

1. Basic Descriptives

Figure 1 shows that the distribution of days of non-zero events (those including events without violence, with violence, death or torture) is not uniform across the different sources. This suggests that the difference is not simply one of scale (i.e., one source sampling more events than another). Rather, the differences suggest something very different going on.

Figure 2 shows the distribution of events involving death across the month of April, 1994. Here, the differences are also interesting. Africa Rights puts the peak of the conflict in early April, shortly after it started. Human Rights Watch suggests that, while this early time was quite deadly, the peak really comes closer to the end of April, that the conflict ends in a flurry of killing. The two government sources tell roughly the same story, that the peak of the killing comes toward the middle of the conflict and that the right tail is longer than the left one. That is to say that the conflict escalated more rapidly than it de-escalated.

Figure 3 shows the distribution of lethality across the month of April, 1994, for the four different sources. Despite the differences in the number of events across sources, they all suggest that the bulk of the killing happens between April 15 and April 20. Table 1 shows the five most lethal days by and the number of victims according to each dataset.

Table 1. Five Most Lethal Days for Each Data Source

Africa Rights		Human Rights Watch		Ministry of Education		Ministry of YCS	
Date	Number	Date	Number	Date	Number	Date	Number
04/17	93.4	04/19	22.2	04/15	125.7	04/15	136.3
04/12	41.7	04/18	5.5	04/22	76.8	04/19	98.7
04/21	32.9	04/15	3.1	04/21	76.2	04/22	76.2
04/18	31.0	05/14	3.0	04/19	68.3	04/13	74.1
04/19	30.8	05/15	3.0	04/20	50.5	04/20	65.5

Values in “Number” columns are in thousands.

As you can see from the table, April 19 is identified as one of the 5 most lethal days across all sources. Many of the others show up in multiple datasets. One interesting thing to note is that two of the most lethal days identified by Human Rights Watch are in May of 1994 (the 14th

and 15th). All of the other days identified by the other three data sources are in the middle of April.

Table 2 shows the five deadliest days by prefecture for each dataset.

Table 2. Five Most Deadly Days by Prefect

	Africa Rights		Human Rights Watch		Ministry of Education		Ministry of YCS	
	Date	#	Date	#	Date	#	Date	#
Kigali-ville	04/24	1856	04/08	36	04/08	2000	04/07	8700
	04/26	1751	01/01	0	04/20	500	04/15	6164
	04/25	1750	12/31	0	04/07	200	04/08	2000
	04/13	901	12/30	0	06/10	100	04/20	500
	04/15	421	12/29	0	04/30	100	06/10	100
Kigali-rural	04/15	11376	04/09	125			04/13	43869
	04/13	1800	04/07	3			04/10	33802
	04/23	1750					04/16	17137
	04/22	875					04/08	13951
	04/21	875					04/12	13252
Byumba	04/09	9	06/02	1	04/12	1865		
	04/08	9			04/13	607		
	04/07	9			04/14	582		
	05/10	7			04/19	251		
	04/26	1			04/17	187		
Kibungo	04/09	3081	04/07	750	04/15	23696	04/12	17024
	04/14	3000	04/06	750	04/16	20701	04/16	15349
	04/12	2508			04/12	15044	04/14	13370
	04/15	1250			04/14	8725	04/15	13343
	04/10	1250			04/13	8046	04/13	8024
Butare	04/19	22500	04/19	22214	04/15	95915	04/15	95915
	04/28	2258	04/18	5337	04/22	71500	04/19	84400
	04/26	2252	04/20	2962	04/19	51700	04/22	71500
	04/27	2250	04/27	600	04/21	48030	04/20	31000
	04/25	2250	07/22	300	04/20	31000	04/23	16718
Gitarama	04/11	3500	06/11	1500			04/20	25780
	04/19	350	07/10	25			04/19	11850
	05/08	35	06/23	25			04/22	4365
	05/26	13	06/20	25			04/11	4100
	05/24	10	06/05	6			06/24	4000

