

Five +1 Tweets Showing that in Europe Covid19 is Very Similar to 2017/18 European Flu Epidemic Both in Total Number of Excess Deaths and Age Range of These Deaths

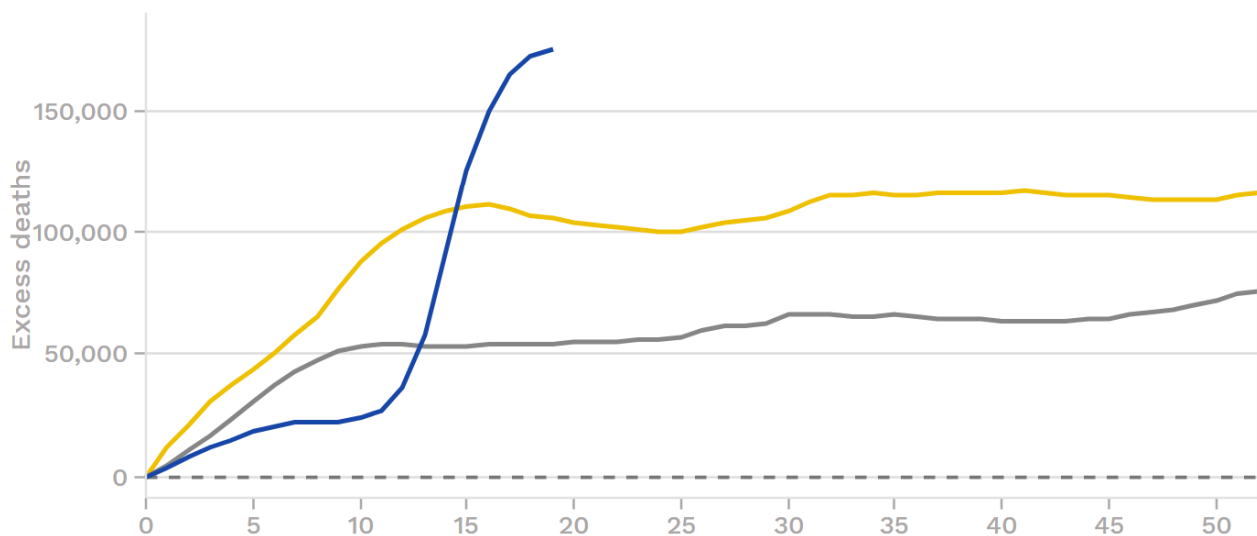
Michael Levitt (@MLevitt_NP2013)
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TWEET 1

@EdConwaySky @benton328 @phil_luttazi @KielRobinson @CeeMacBee @ScottGottliebMD @CT_Bergstrom @BuckSexton @nataliexdean @sav_says_ @JamesOKeefelll @NACristakis Europe's COVID19 Excess Deaths plateau at 153,006, 15% more than 17/18 Flu with same age range counts. Details follow

