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IED Metrics for Iraq: June 2003 – September 2010

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

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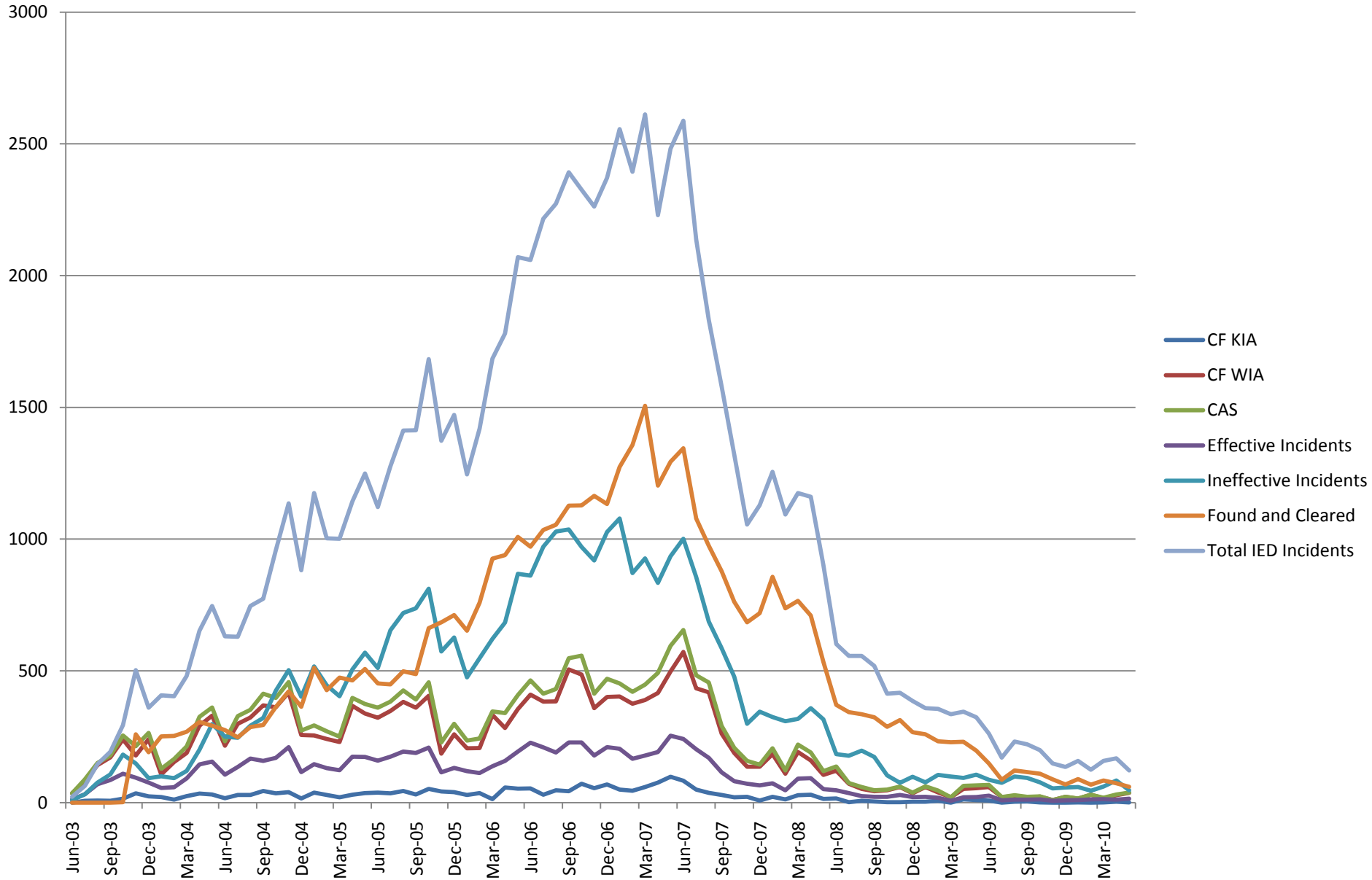
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IED Incidents and Casualty Figures



IED Incidents in Iraq June 2003 – October 2005

	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 November 2005 – March 2008

	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

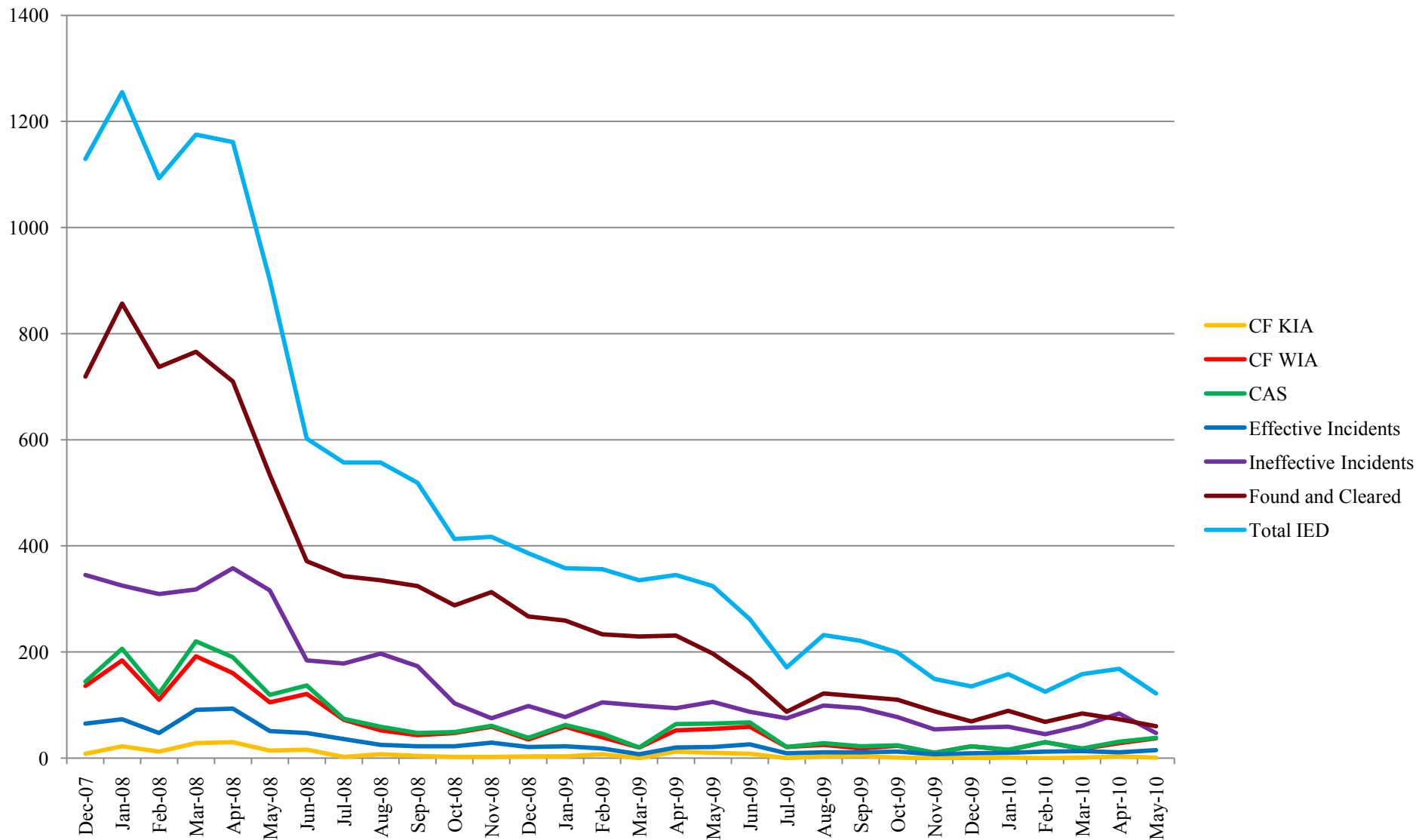
IED Incidents in Iraq April 2008 – May 2010

	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 in Iraq June 2010 – September 2010 (U.S. only)

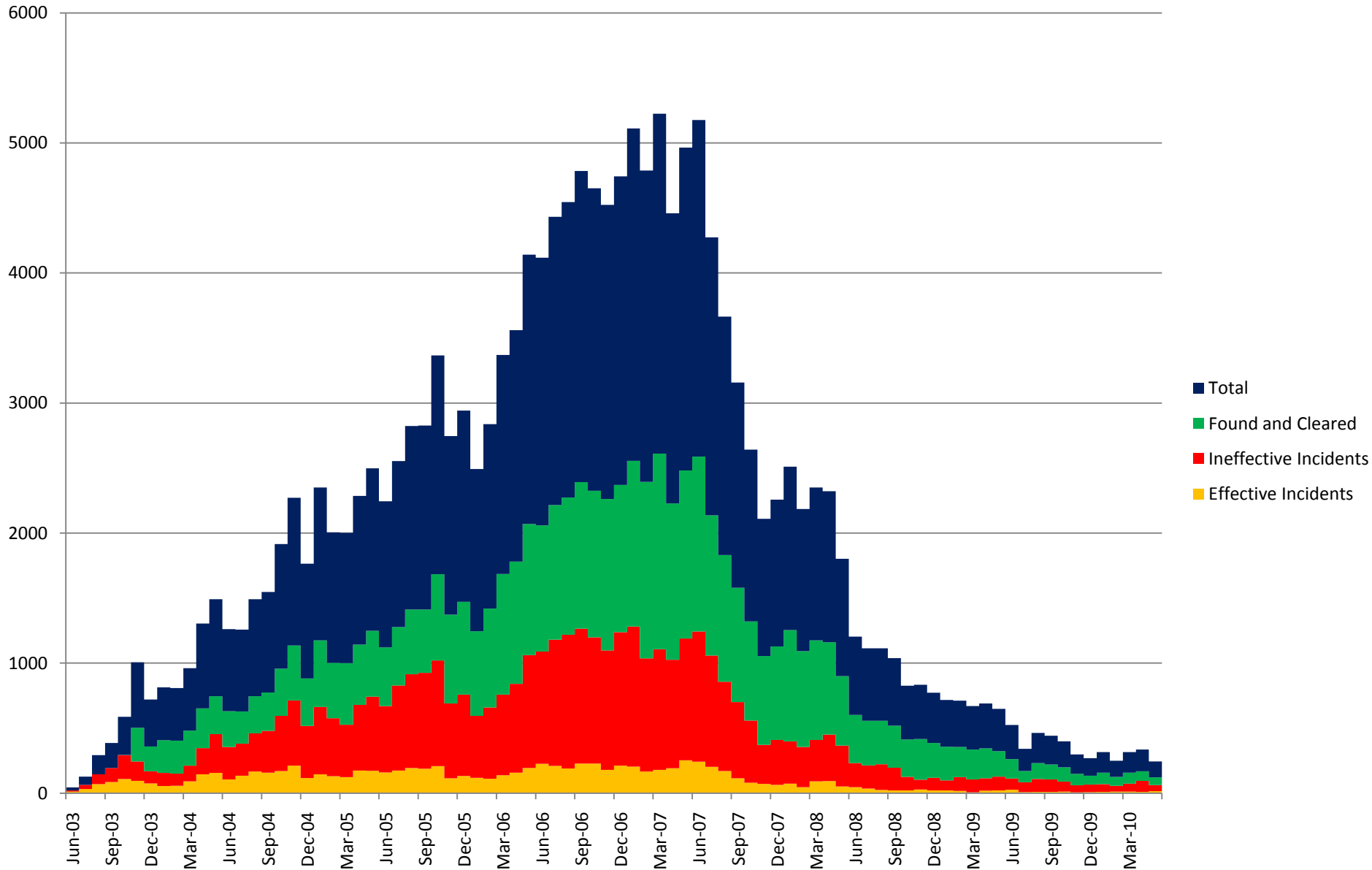
Month	U.S. KIA	U.S. WIA
June 2010	2	22
July 2010	1	16
August 2010	0	17
September 2010	0	16