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	Africa Rights		Human Rights Watch		Ministry of Education		Ministry of YCS	
	Date	#	Date	#	Date	#	Date	#
Gikongoro	04/21	31000	04/15	3048	04/21	27000	04/21	15000
	04/17	17000	04/16	300	04/20	15780	04/07	5900
	04/14	15000	04/18	127	04/19	11850		
	04/12	11000	05/07	90	04/22	4330		
	04/19	7000	04/07	22	04/11	4100		
Ruhengeri					04/12	3020	04/12	3013
					04/07	48	04/07	300
					04/13	20	04/15	100
					04/10	13	04/14	13
							04/13	13
Gisenyi	04/09	3312	04/07	553			04/10	5460
	05/01	218	04/21	43			04/13	4000
	04/07	75					04/15	380
	04/26	5						
	07/15	3						
Kibuye	04/17	72700	05/15	3000	04/10	28260	04/13	17877
	04/18	30000	05/14	3000	04/14	25597	04/12	17877
	04/12	28000			04/16	23138	04/14	17377
	04/16	15208			04/12	17126	04/11	17335
	04/15	12000			04/11	17006	04/15	11000
Cyangugu	04/08	8007	04/10	3			04/12	600
	04/13	5500					04/14	532
	04/29	4500					04/11	366
	04/09	4500					04/10	346
	04/11	2602					04/13	286

Table 3. Total Non-Violent and Violent events by Prefecture and Source

	Without Violence		Violent	
	Africa Rights	Human Rights Watch	Africa Rights	Human Rights Watch
Kigali-ville	10	0	9	0
Kigali-rural	0	0	15	0
Byumba	0	1	0	0
Kibungo	9	0	5	0
Butare	2	52	11	8
Gitarama	3	1	2	0
Gikongoro	3	3	8	0
Ruhengeri	0	0	0	0
Gisenyi	3	0	1	0
Kibuye	2	0	4	1
Cyangugu	10	0	10	0

Table 4. Total Victim Count by Prefecture and Source

	Africa Rights	Human Rights Watch	Ministry of Education	Ministry of YCS
Kigali-ville	7953	36	2900	17564
Kigali-rural	21090	128	0	177614
Byumba	34	1	4464	0
Kibungo	13130	1500	108721	81383
Butare	36539	32495	357872	361322
Gitarama	3923	1583	0	57946
Gikongoro	81090	3596	81610	20900
Ruhengeri	0	0	3101	3452
Gisenyi	3623	596	0	9840
Kibuye	159912	6000	163016	89515
Cyangugu	32613	3	0	4056

Table 5. Probability of Government Involvement by Prefecture and Source

	Africa Rights	Human Rights Watch	Ministry of Education	Ministry of YCS
Kigali-ville	0.500	0.500	NA	1.000
Kigali-rural	0.780	0.750	NA	1.000
Byumba	NA	1.000	0.000	1.000
Kibungo	0.407	1.000	0.896	0.969
Butare	0.520	0.856	0.923	1.000
Gitarama	0.812	0.750	NA	1.000
Gikongoro	0.615	0.917	0.688	NaN
Ruhengeri	NA	NA	1.000	1.000
Gisenyi	0.300	0.200	NA	1.000
Kibuye	0.725	0.000	0.828	1.000
Cyangugu	0.442	0.000	NA	1.000

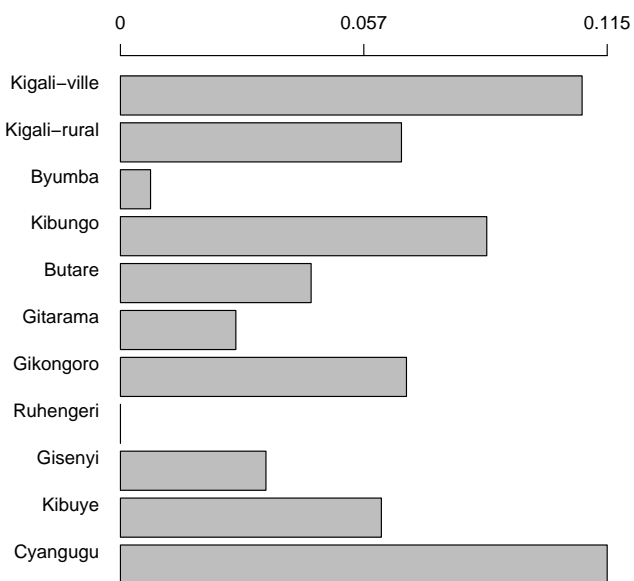
Table 6. Probability of Non-Government Involvement by Prefecture and Source

	Africa Rights	Human Rights Watch	Ministry of Education	Ministry of YCS
Kigali-ville	0.197	0.000	NA	NA
Kigali-rural	0.200	0.000	NA	1.000
Byumba	NA	0.000	0.750	NA
Kibungo	0.169	0.000	0.458	0.844
Butare	0.040	0.285	0.577	0.833
Gitarama	0.250	0.000	NA	1.000
Gikongoro	0.410	0.500	0.875	NA
Ruhengeri	NA	NA	0.000	1.000
Gisenyi	0.000	0.200	NA	1.000
Kibuye	0.600	0.000	0.466	1.000
Cyangugu	0.442	0.000	NA	1.000

