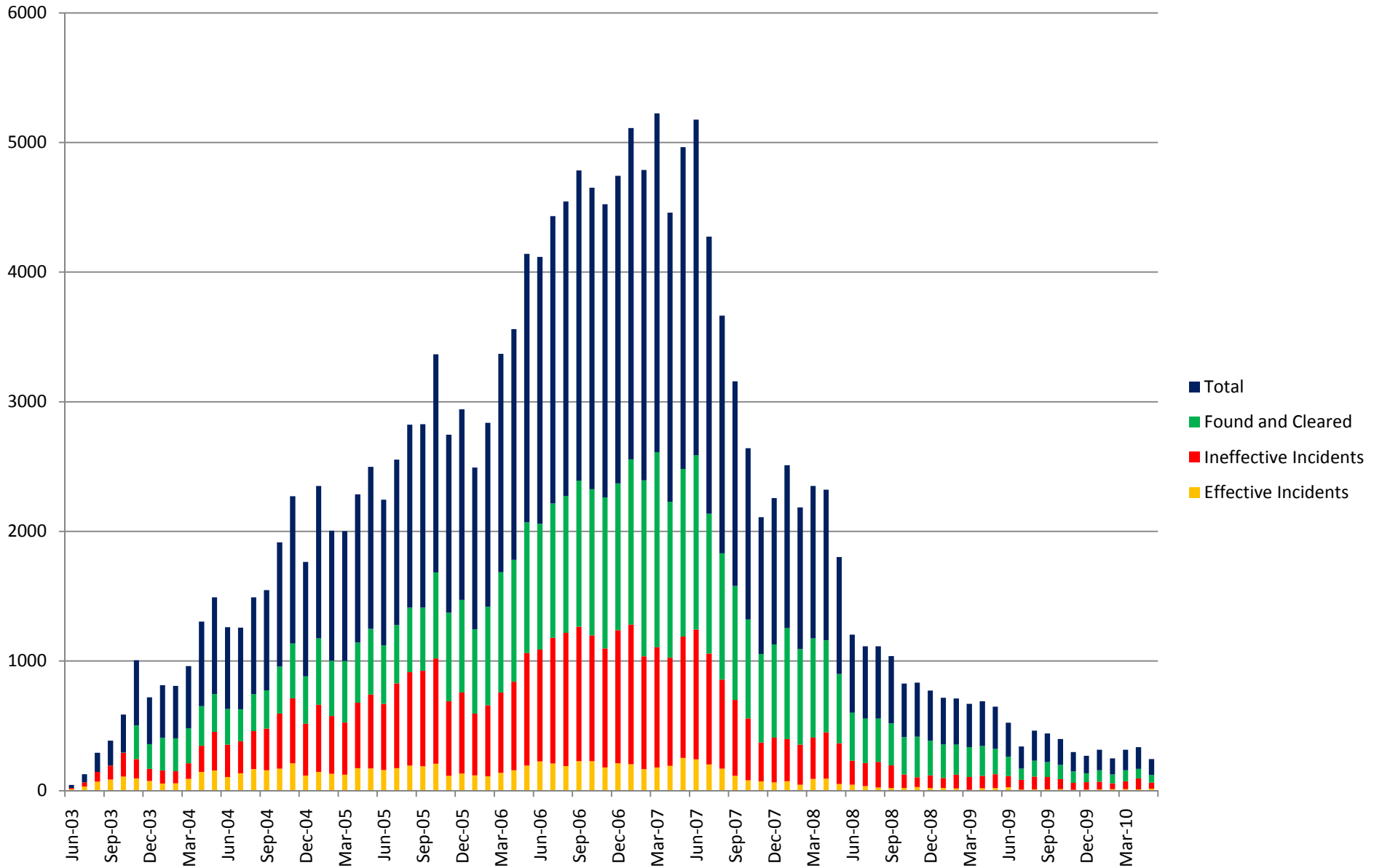
	CF KIA	CF WIA	CAS	Effective Incidents	Ineffective Incidents	Found and Cleared	Total IED Incidents
Apr-08	30	160	190	93	358	710	1161
May-08	14	105	119	51	316	534	901
Jun-08	16	121	137	47	184	371	602
Jul-08	2	72	74	36	178	343	557
Aug-08	7	52	59	25	197	335	557
Sep-08	4	43	47	22	173	324	519
Oct-08	2	47	49	22	103	288	413
Nov-08	2	59	61	29	75	313	417
Dec-08	3	35	38	21	98	267	386
Jan-09	3	59	62	22	77	259	358
Feb-09	7	39	46	18	105	233	356
Mar-09	0	20	20	7	99	229	335
Apr-09	12	52	64	20	94	231	345
May-09	10	55	65	21	106	197	324
Jun-09	8	59	67	26	87	149	262
Jul-09	0	21	21	9	75	87	171
Aug-09	3	25	28	11	99	122	232
Sep-09	4	18	22	11	94	116	221
Oct-09	1	23	24	12	77	110	199
Nov-09	0	10	10	7	54	88	149
Dec-09	0	22	22	9	57	69	135
Jan-10	1	15	16	10	59	89	158
Feb-10	0	30	30	12	45	68	125
Mar-10	1	17	18	13	61	84	158
Apr-10	3	28	31	11	84	73	168
May-10	1	37	38	15	47	60	122