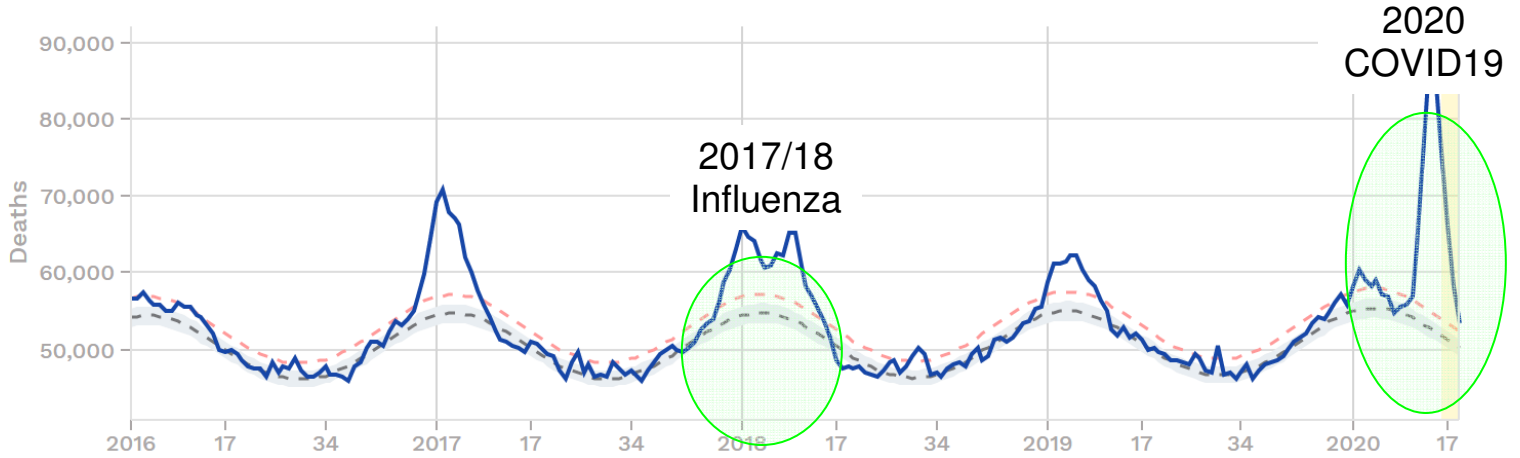
----- Baseline 2018 2019 2020

All ages



— Pooled deaths
 Normal range
 - - - - Baseline
 - - - - Substantial increase
 Corrected for delay in registration

All ages



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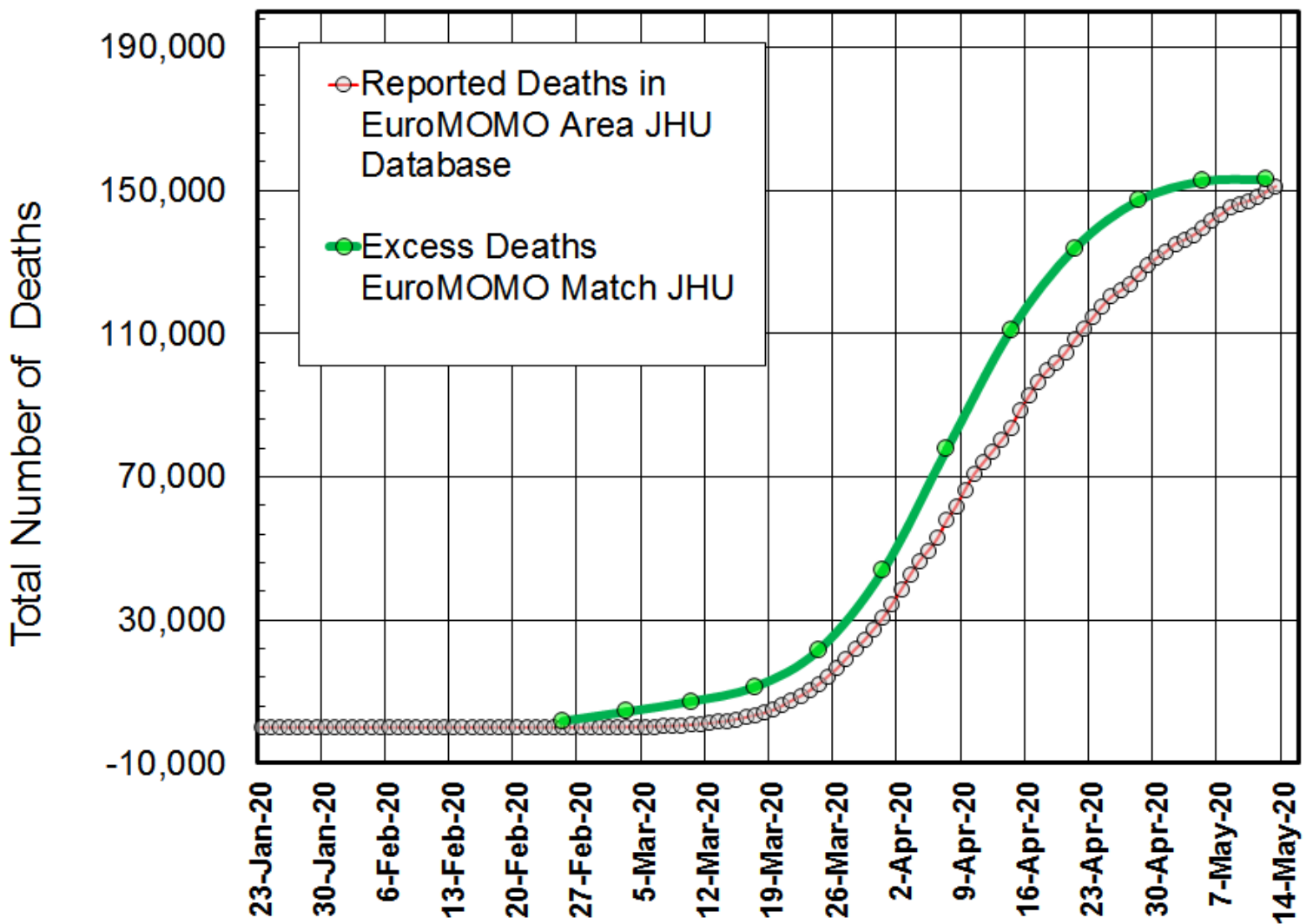
Year	Comment	Total Deaths	Age Ranges 21			
			<65	65-74	75-84	85+
2020	Week 08 to 19 COVID19	153,006	7.9%	12.8%	31.5%	47.9%
2017/18	Wk. 49 to Wk. 16 Influenza	111,226	8.1%	12.3%	24.7%	54.9%