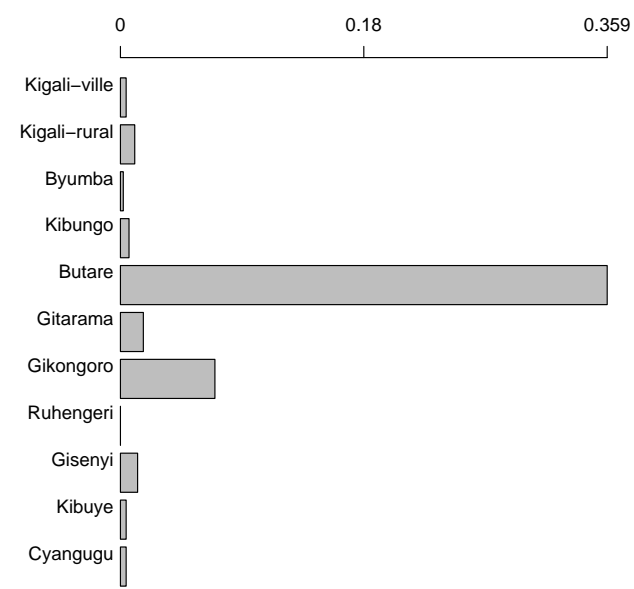
Table 7. Probability of Militia Involvement by Prefecture and Source

	Africa Rights	Human Rights Watch	Ministry of Education	Ministry of YCS
Kigali-ville	0.682	1.000	NA	NA
Kigali-rural	0.640	0.750	NA	1.0
Byumba	NA	0.000	0.500	1.0
Kibungo	0.881	1.000	0.542	1.0
Butare	0.640	0.314	0.077	0.5
Gitarama	0.562	0.250	NA	1.0
Gikongoro	0.487	0.167	0.094	NA
Ruhengeri	NA	NA	0.000	NA
Gisenyi	0.800	0.800	NA	1.0
Kibuye	0.475	1.000	0.035	1.0
Cyangugu	0.649	1.000	NA	1.0

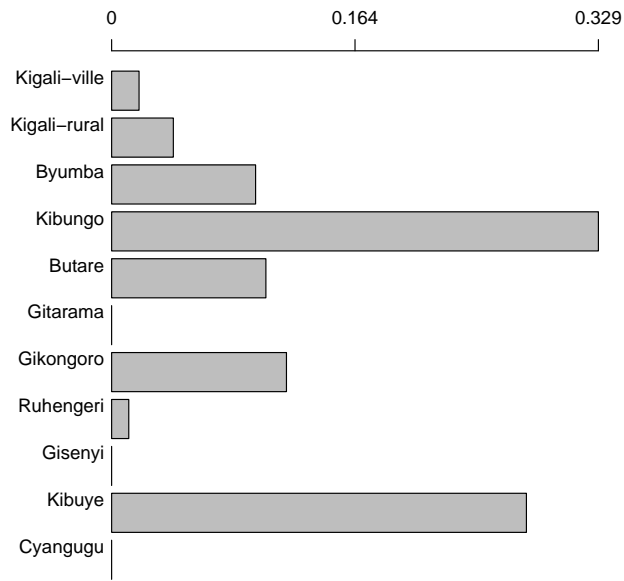
Figure 1. Distribution of Non-zero Event Days by Prefecture