# IED Incidents and Casualty Figures 2008-2010

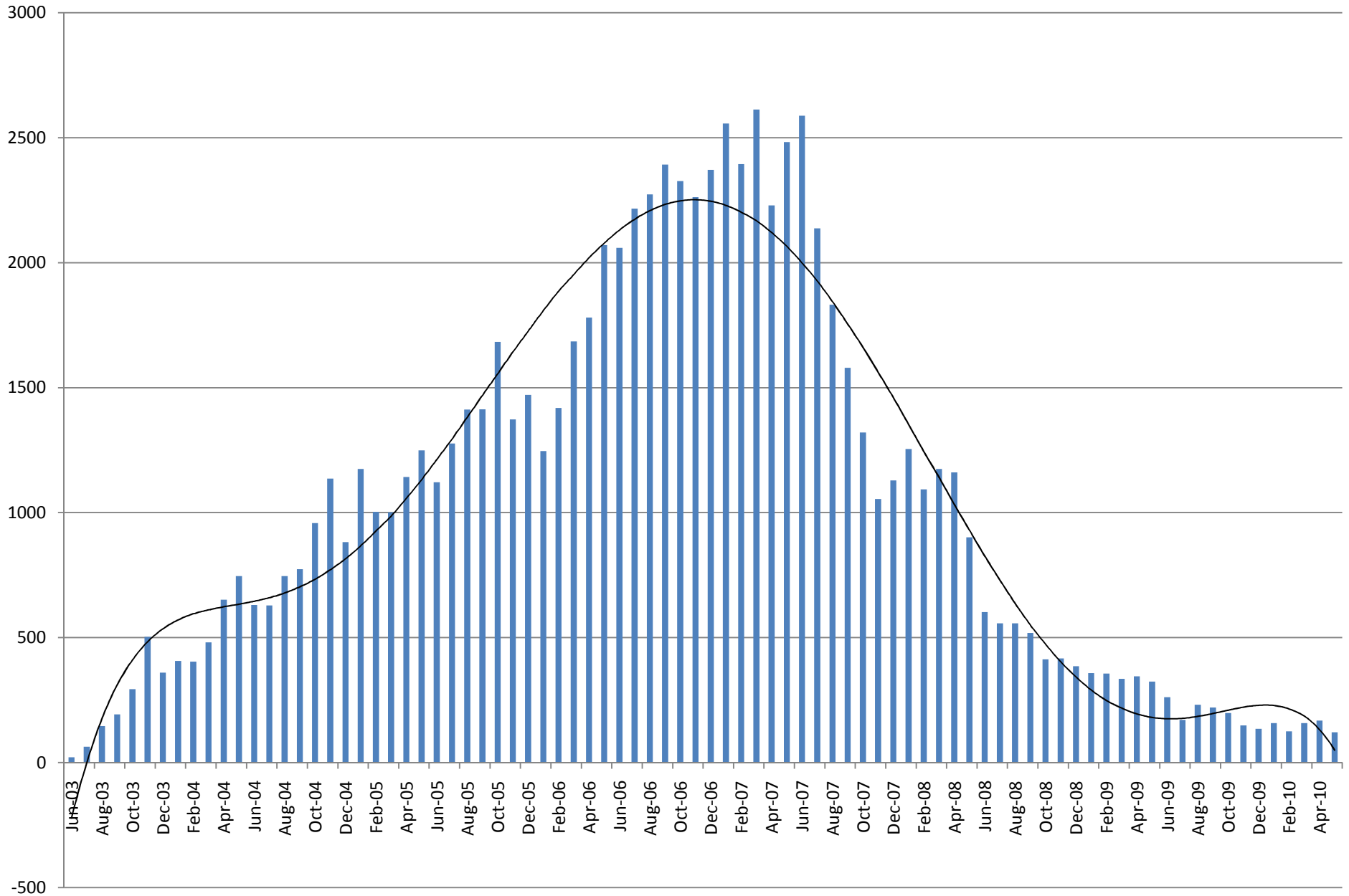


# IED Incidents by Type

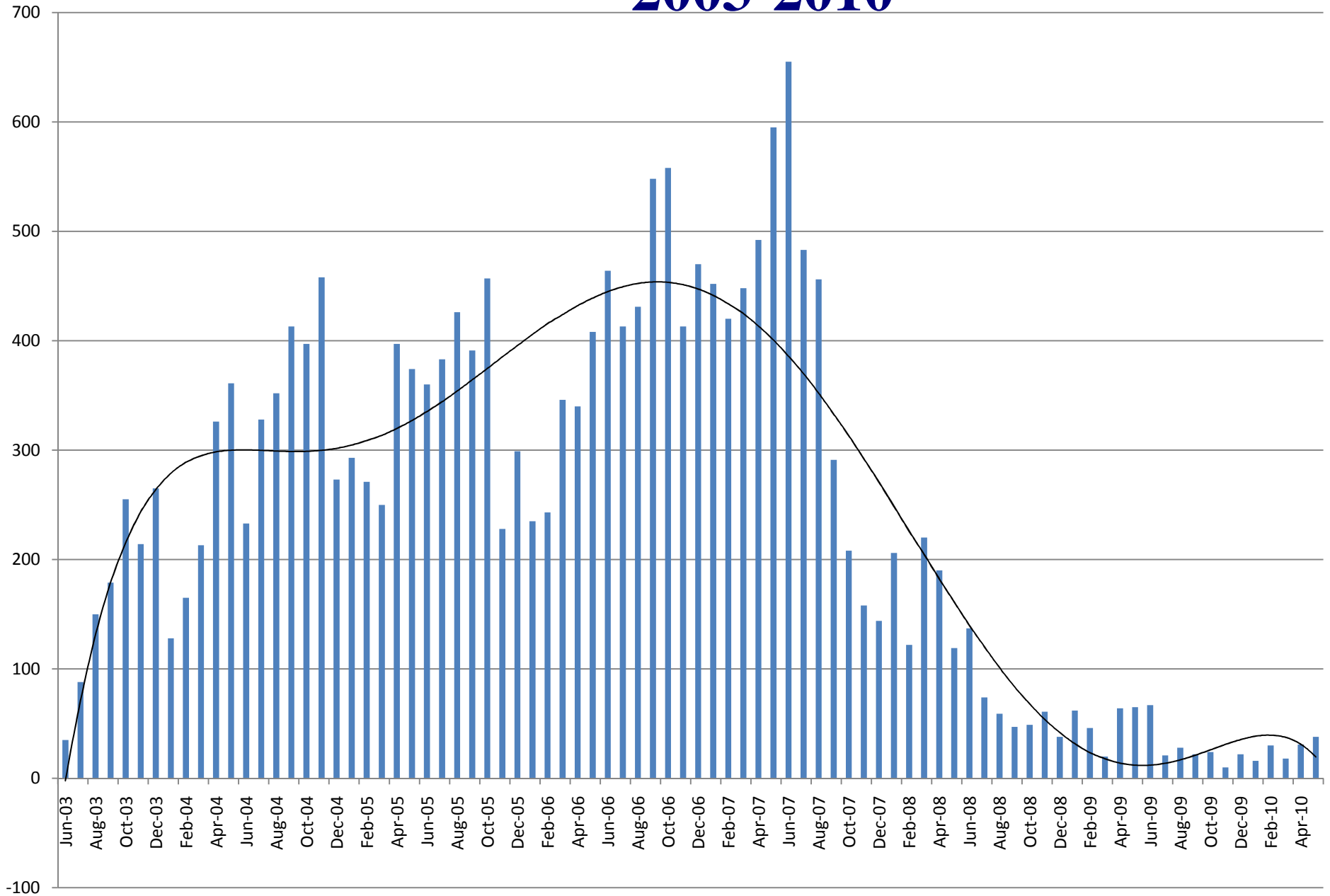