IED Incidents and Casualty Figures 2008-2010

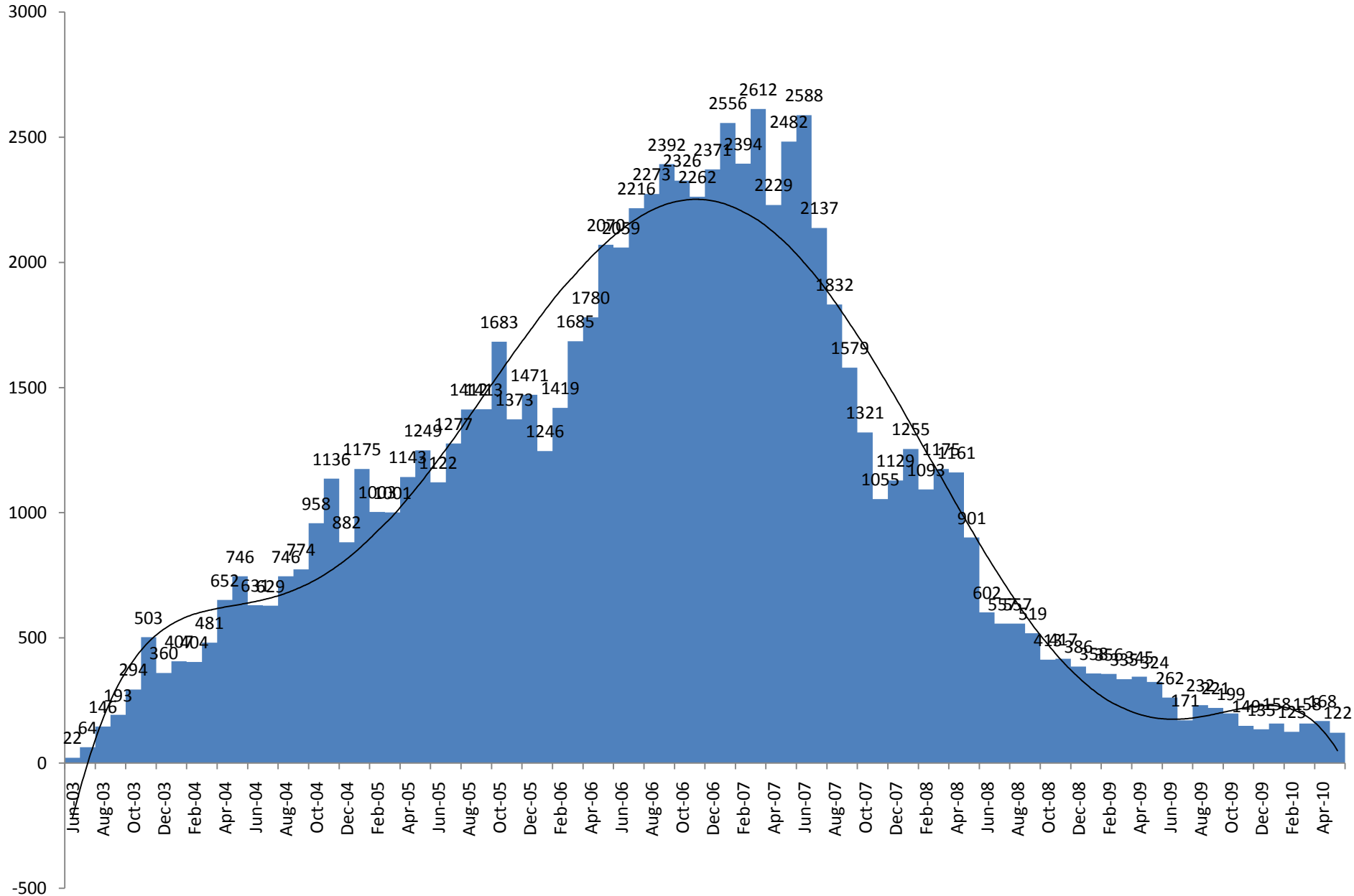


IED Incidents by Type

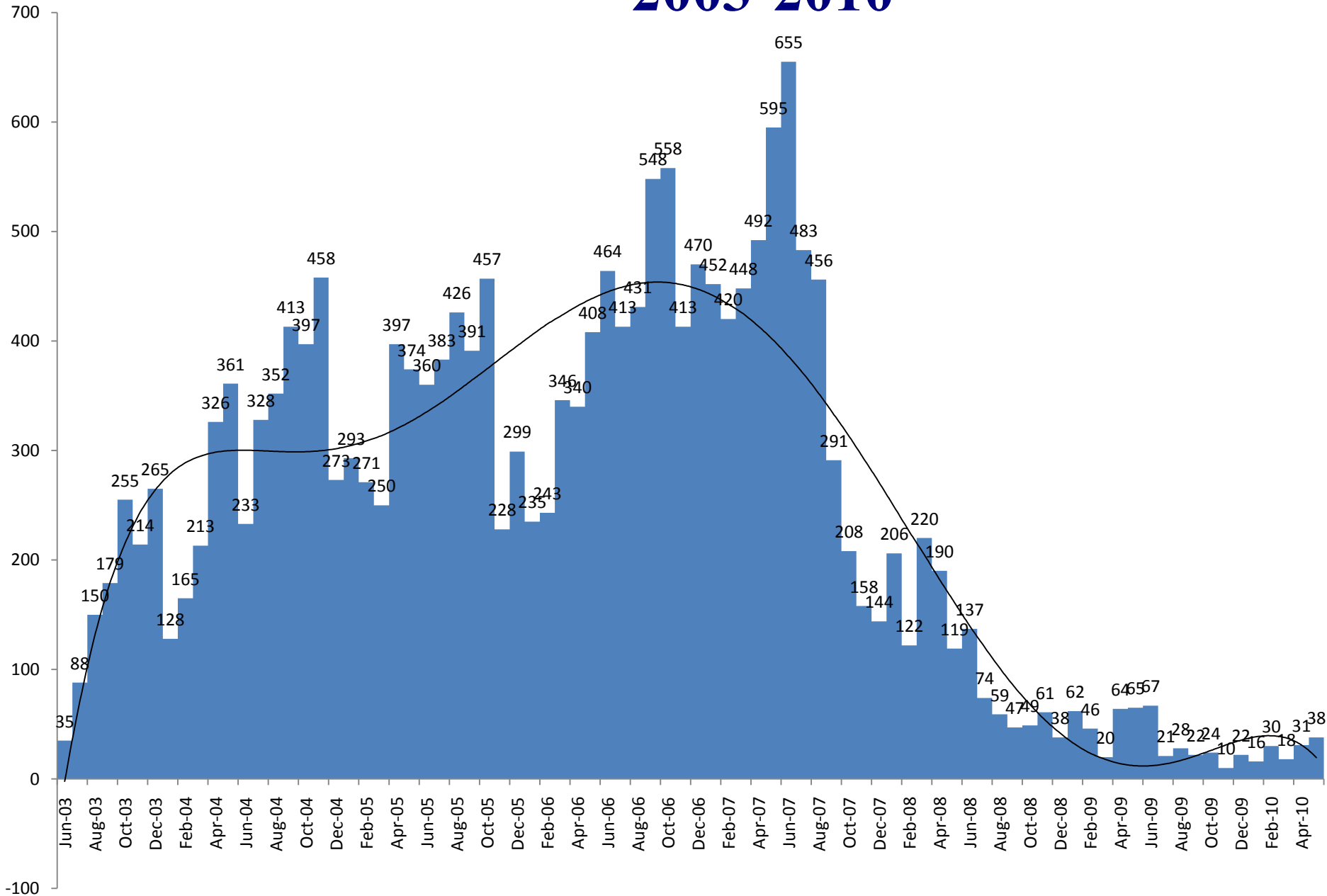
2003 - 2010



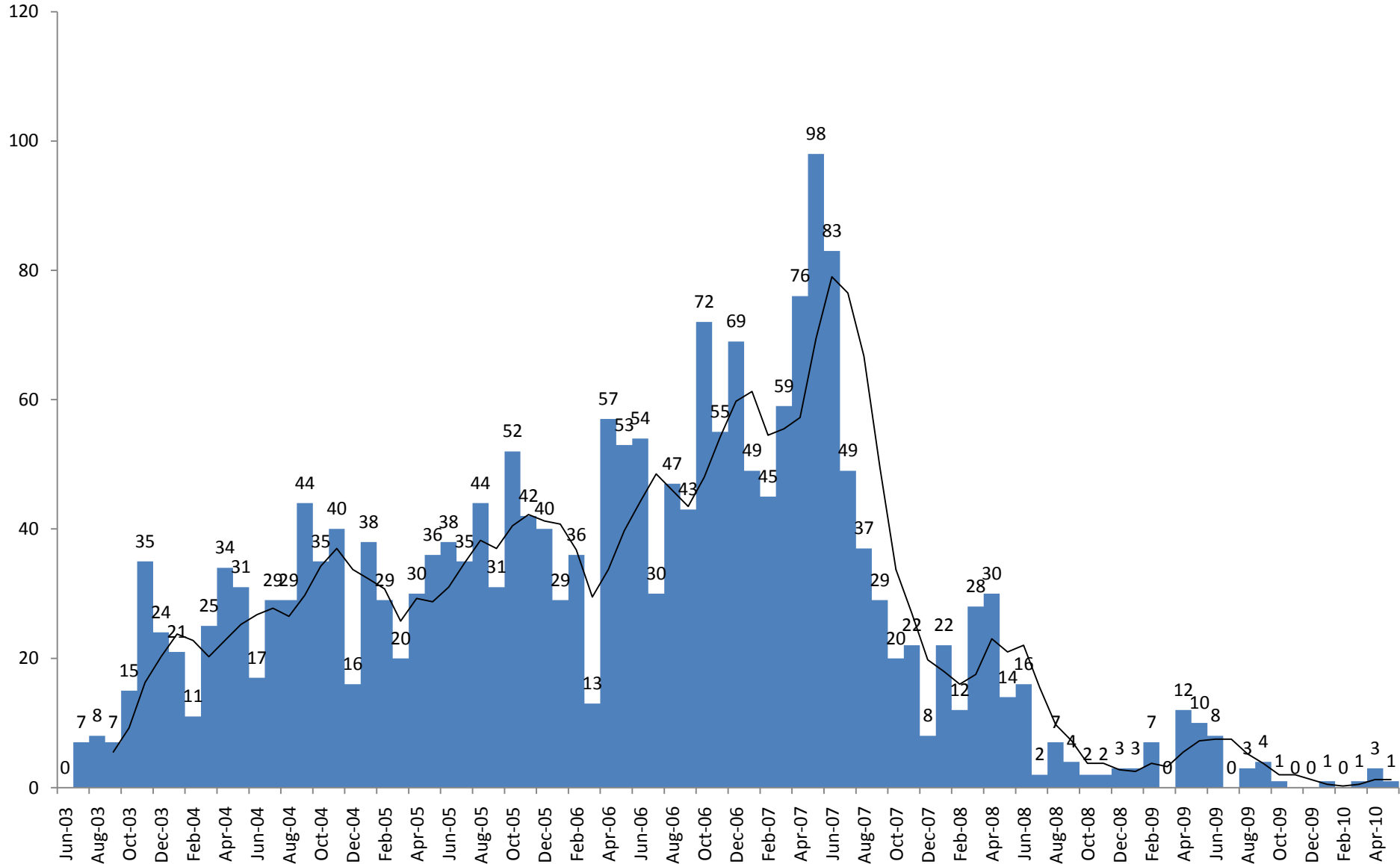
Total IED Incidents 2003 - 2010



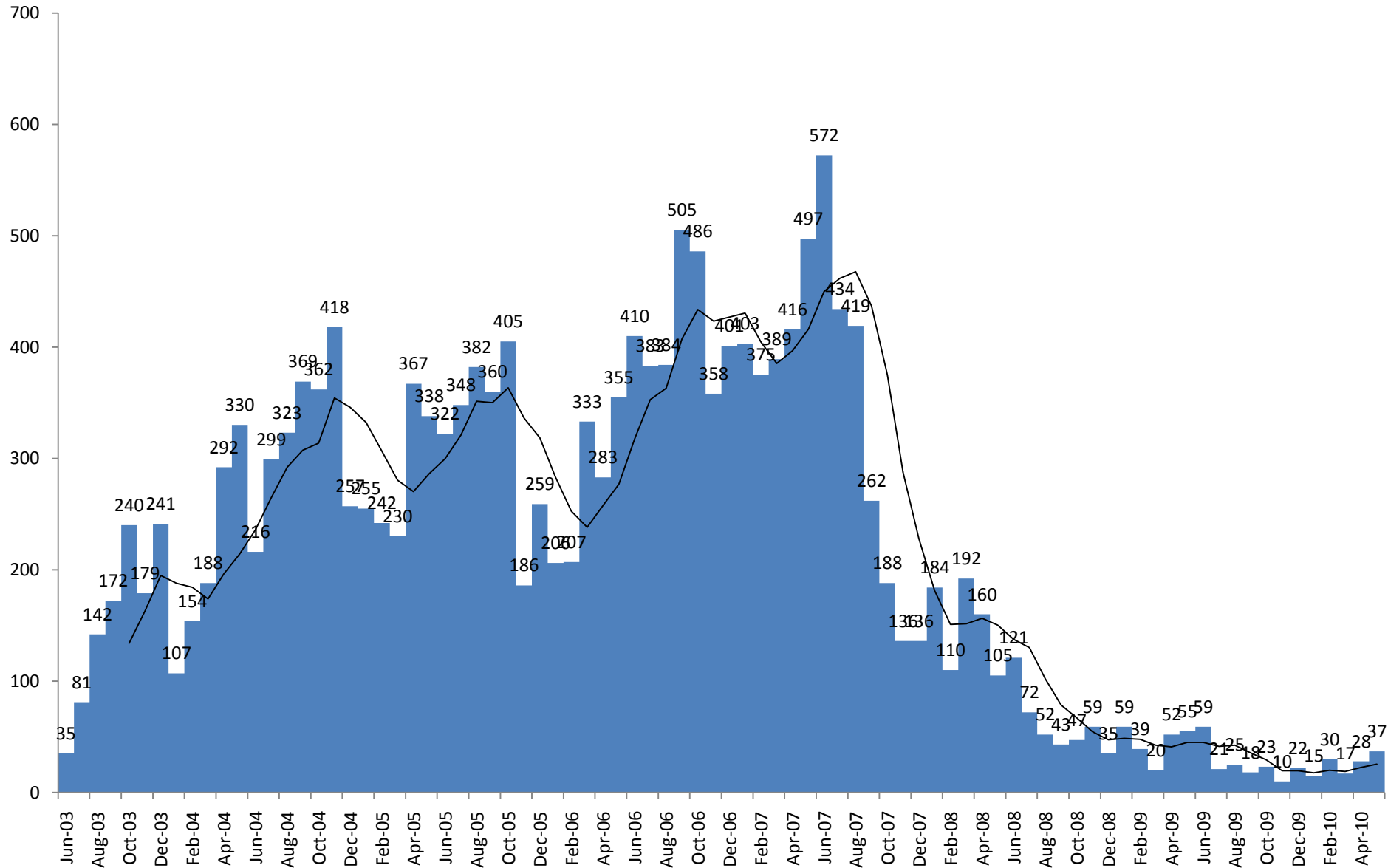
Casualties 2003-2010



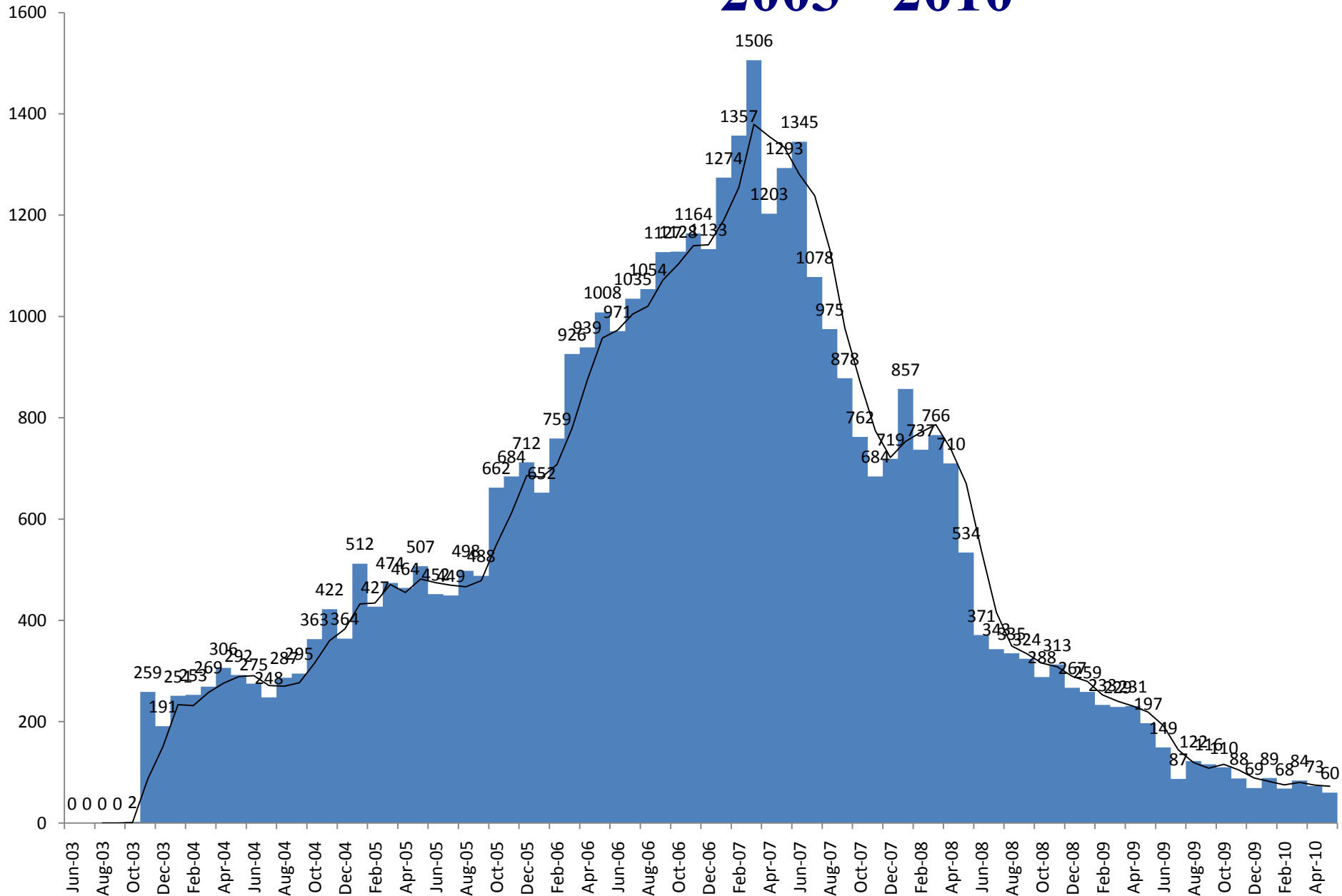
Coalition Forces Killed in Action 2003 - 2010



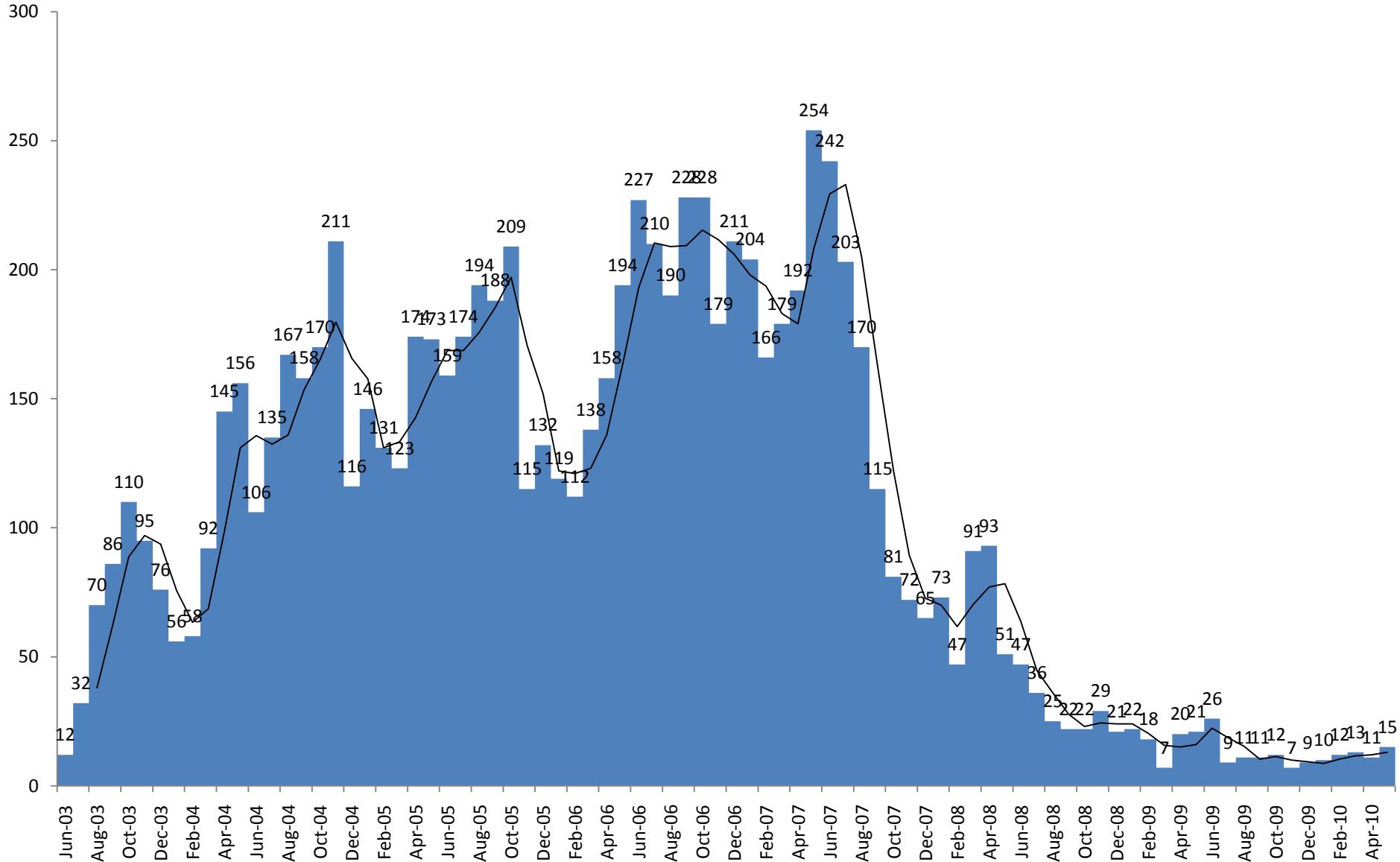
Coalition Forces Wounded in Action 2003 - 2010