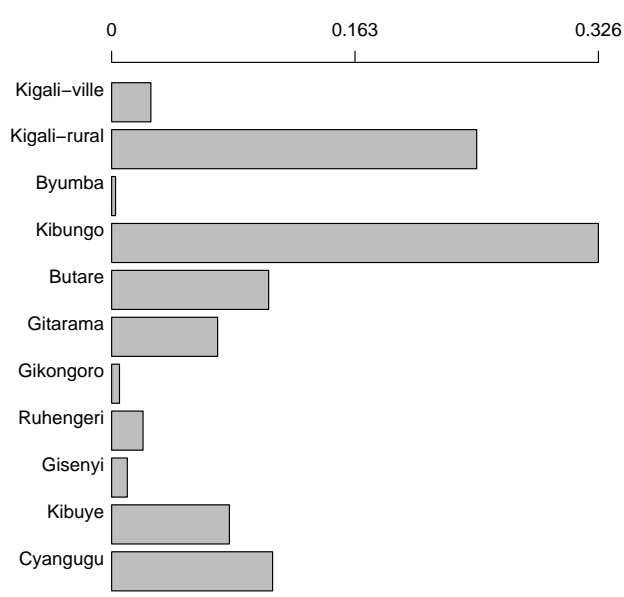
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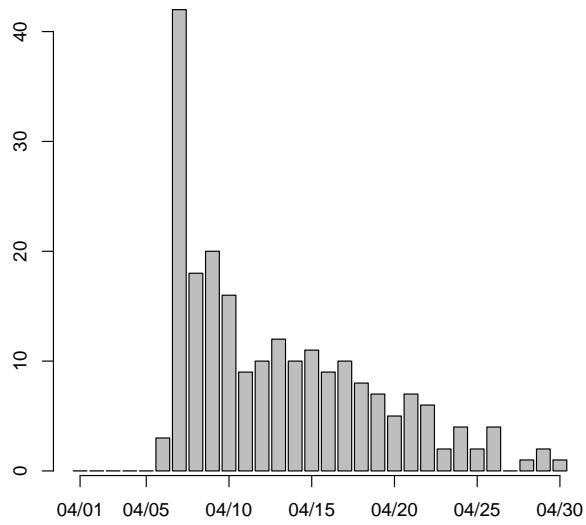
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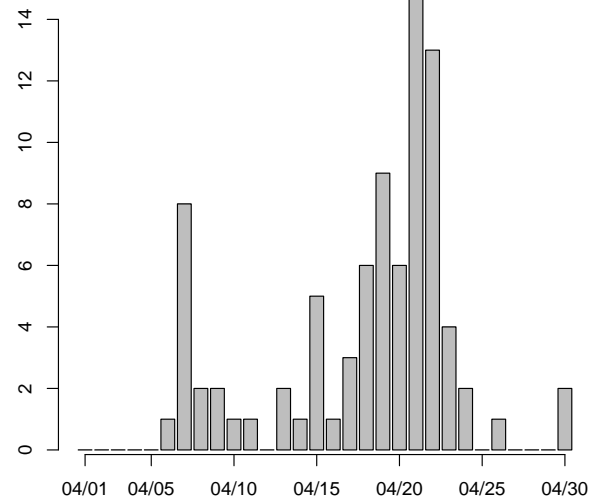
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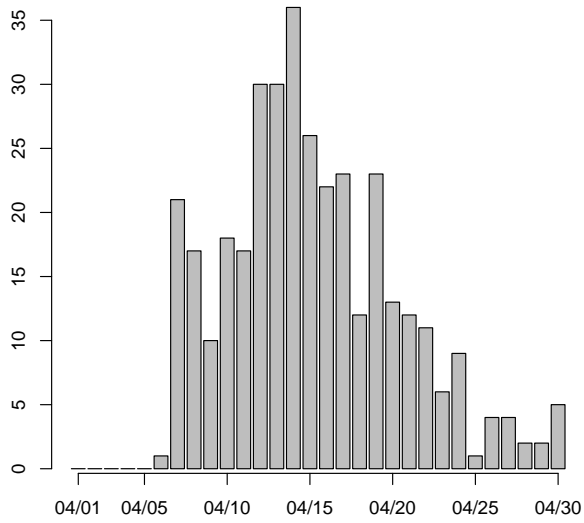
(d) Ministry of YCS