## 2003 - 2010



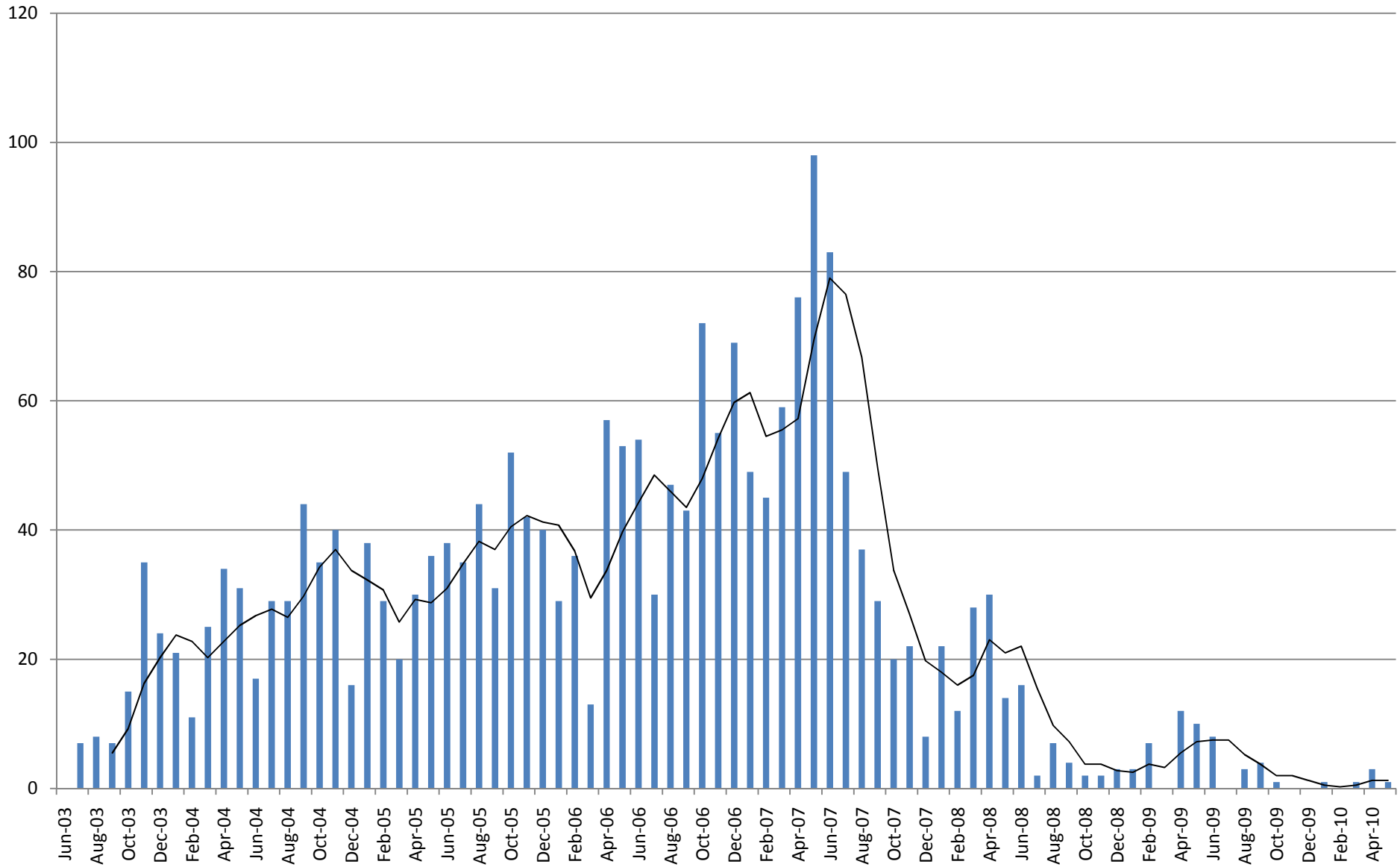
# Total IED Incidents 2003 - 2010



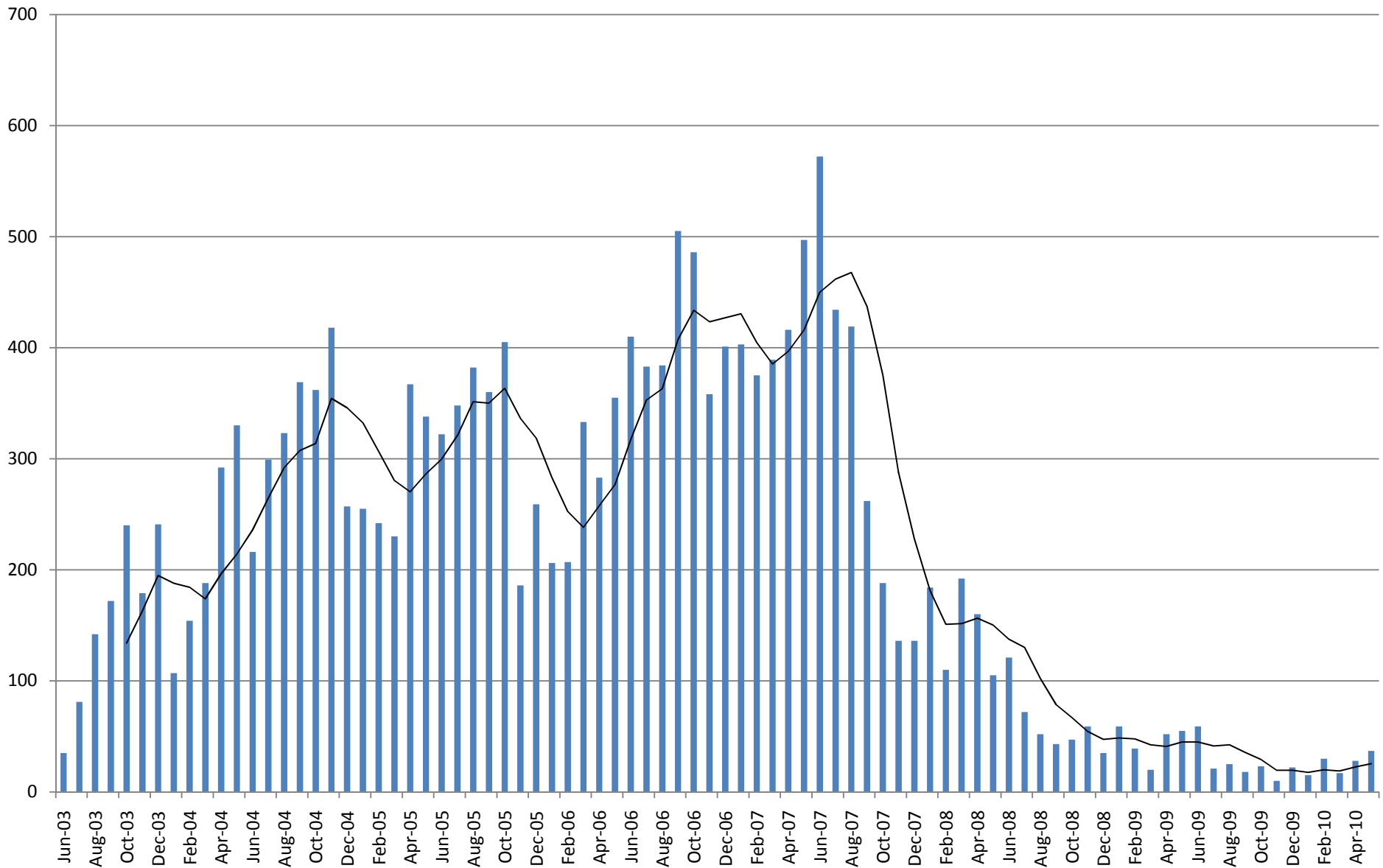