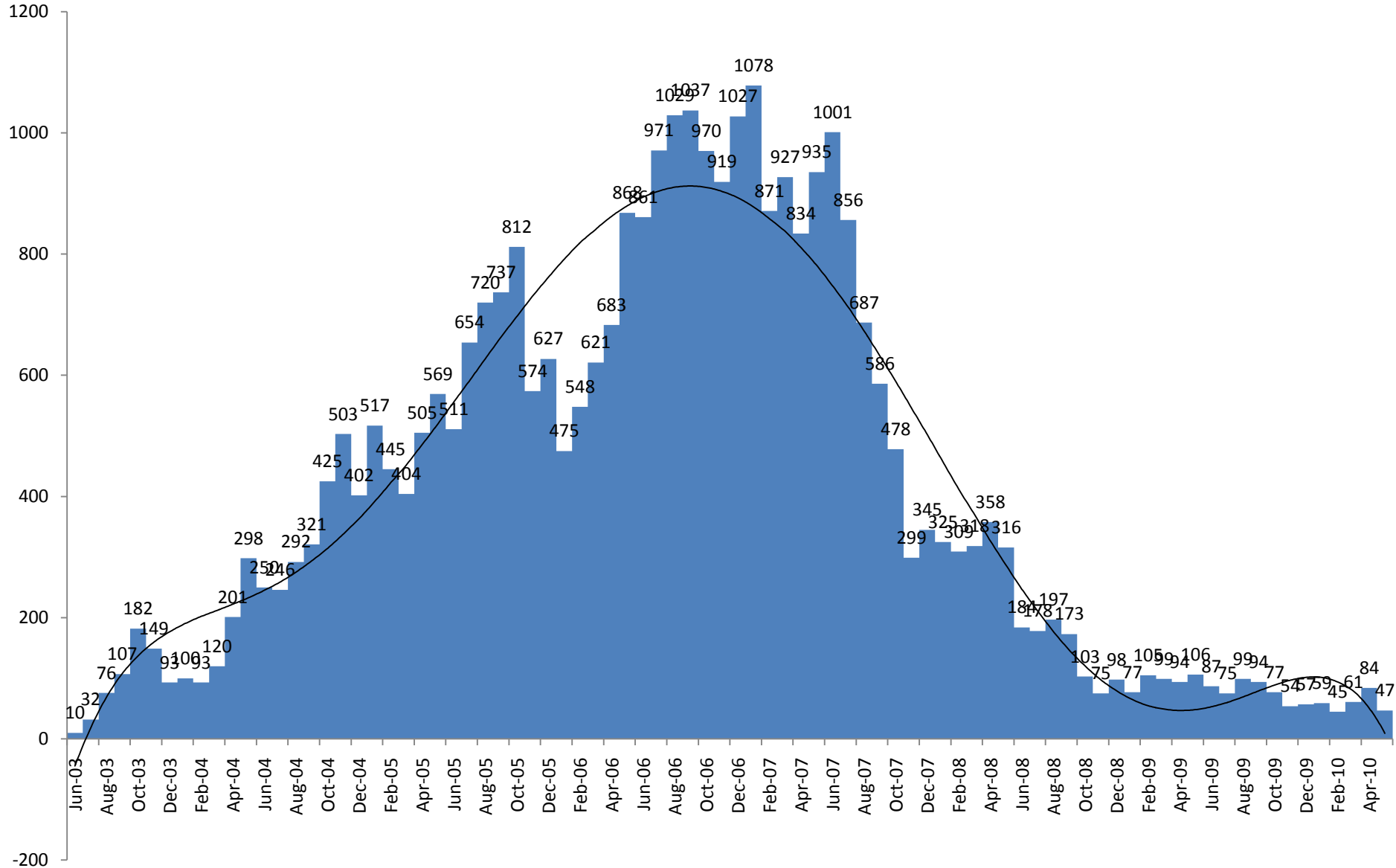
IEDs Found and Cleared 2003 - 2010



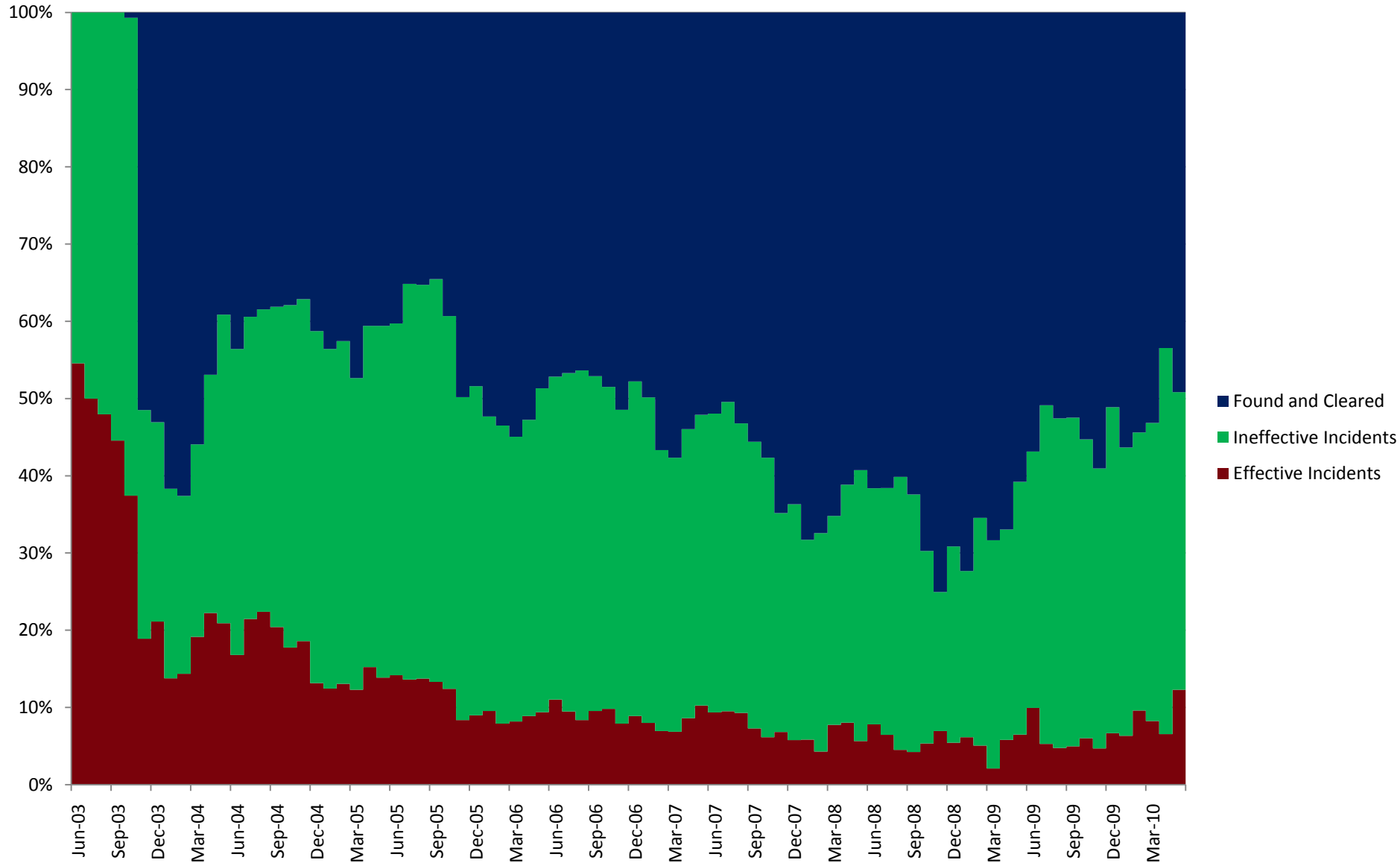
Effective IED Attacks 2003 - 2010



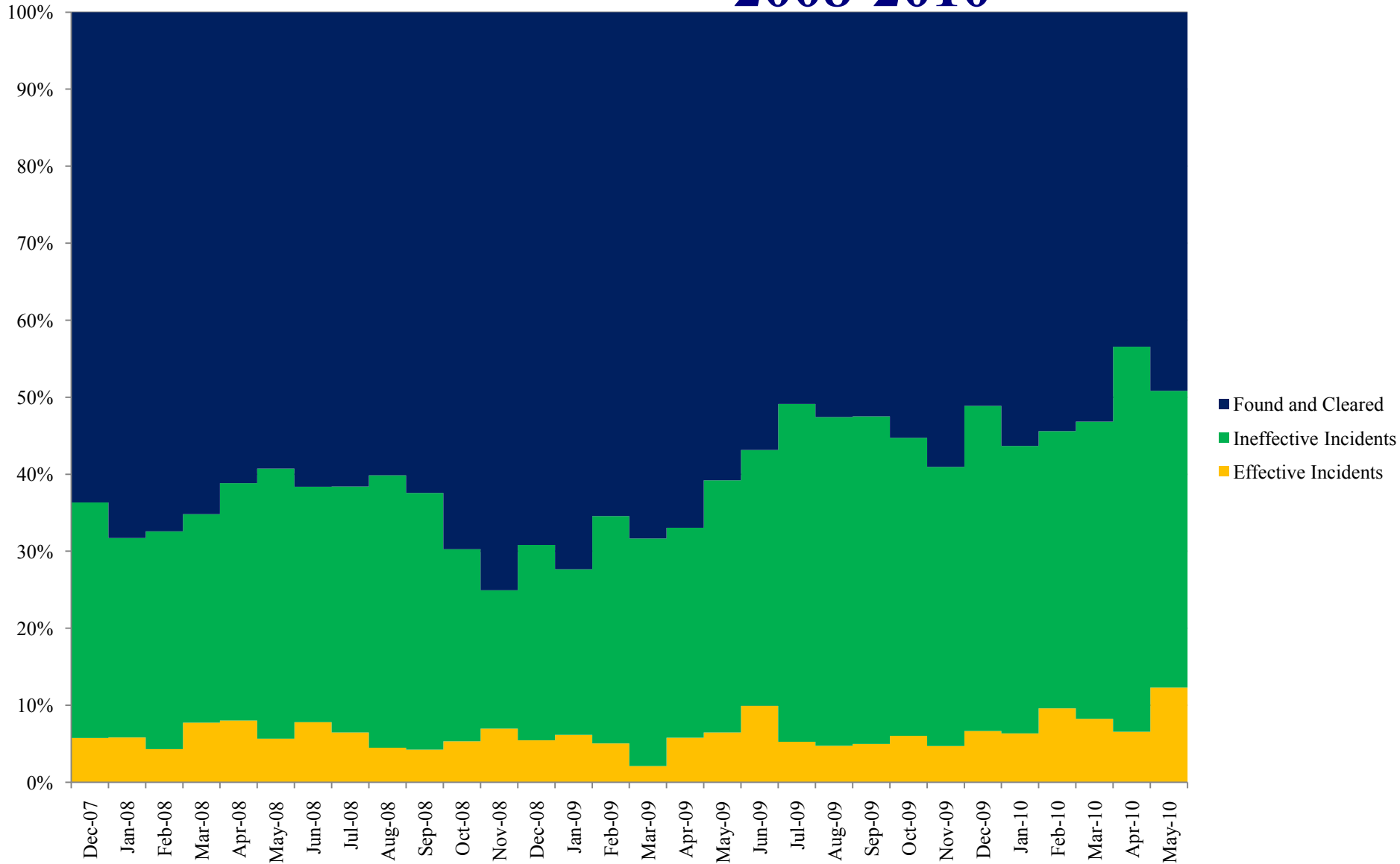
Ineffective IED Attacks 2003 - 2010



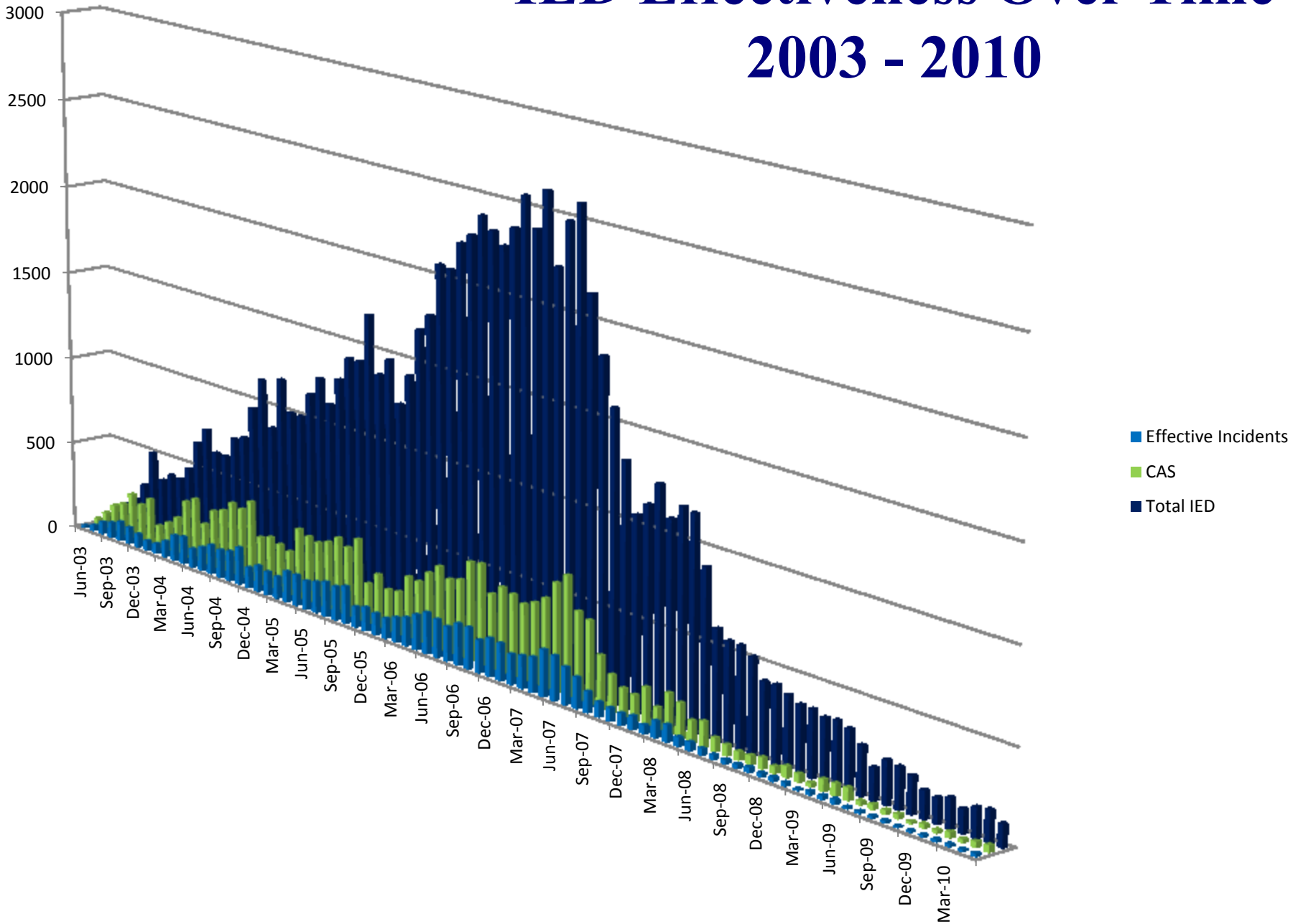
Relative Frequency of IED Incident Types



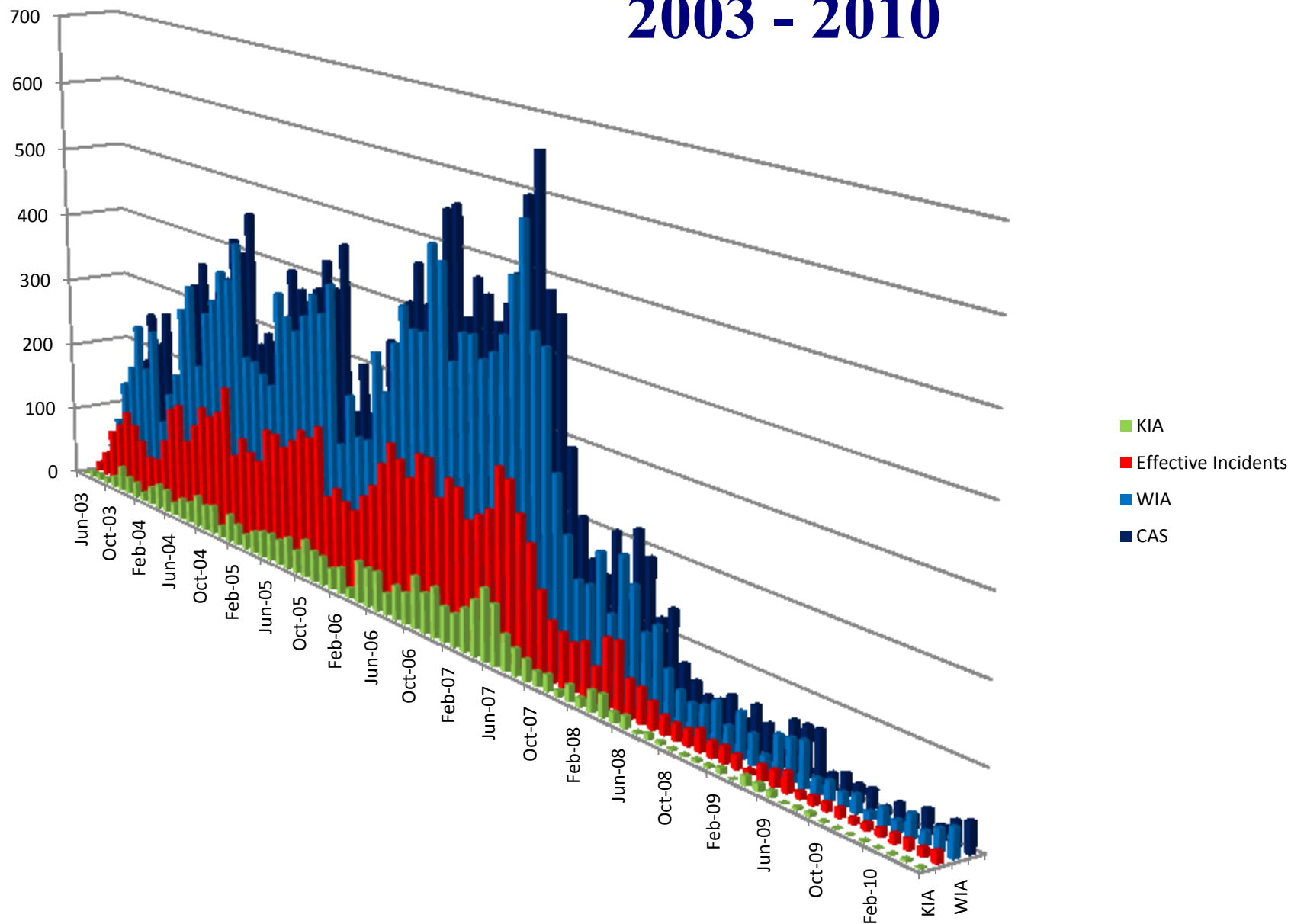
Relative Frequency of IED Incident Types 2008-2010