Figure 2. Distribution of Death-related Events by Day in April 1994

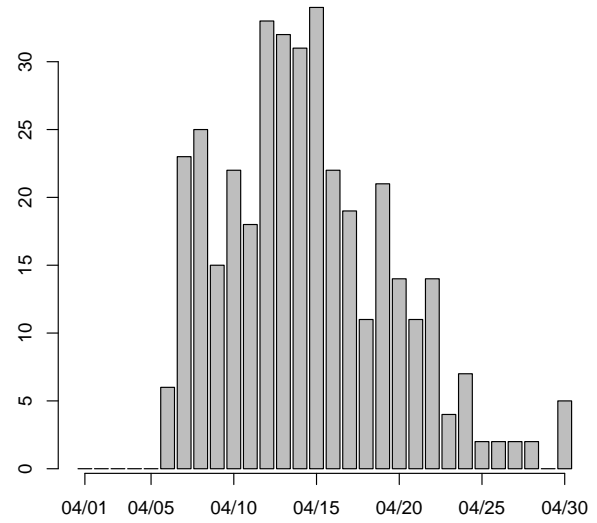
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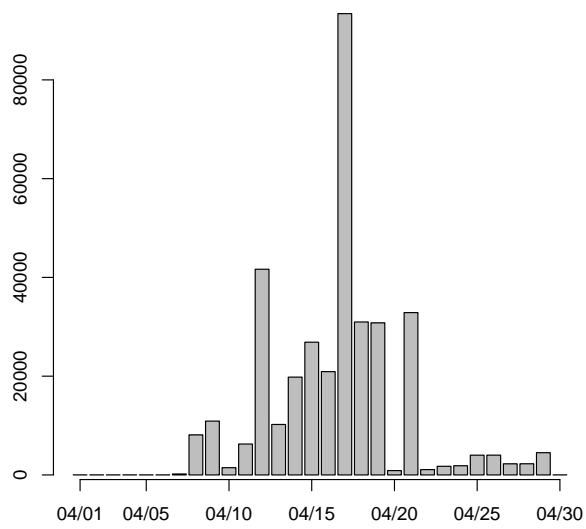
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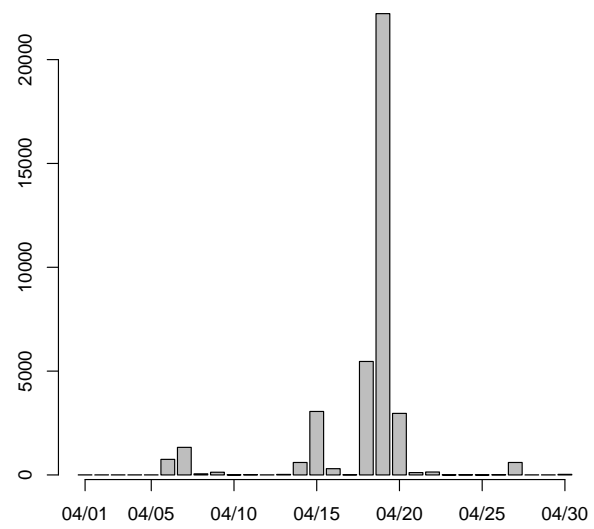
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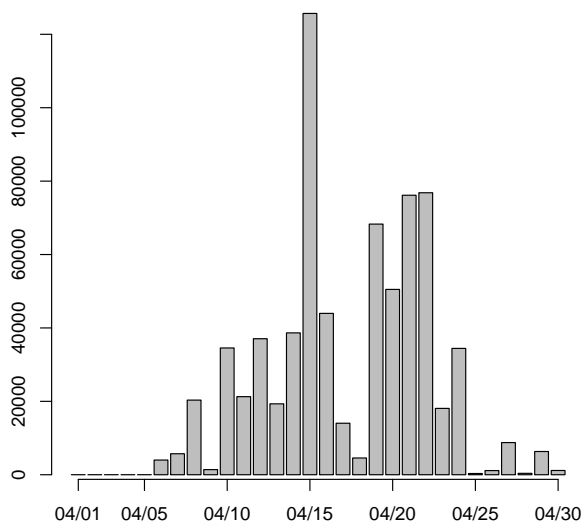
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Figure 3. Distribution of Victim Totals by Day in April 1994

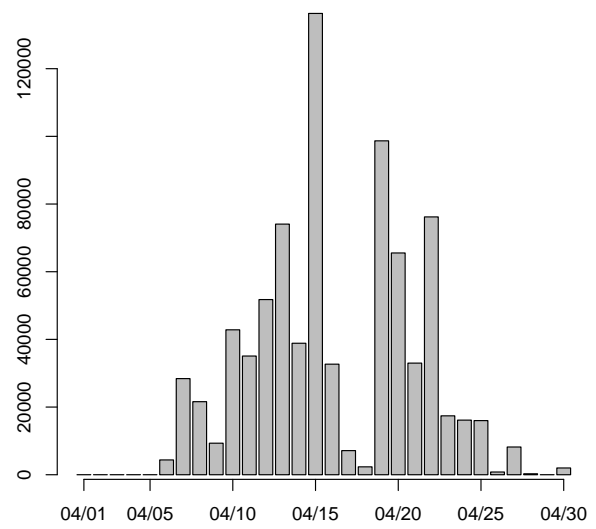
(a) AR



(b) HRW



(c) Ministry of Education



(d) Ministry of YCS