# Casualties 2003-2010



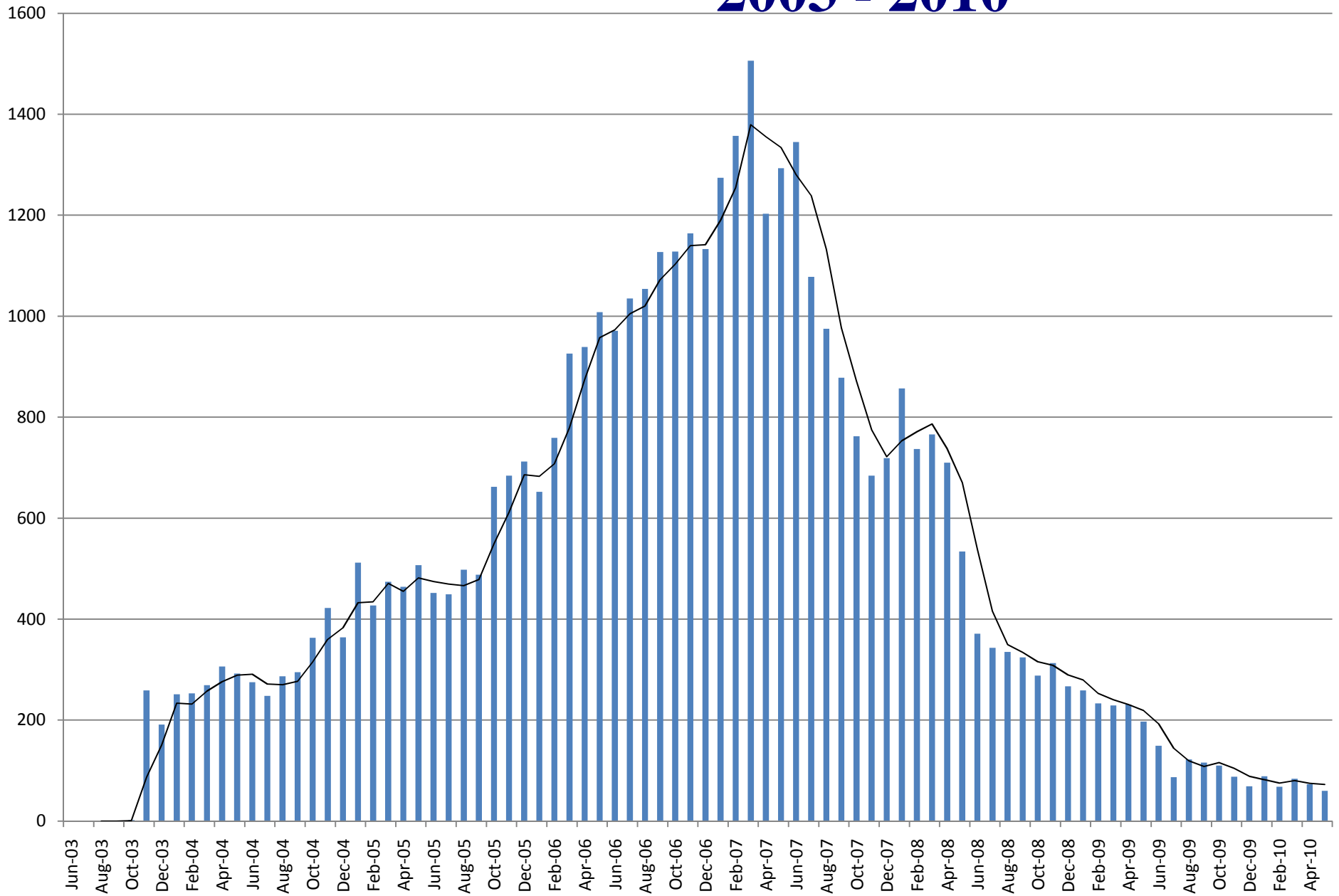
# Coalition Forces Killed in Action 2003 - 2010