IED Effectiveness Over Time 2003 - 2010

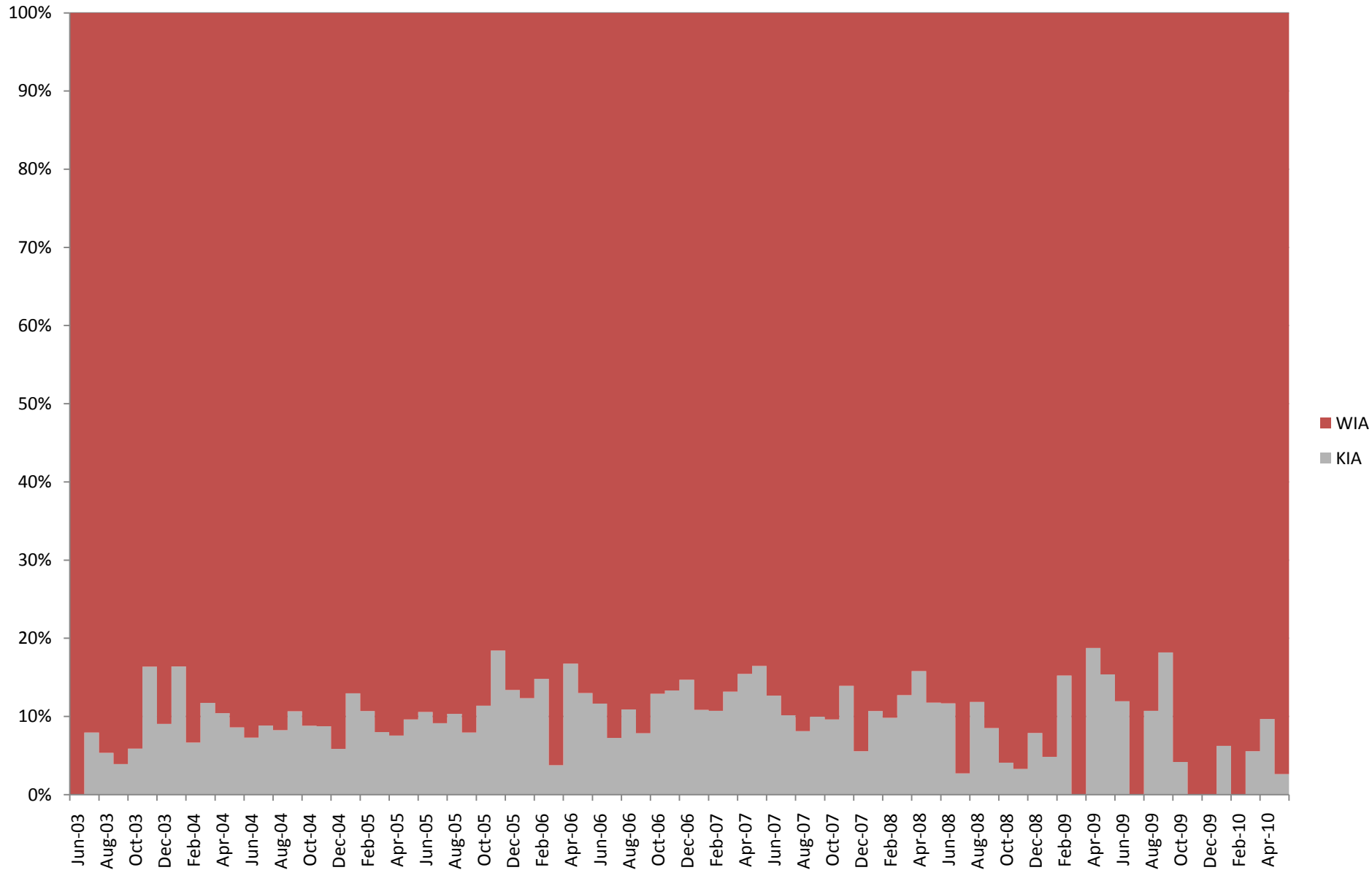


IED Effectiveness by Casualty Type 2003 - 2010

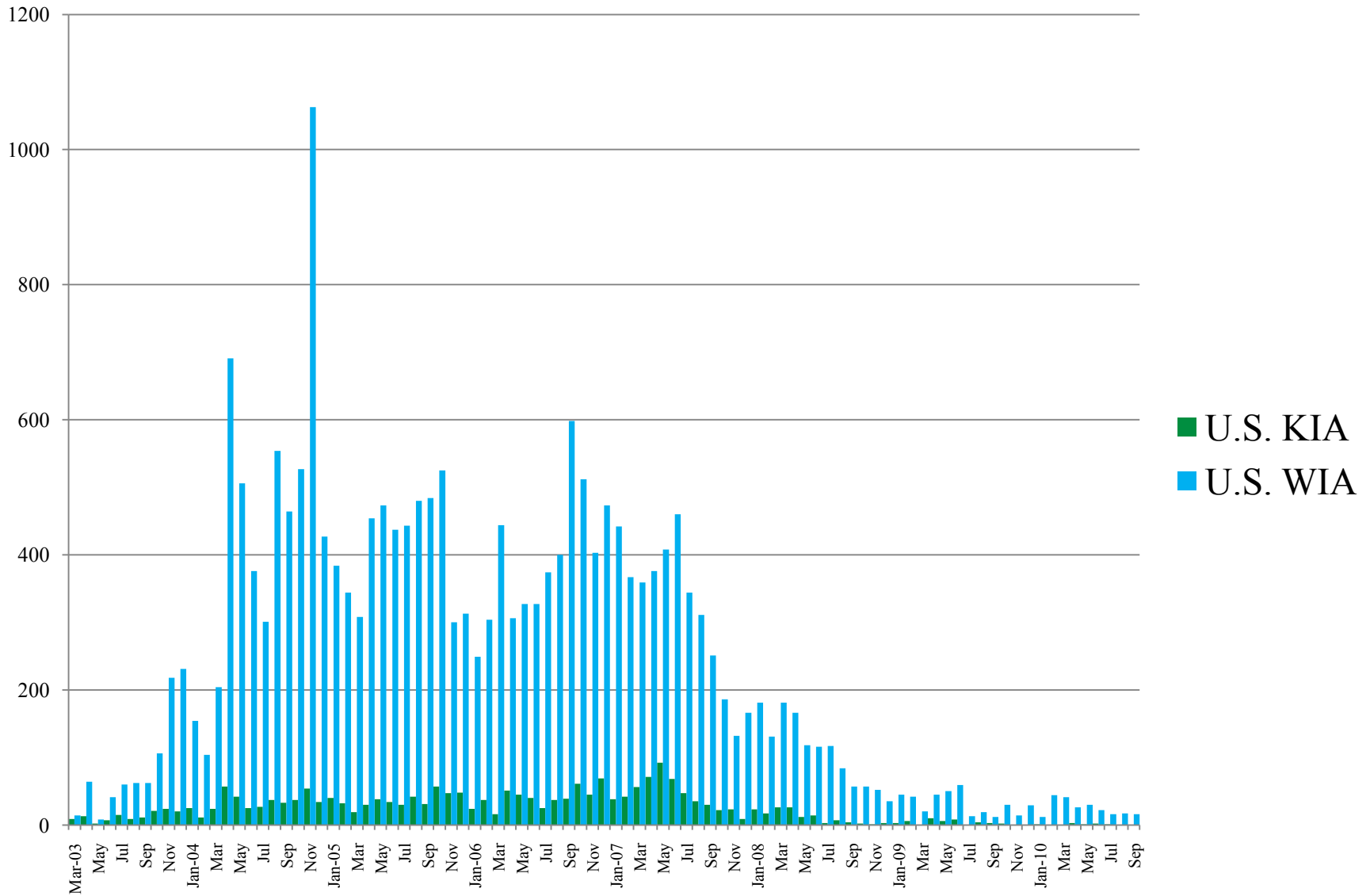


Lethality of IEDs Over Time

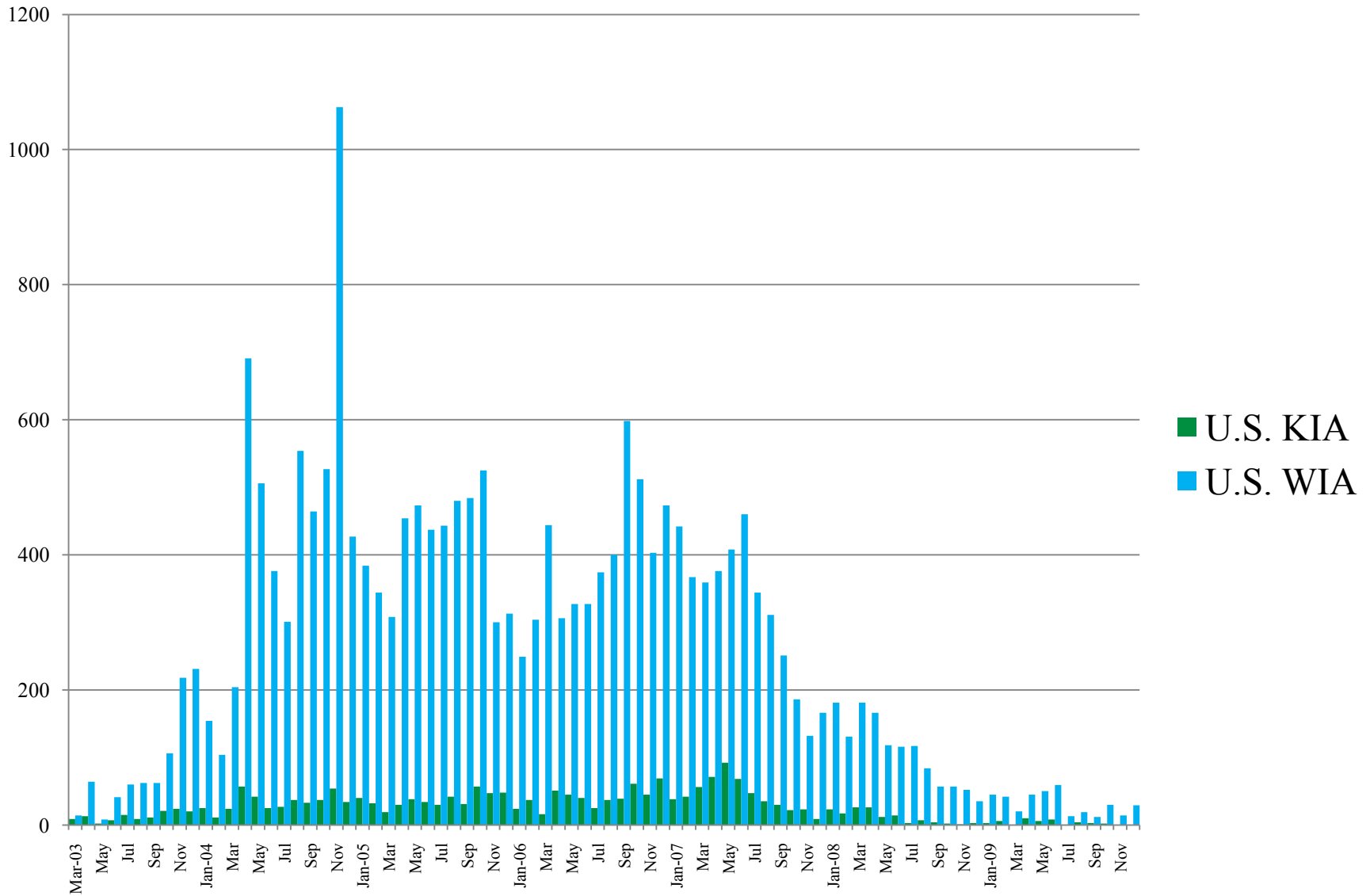
2003 - 2010



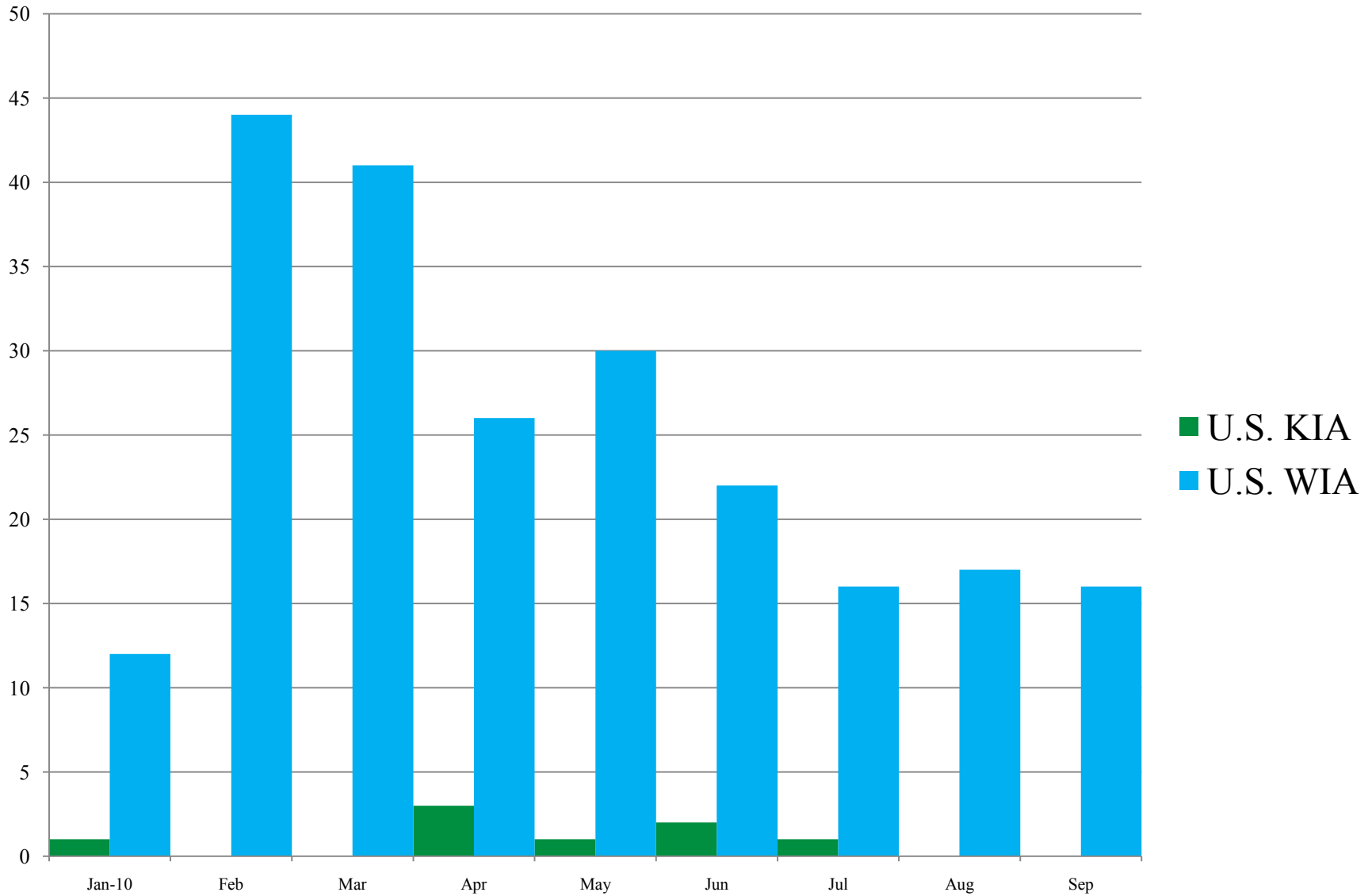
IED US Forces KIA and WIA Statistics 2003-2010



IED US Forces KIA and WIA Statistics 2003-2009



IED US Forces KIA and WIA Statistics 2010



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IED Metrics for Afghanistan January 2004 - September 2010

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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