# Coalition Forces Wounded in Action 2003 - 2010

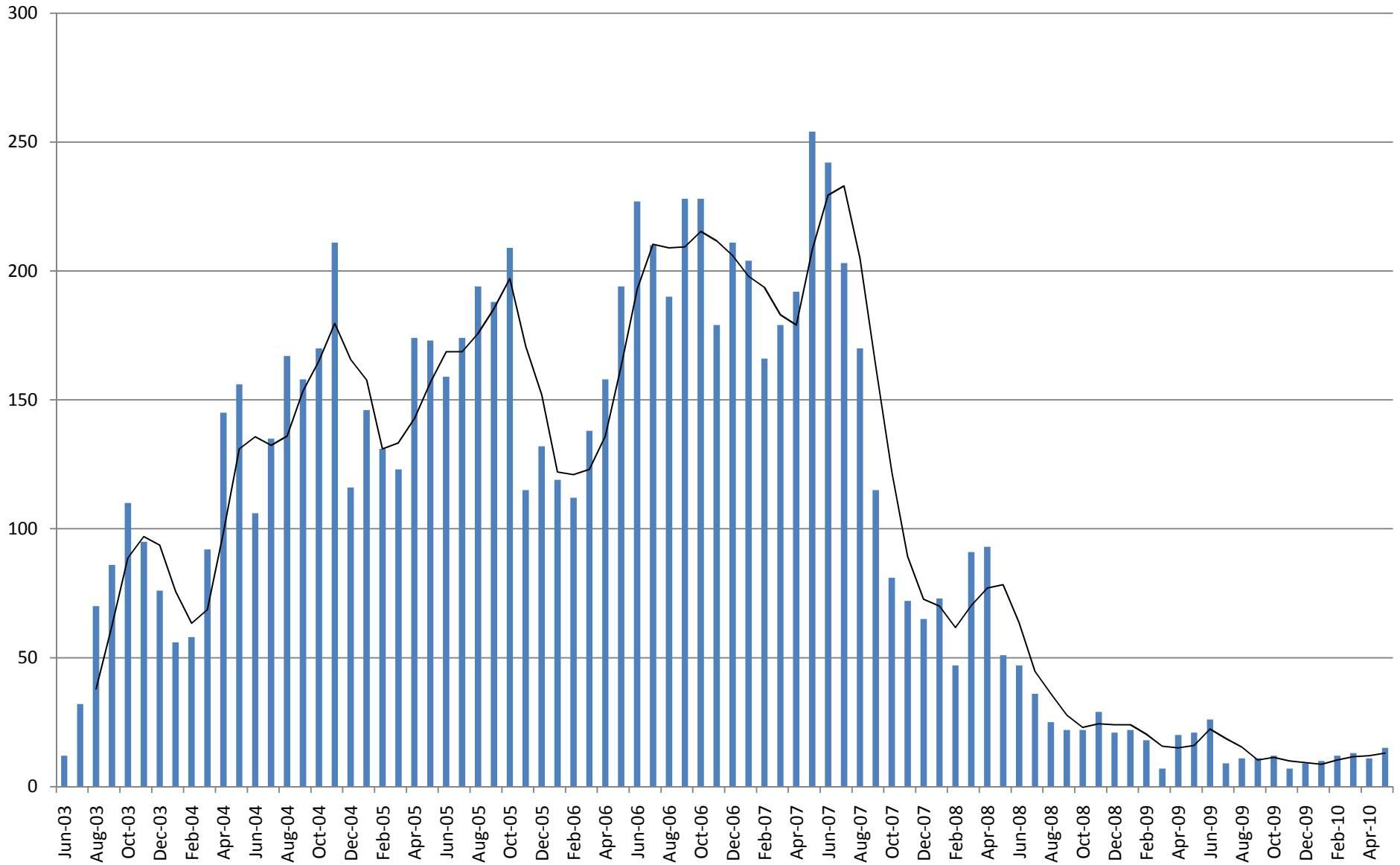


# IEDs Found and Cleared 2003 - 2010

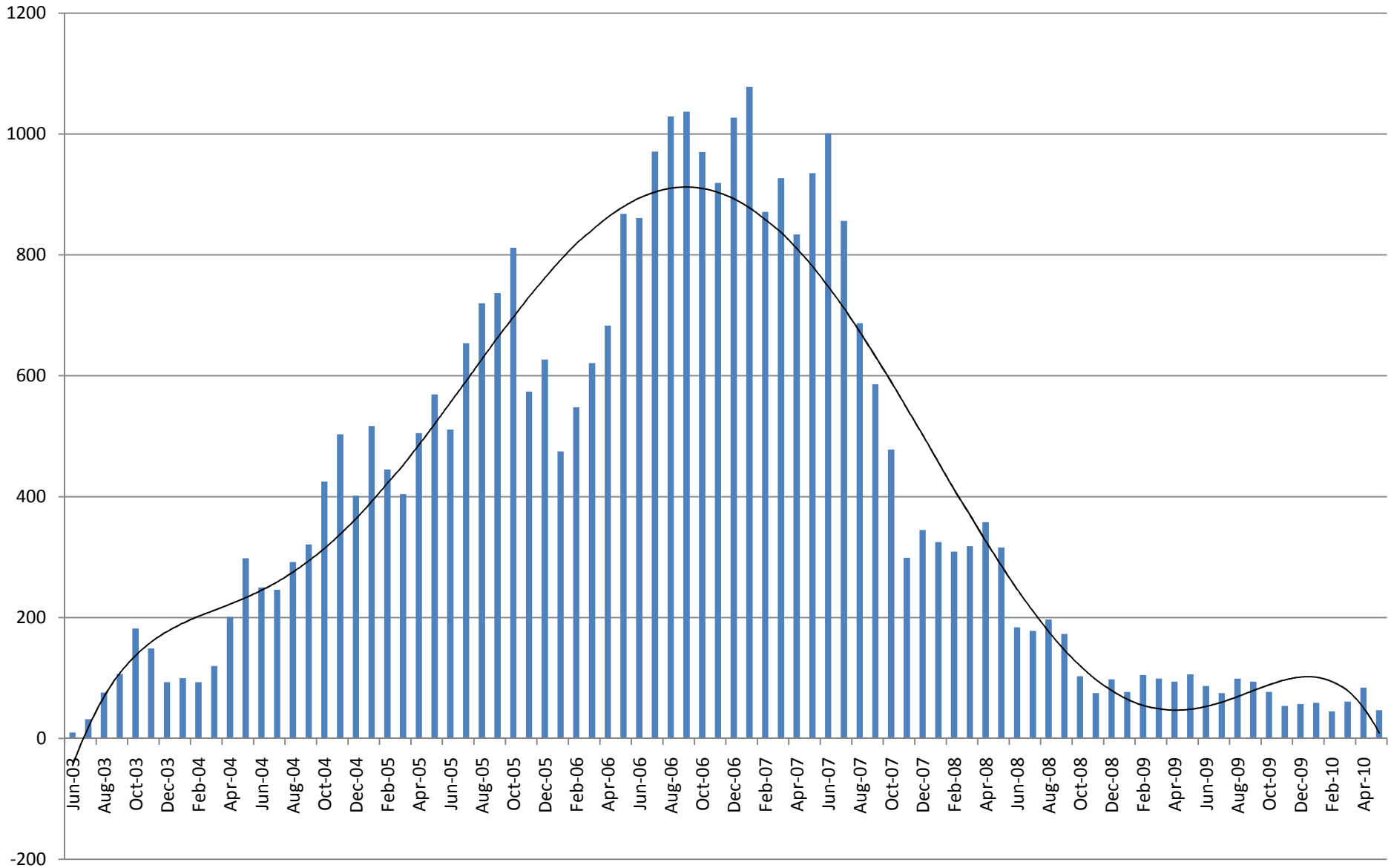




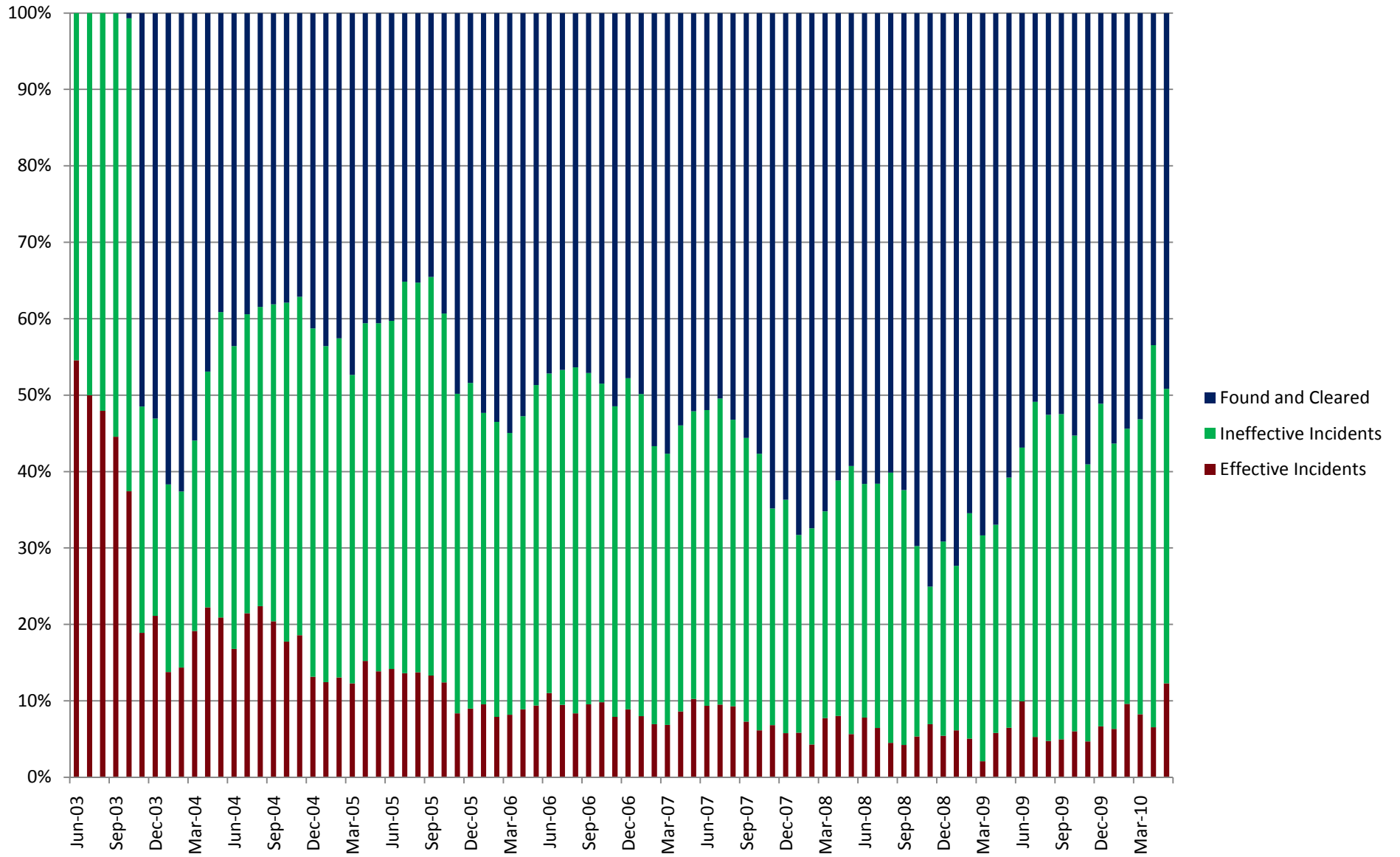
# Effective IED Attacks 2003 - 2010



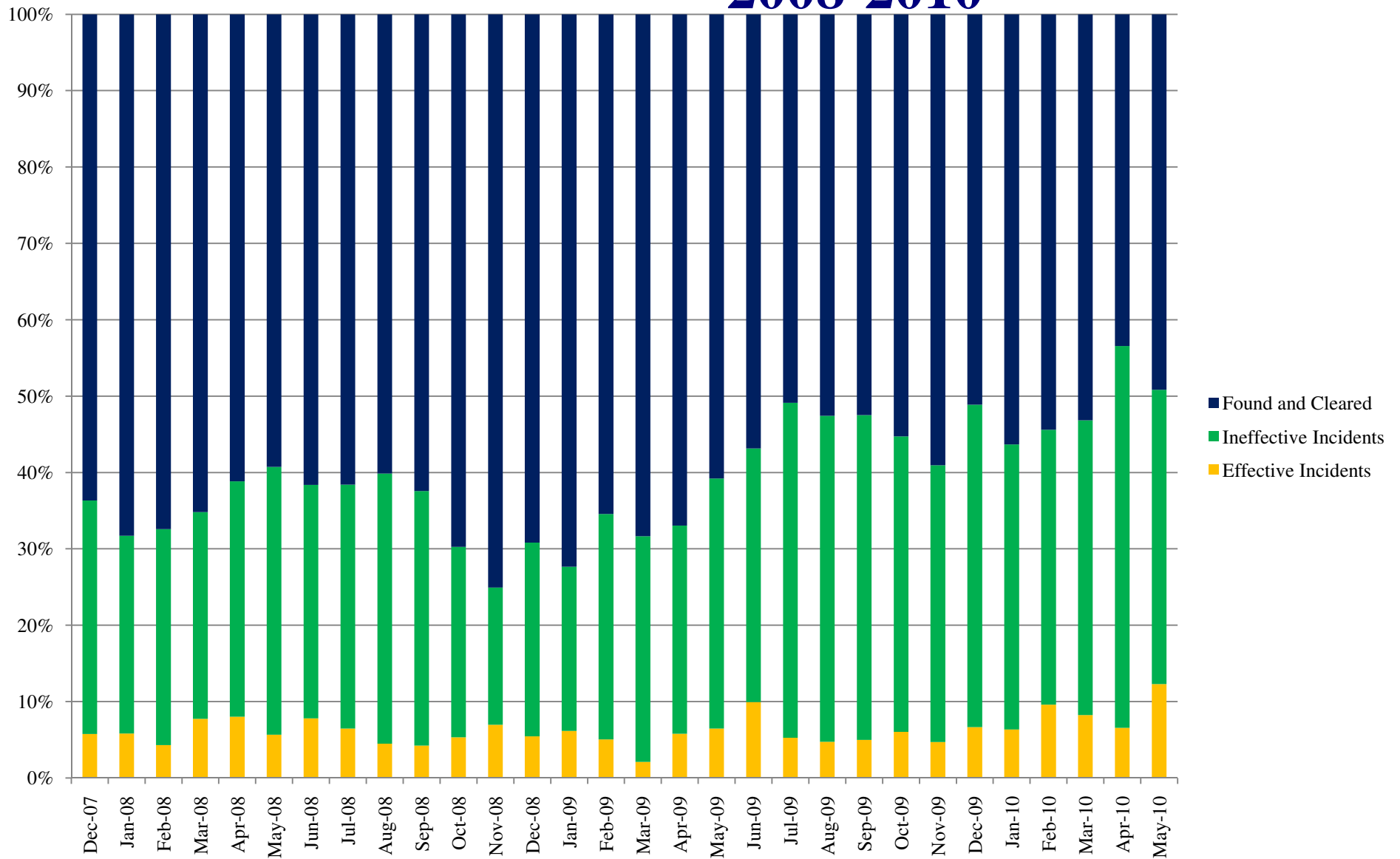
# Ineffective IED Attacks 2003 - 