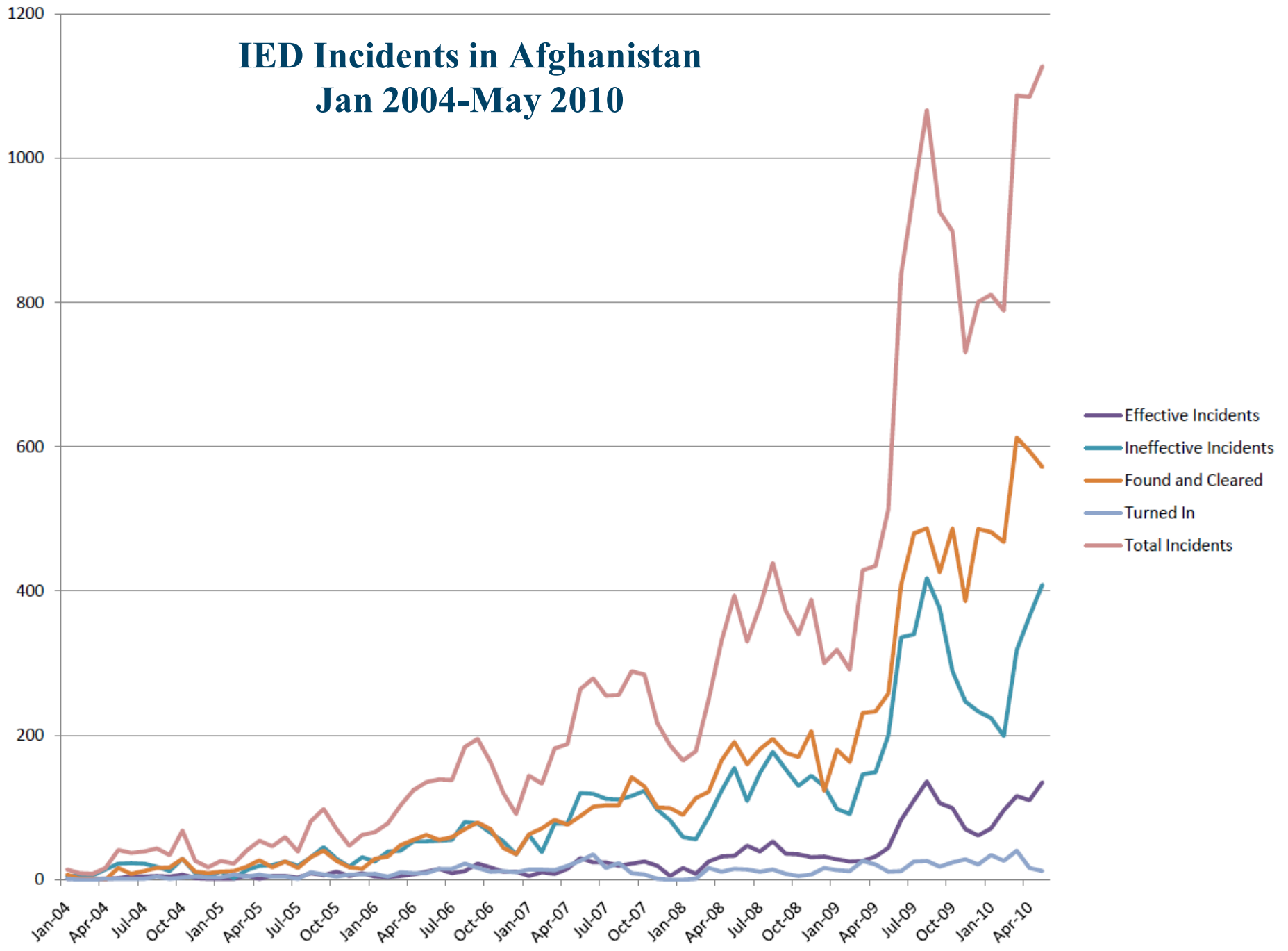
IED Incidents in Afghanistan, Jan 2004-May 2010

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

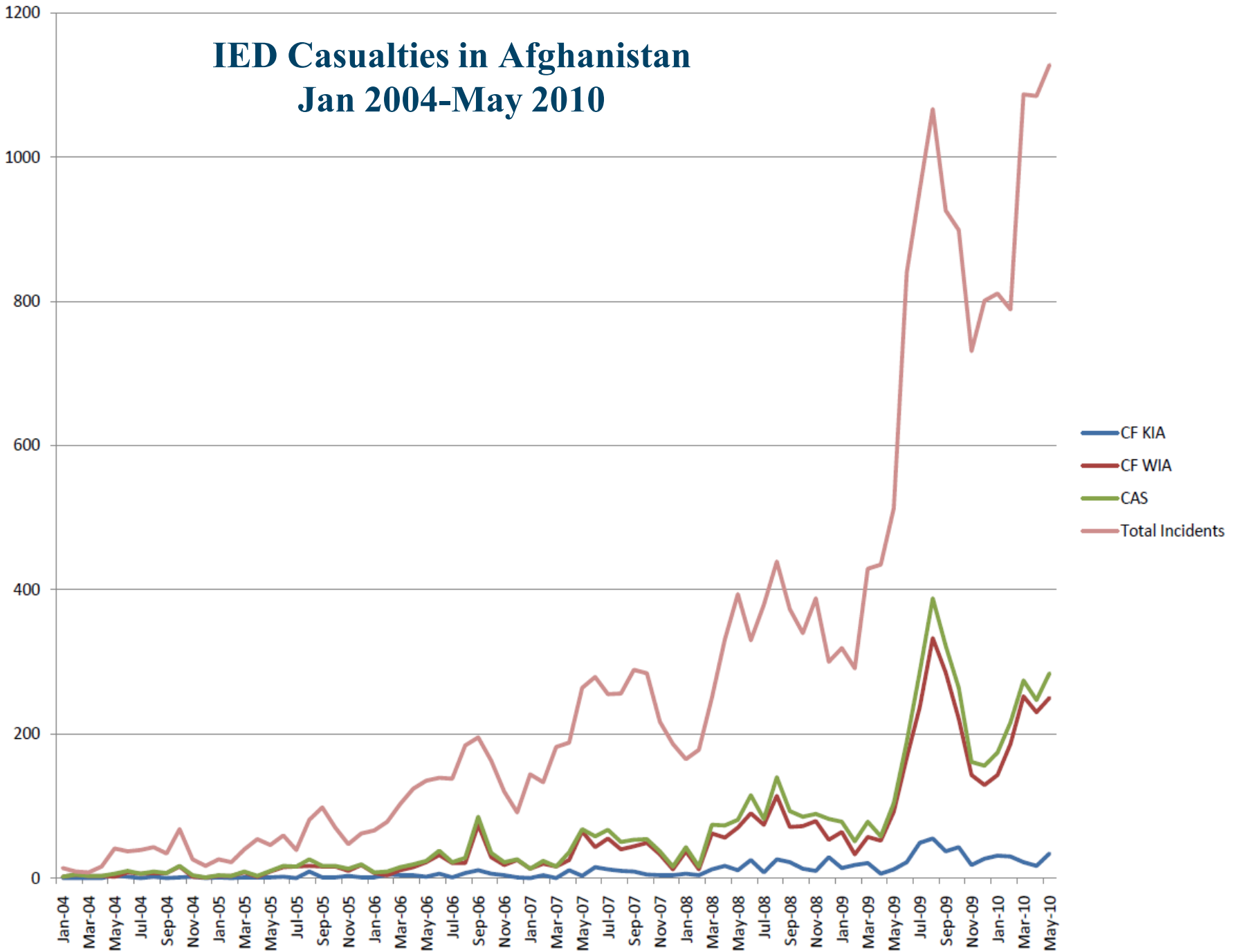
IED Incidents in Afghanistan

Jan 2004-May 2010

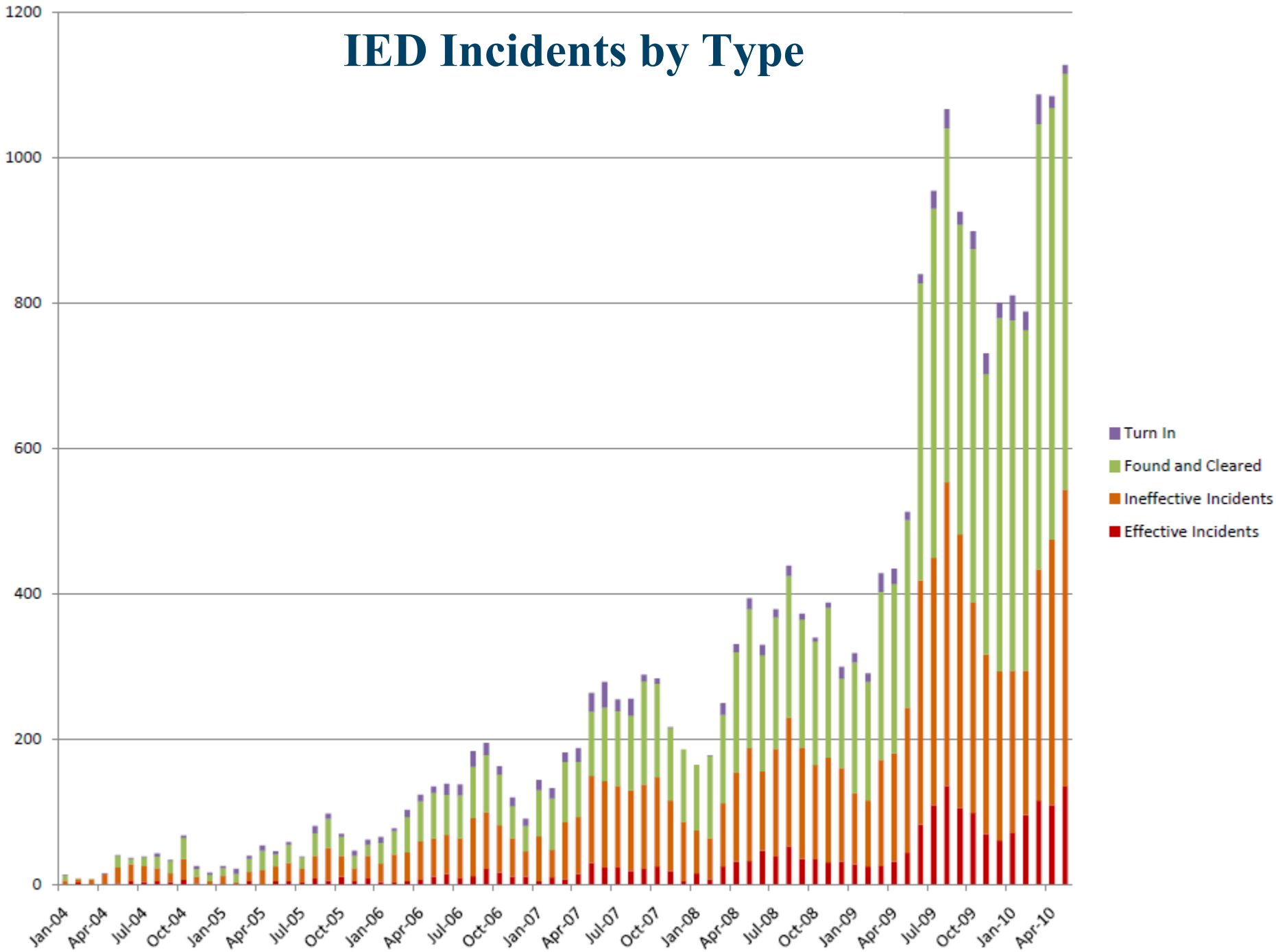


IED Casualties in Afghanistan

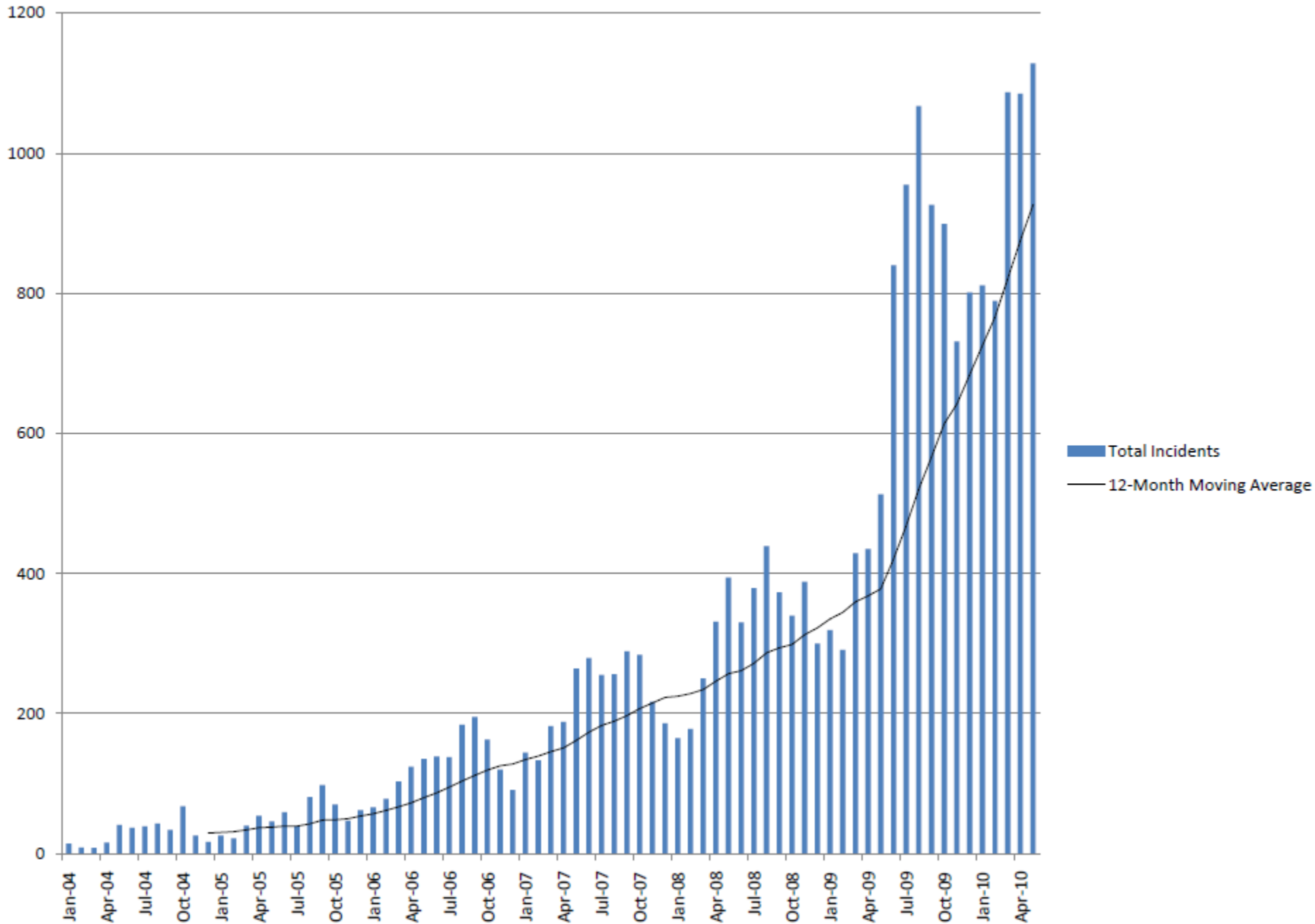
Jan 2004-May 2010



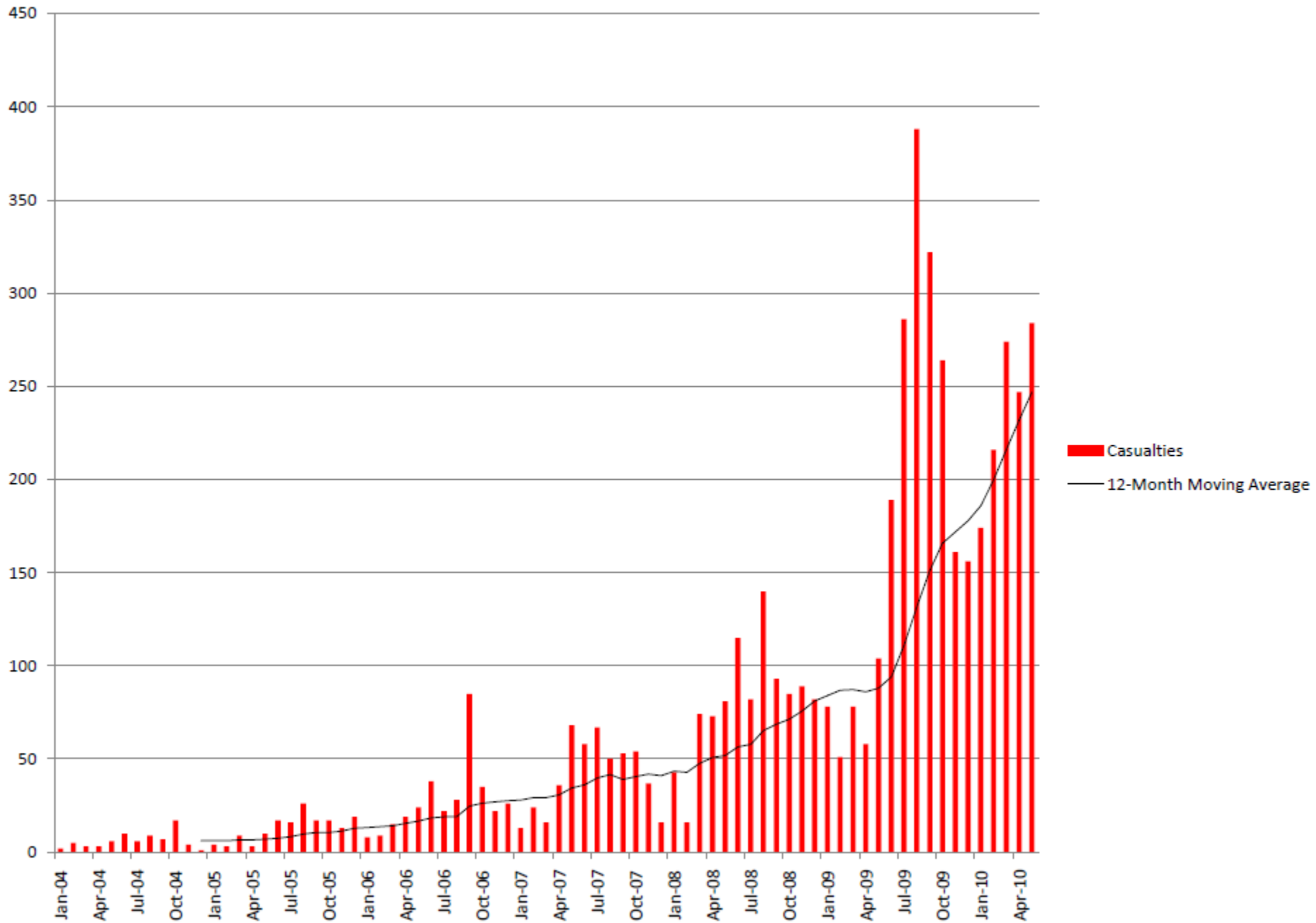
IED Incidents by Type



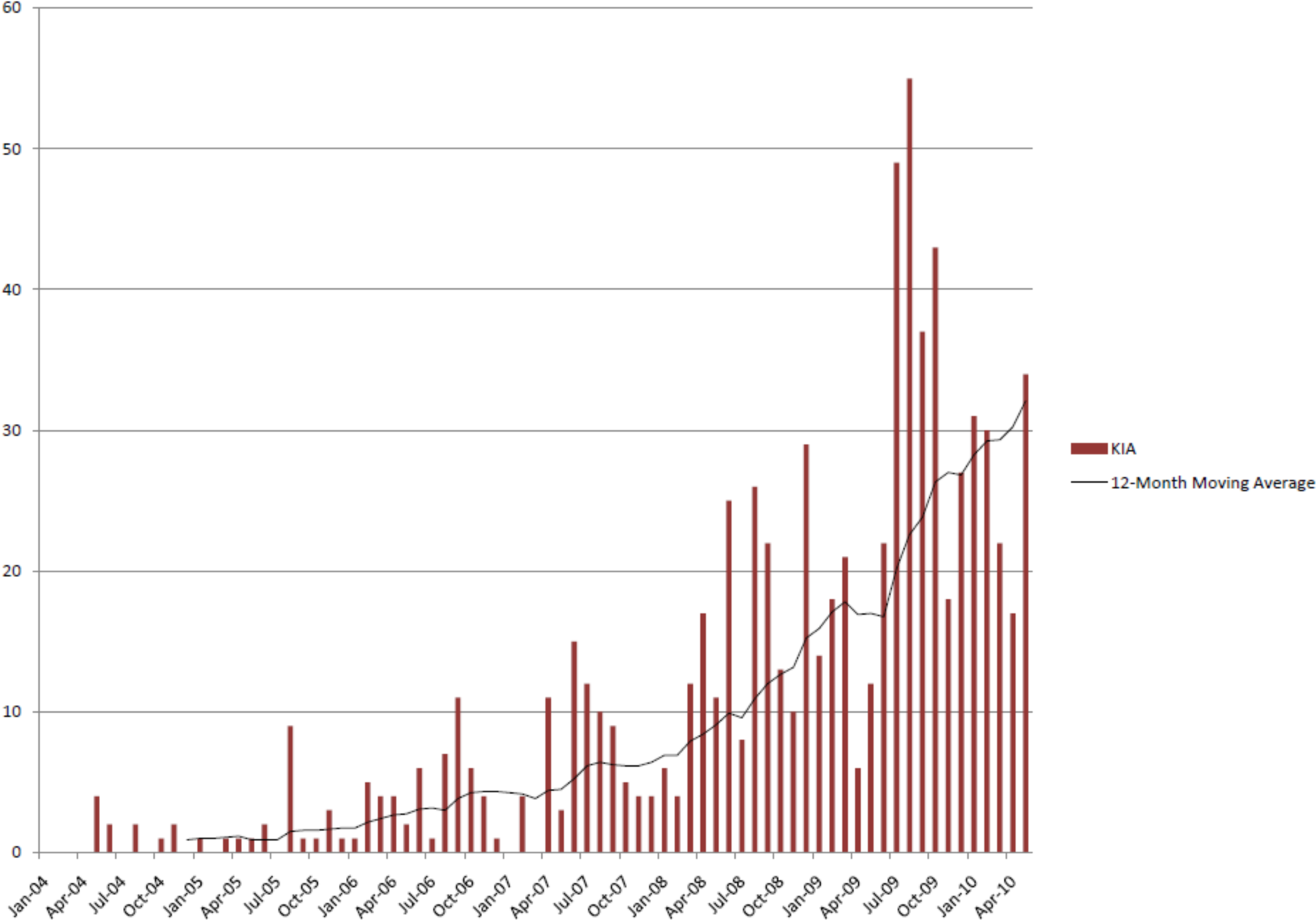
Total IED Incidents



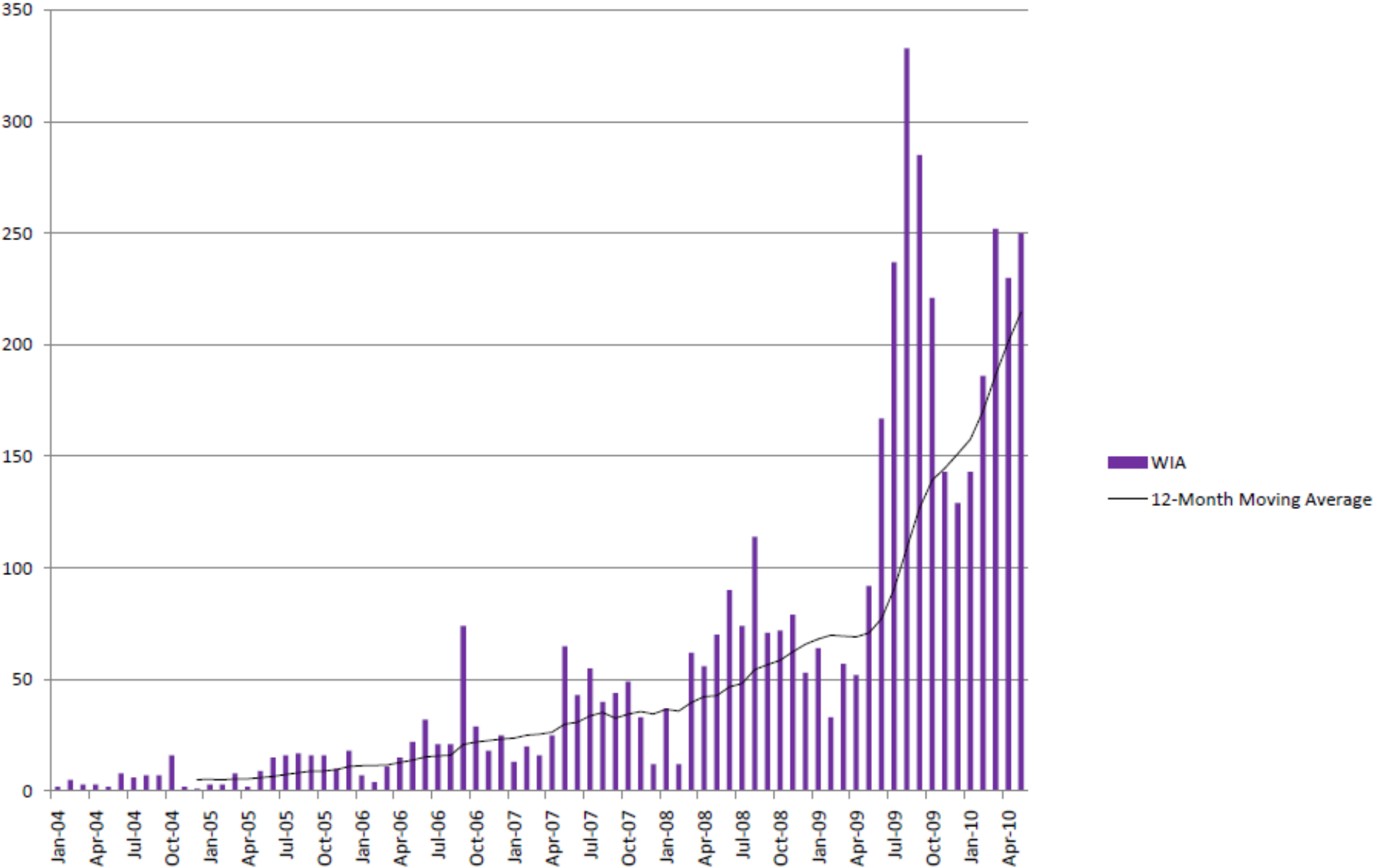
Casualties



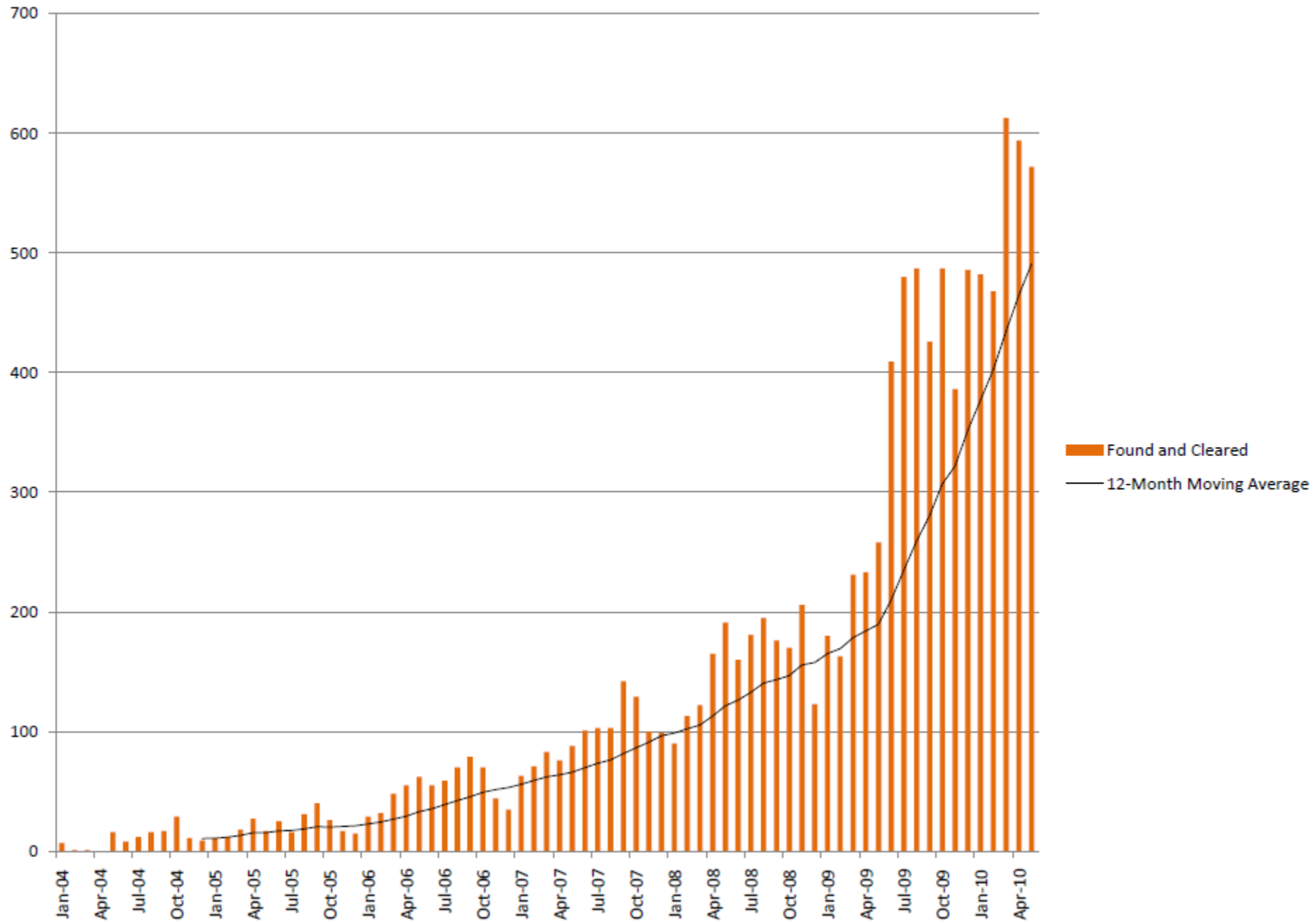