2010



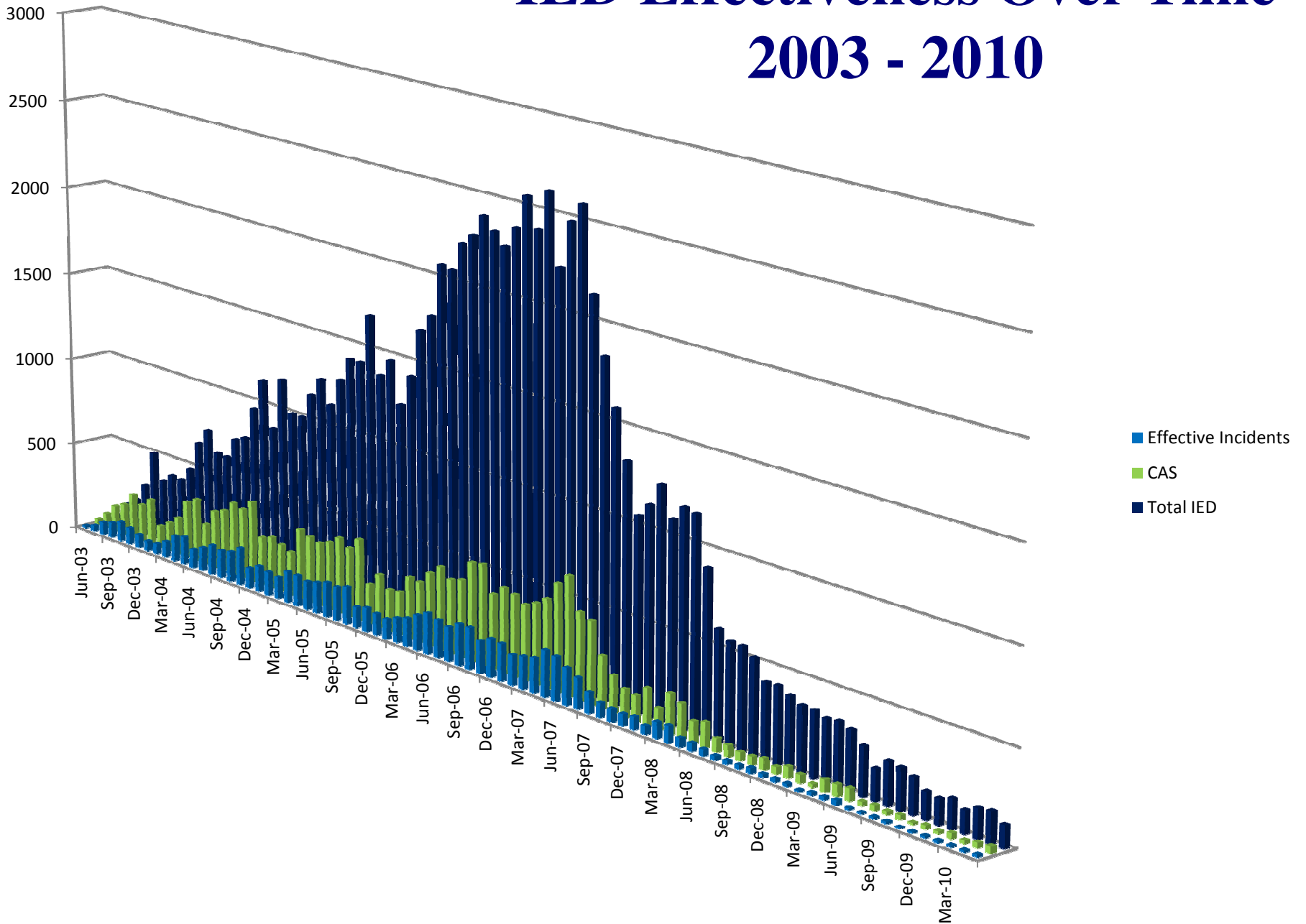
# Relative Frequency of IED Incident Types



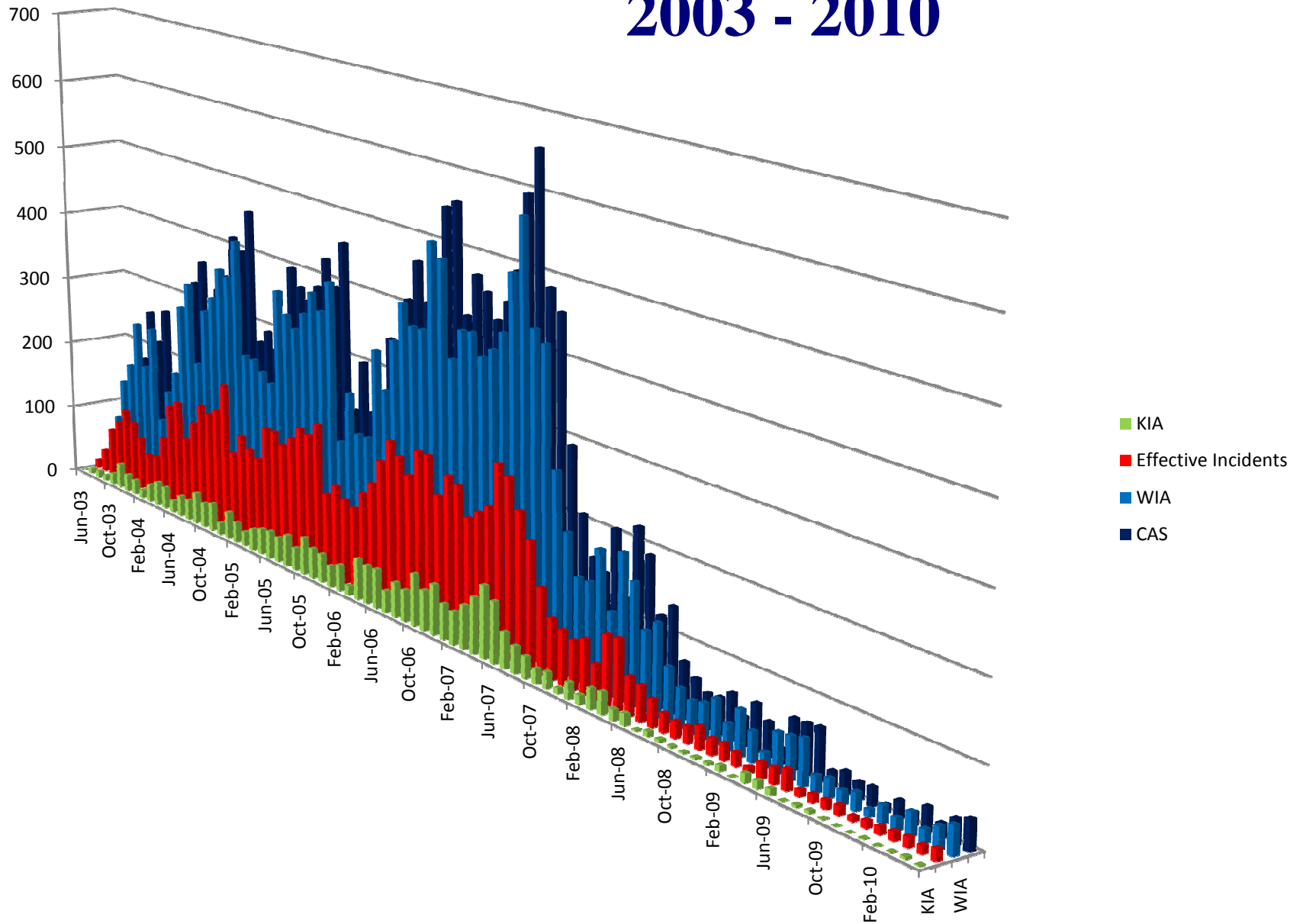
# Relative Frequency of IED Incident Types 2008-2010



# IED Effectiveness Over Time 2003 - 2010



# IED Effectiveness by Casualty Type 2003 - 2010



# Lethality of IEDs Over Time

## 2003 - 2010