Coalition Forces Killed in Action



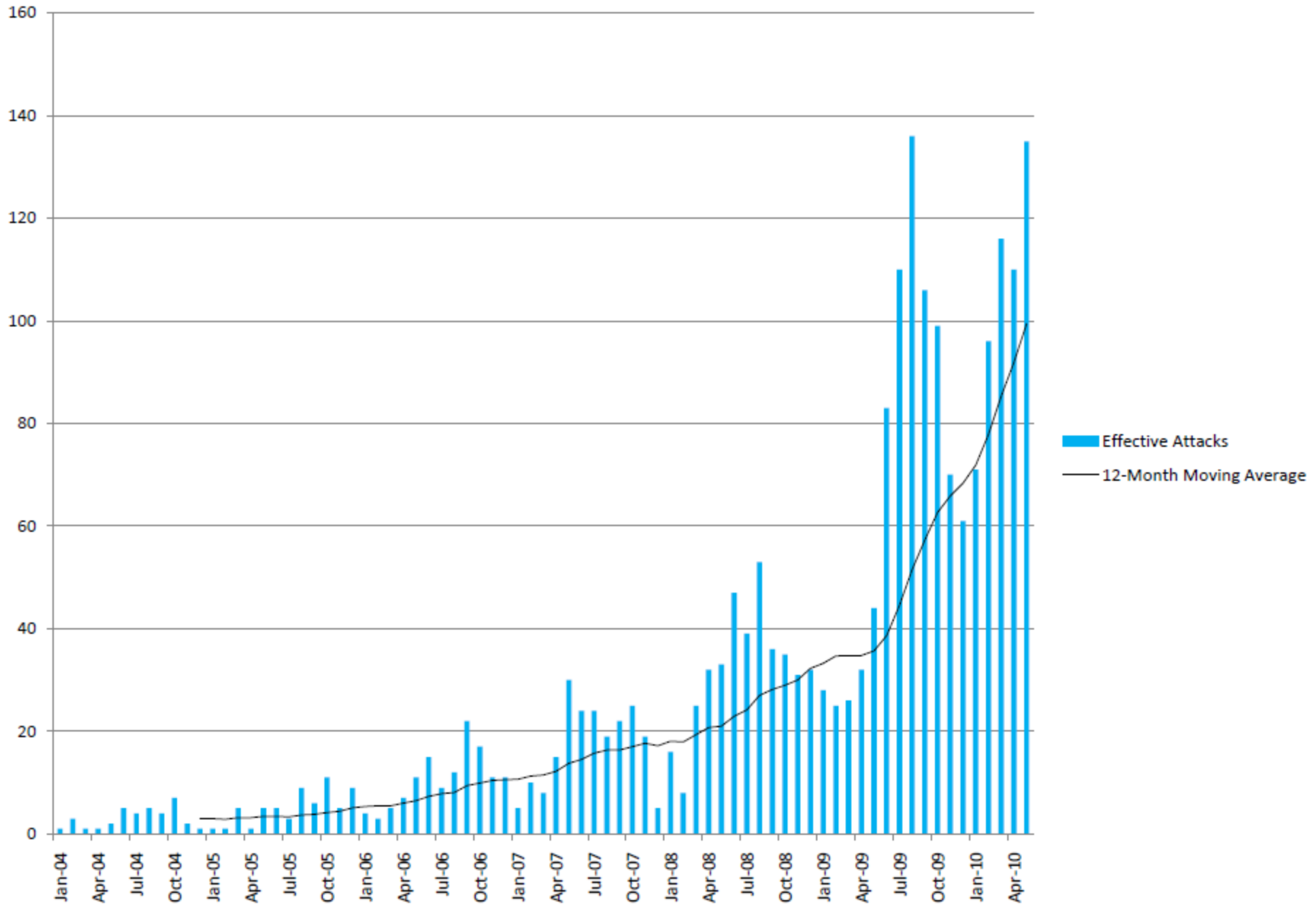
Coalition Forces Wounded in Action



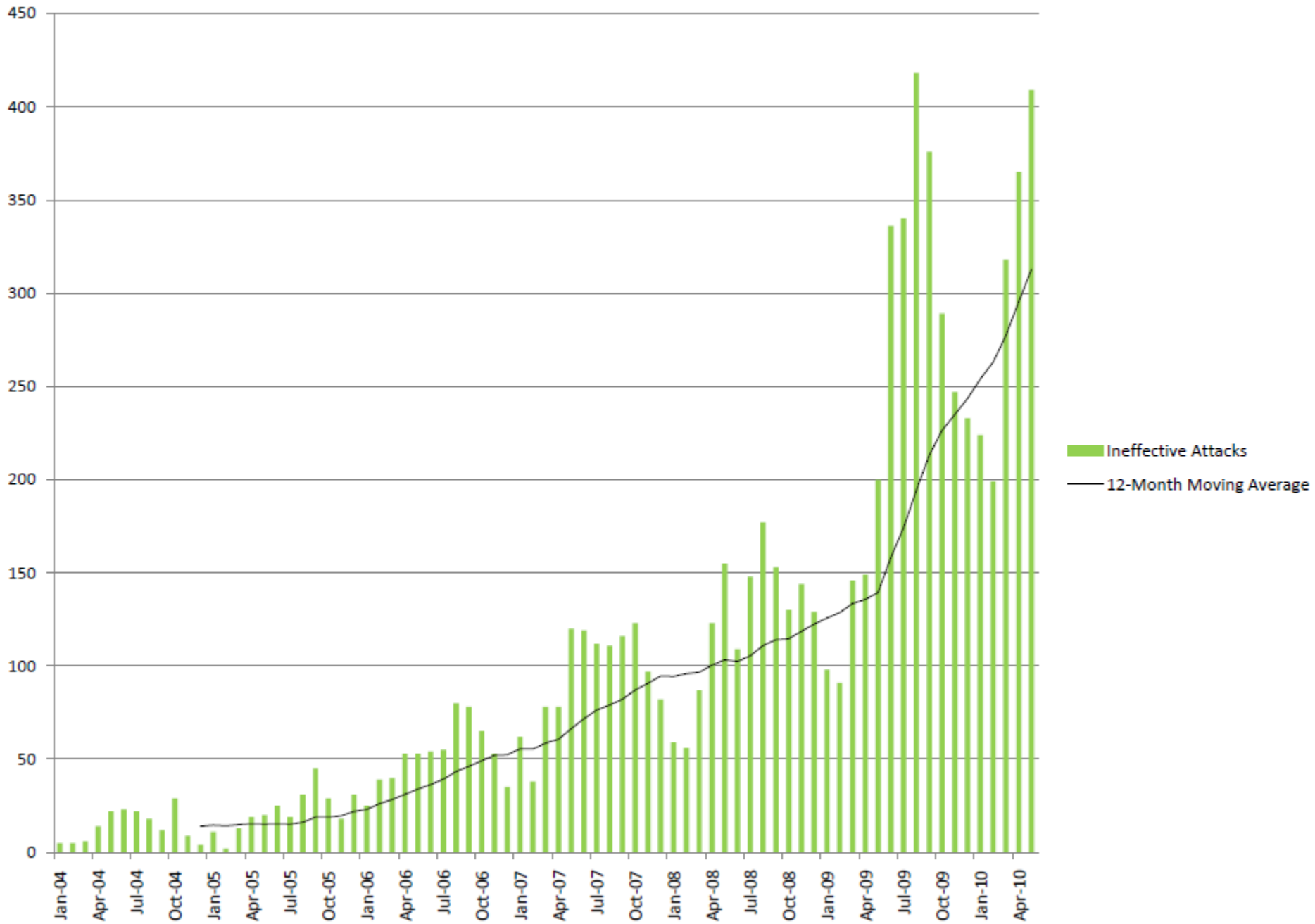
IEDs Found and Cleared



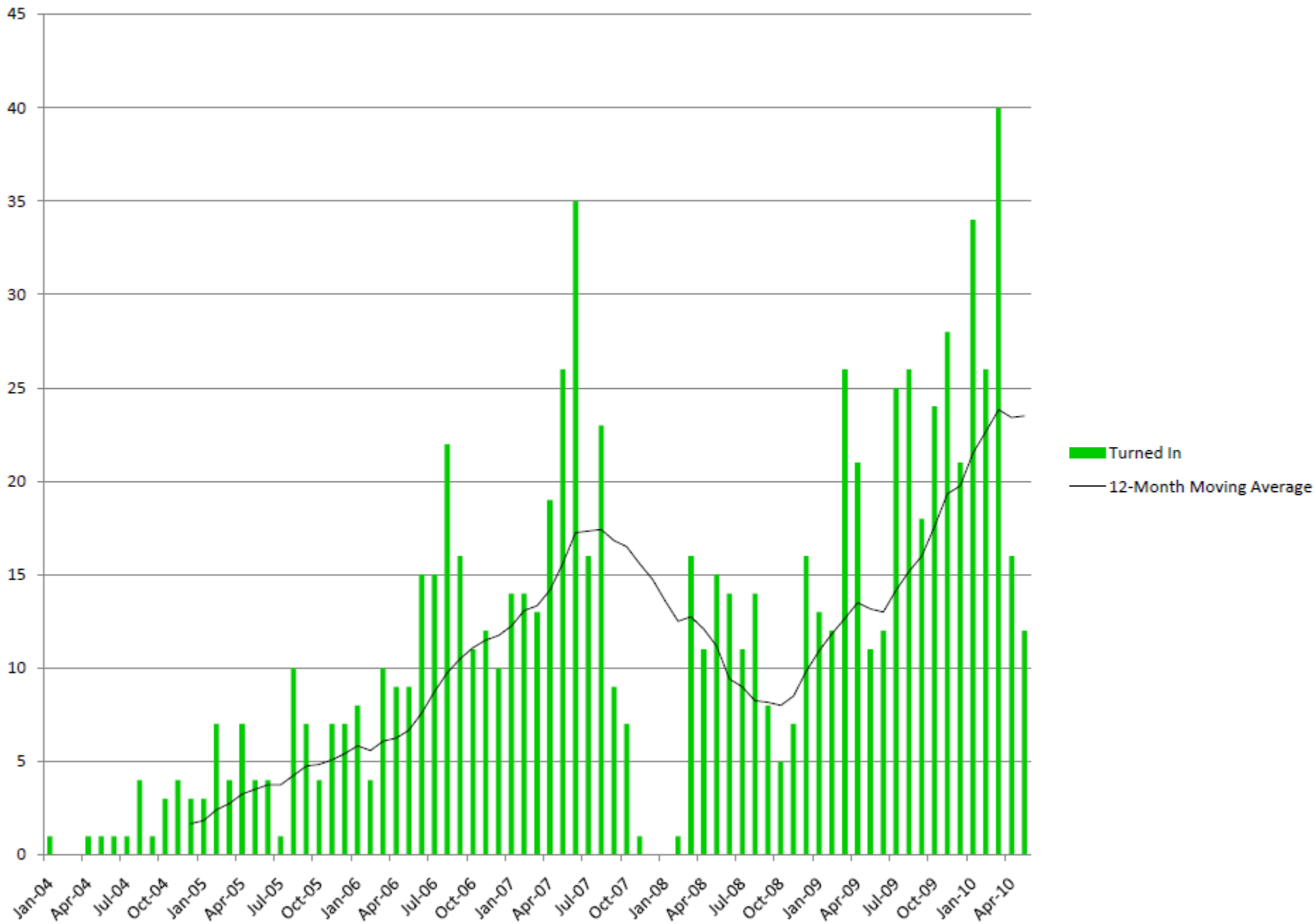
Effective IED Attacks



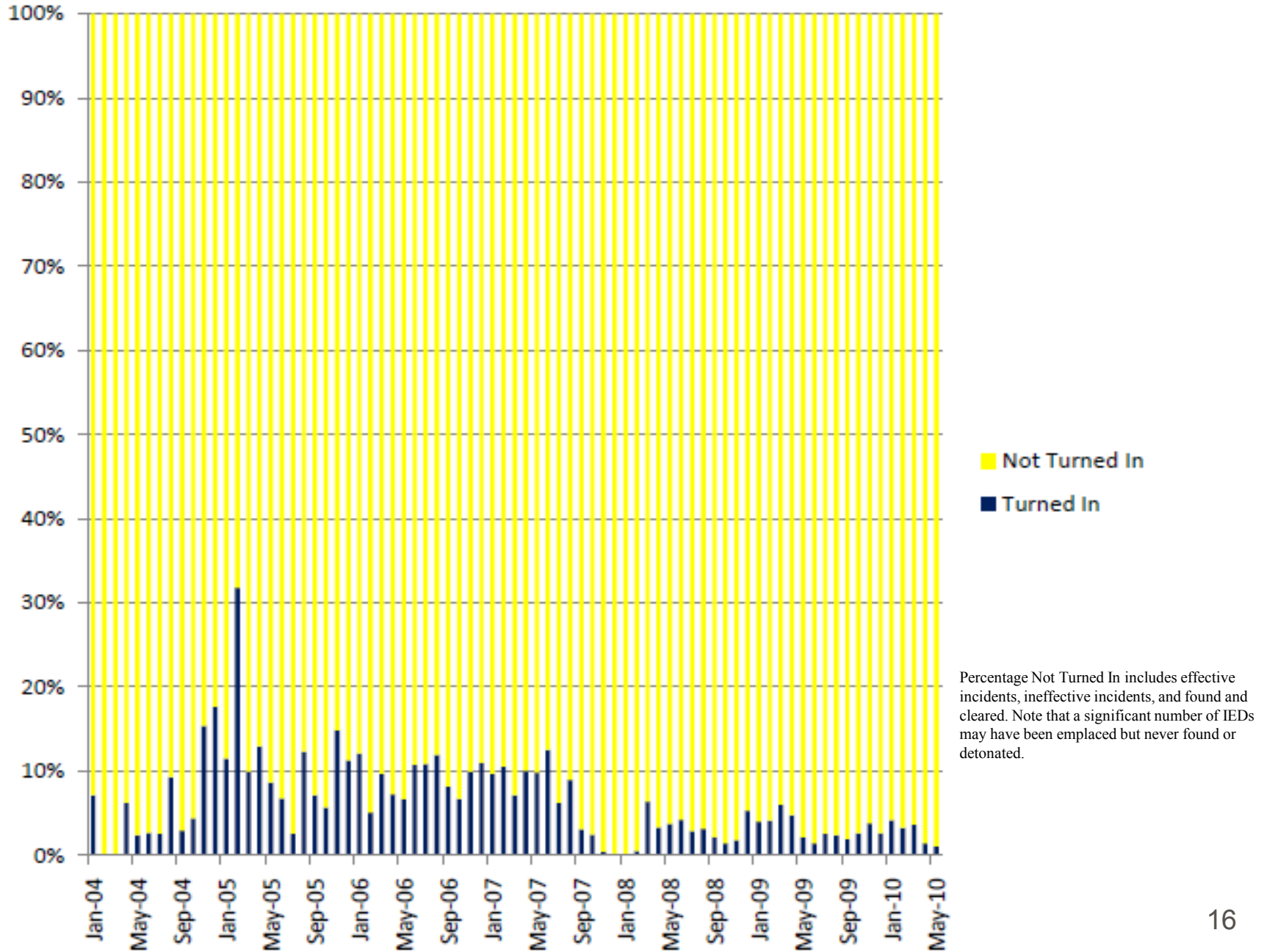
Ineffective IED Attacks



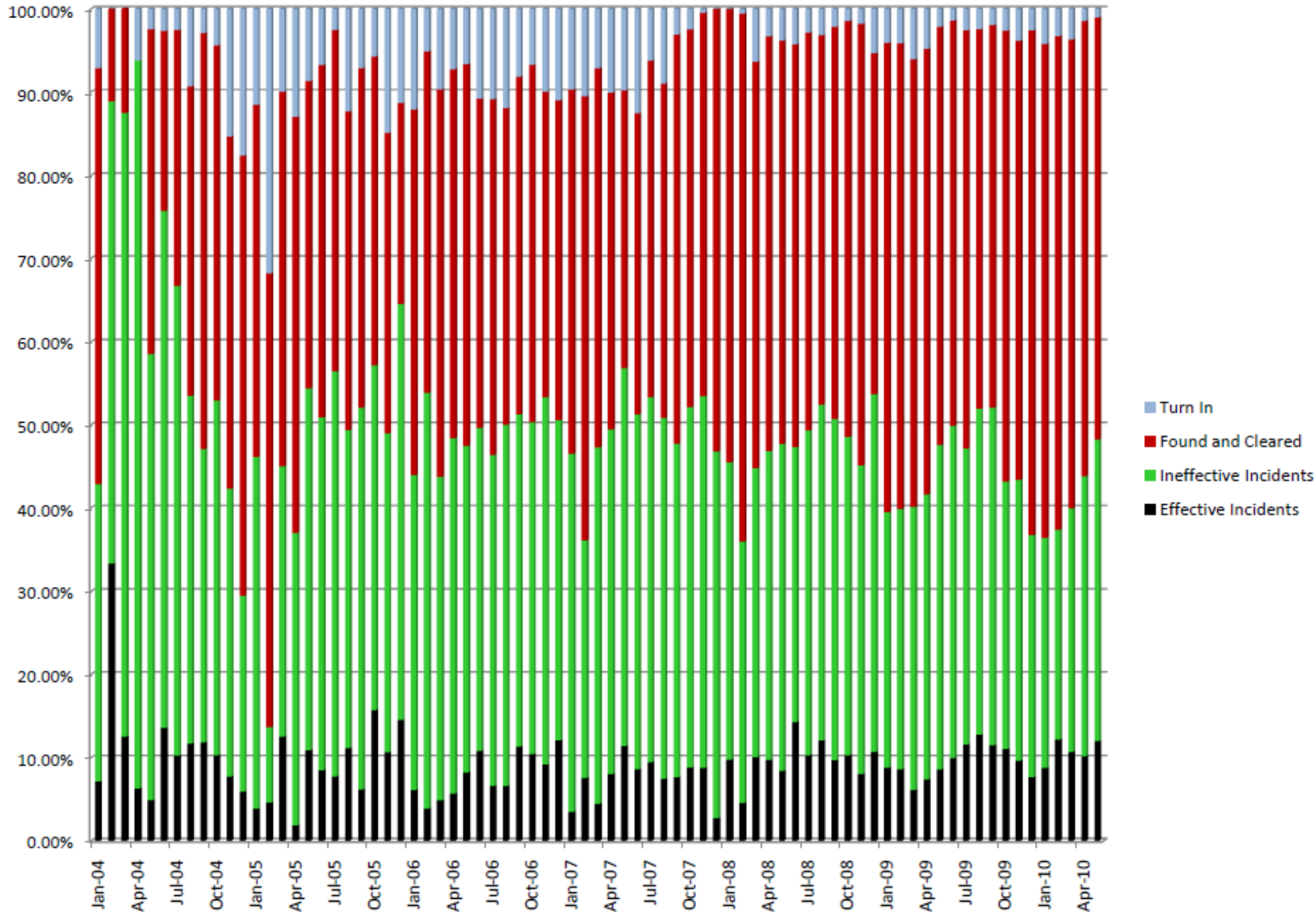
IEDs Turned In



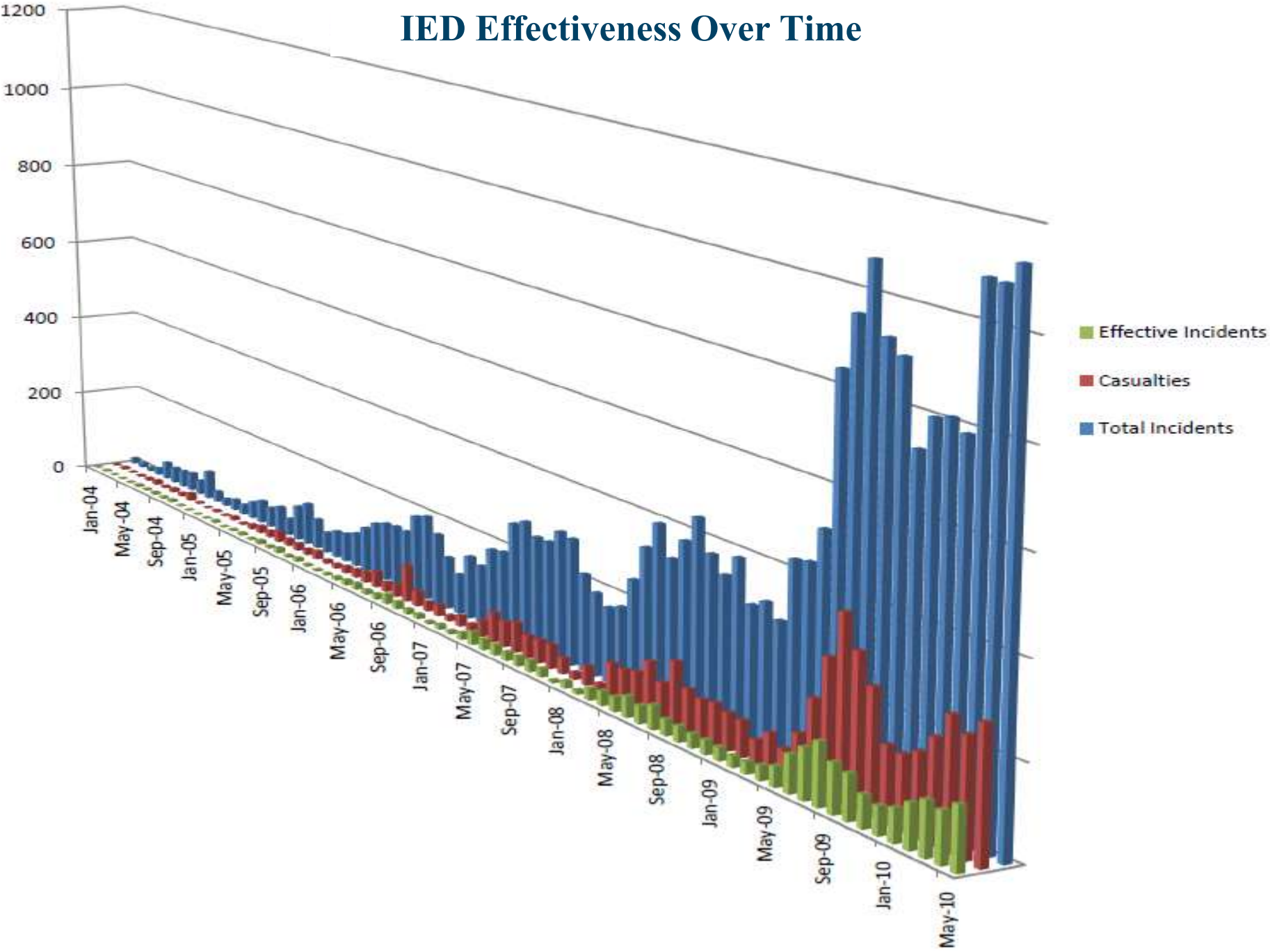
Percentage of IEDs Turned In



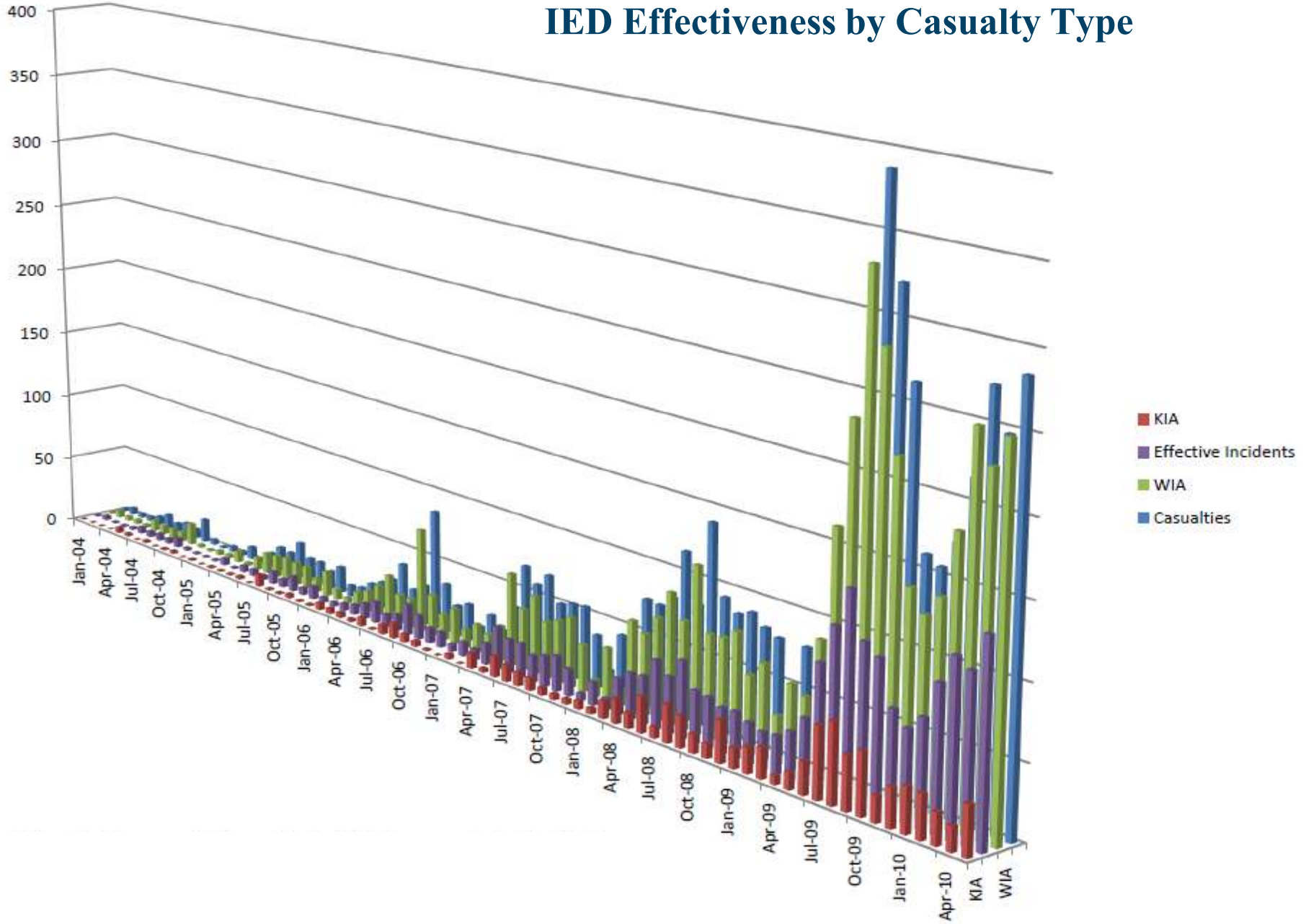
Relative Frequency of IED Incident Types



IED Effectiveness Over Time

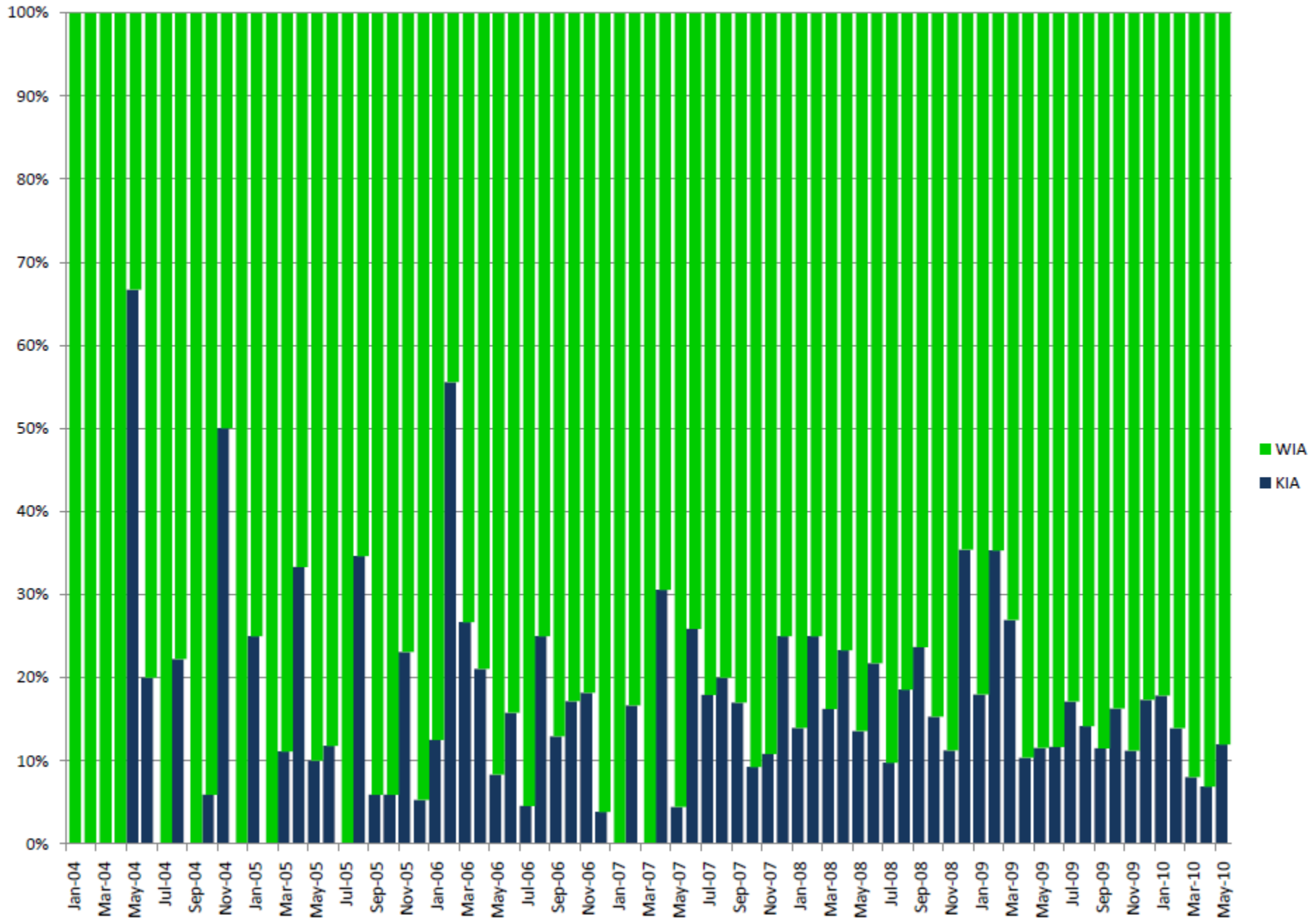


IED Effectiveness by Casualty Type

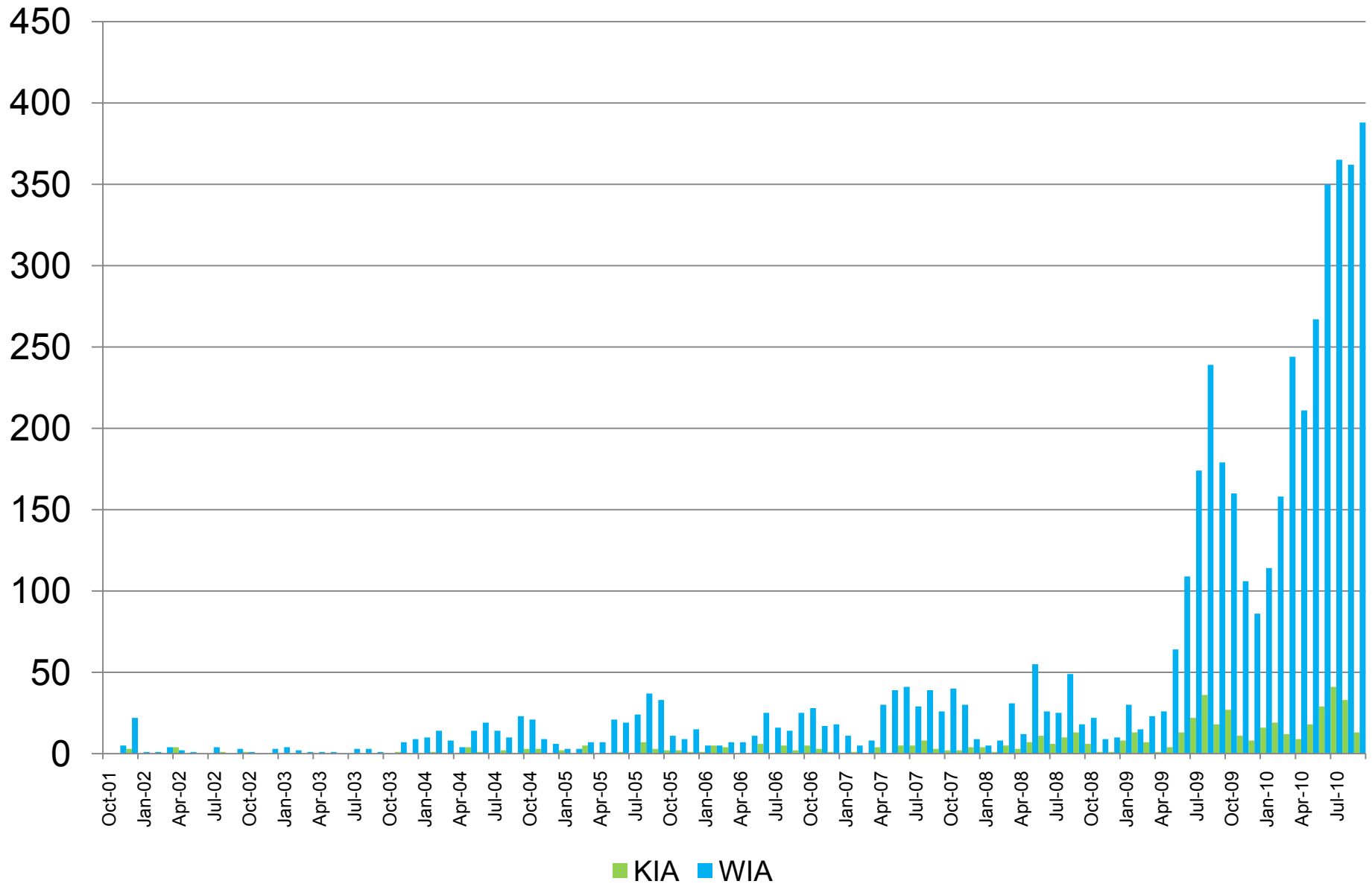


Lethality of IEDs Over Time

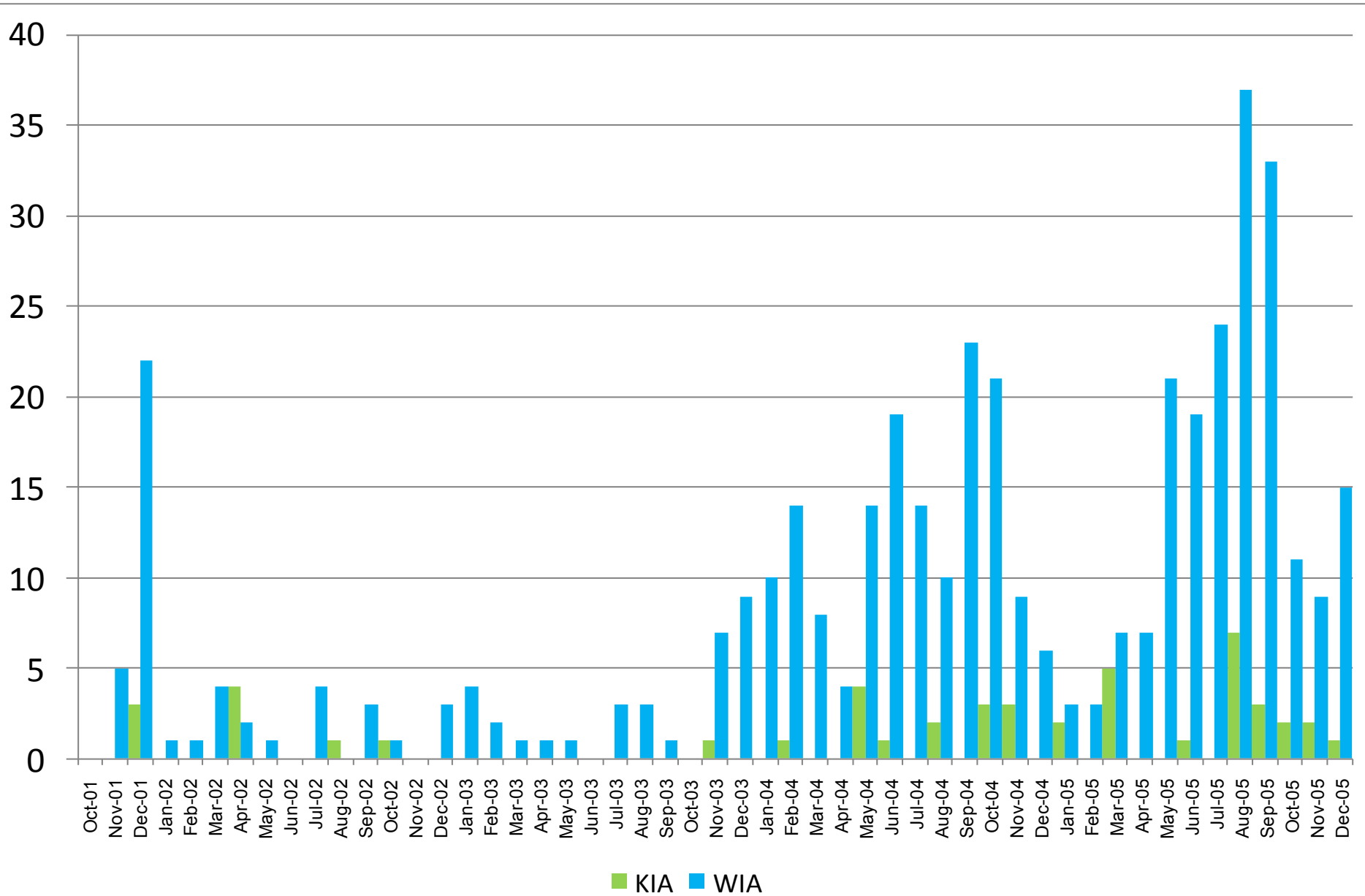
KIAs seem to have stabilized at a relatively low percentage of IED casualties in April 2009.



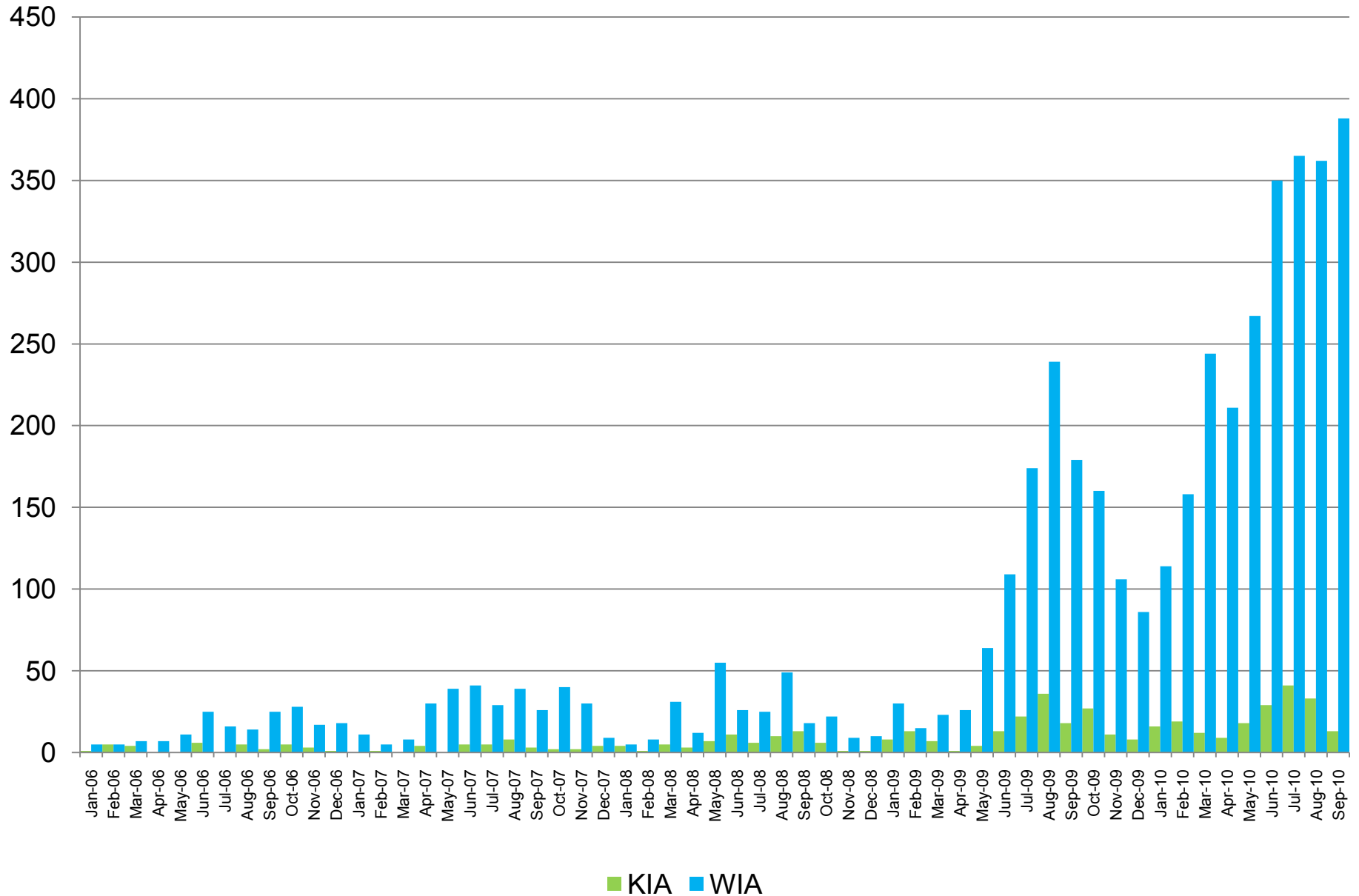
IED US Forces KIA and WIA Statistics 2001-2010



IED US Forces KIA and WIA Statistics 2001-2005



IED US Forces KIA and WIA Statistics 2006-2010



IED US Forces KIA and WIA Statistics 2010