Year	Comment	Total Deaths	Age Ranges v2			
			Below 65	Below 75	Below 85	Above 85
2020	Week 08 to 19 COVID19	153,006	7.9%	20.7%	52.1%	47.9%
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In the EuroMOMO region, COVID19 in 2020 has led to 19,808 more Excess Deaths than Influenza caused in the 2017/18 season (15%). This for a population of 250,000,000.

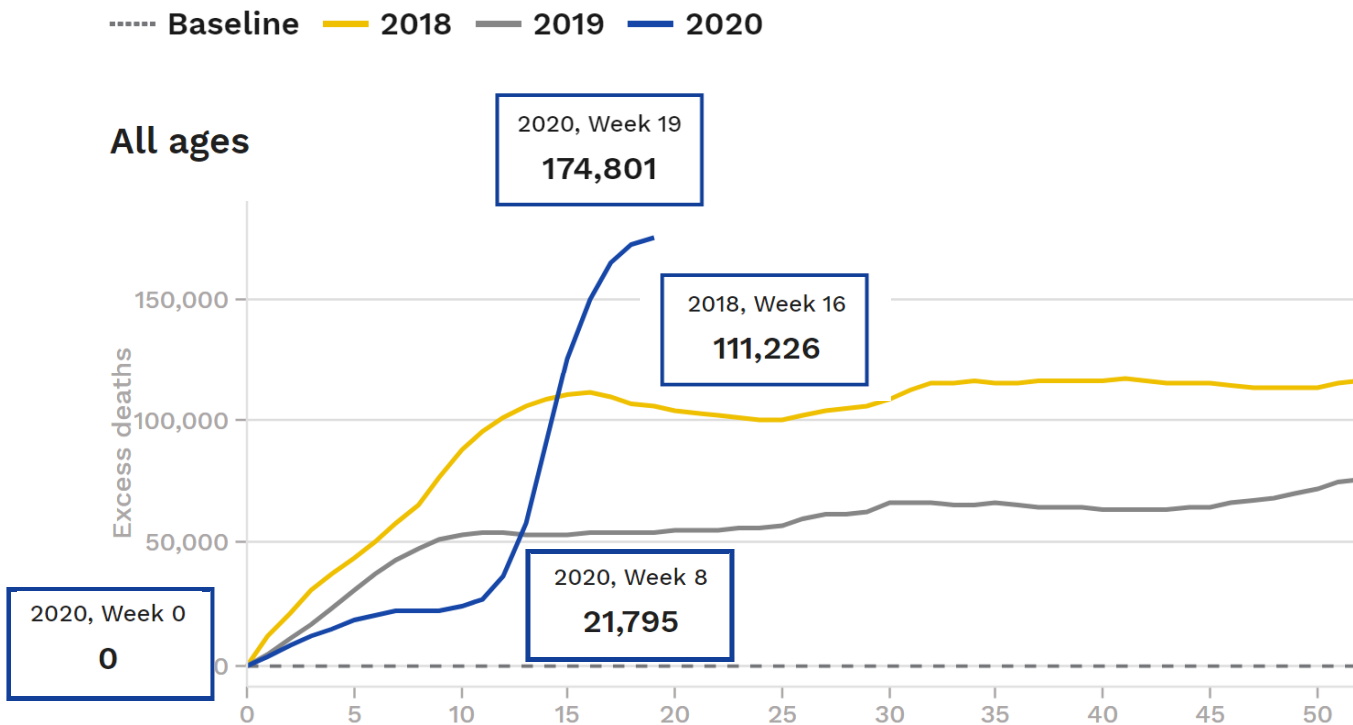
TWEET 2

EuroMOMO <https://www.euromomo.eu/graphs-and-maps>
Excess Deaths from 2020 Week 8 now match reported
COVID Deaths @JHUSystems perfectly (better than 2%). In
earlier weeks the reported deaths were lower. Not sure why?
It allows me to do this in depth analysis & comparison with
EuroMOMO influenza.



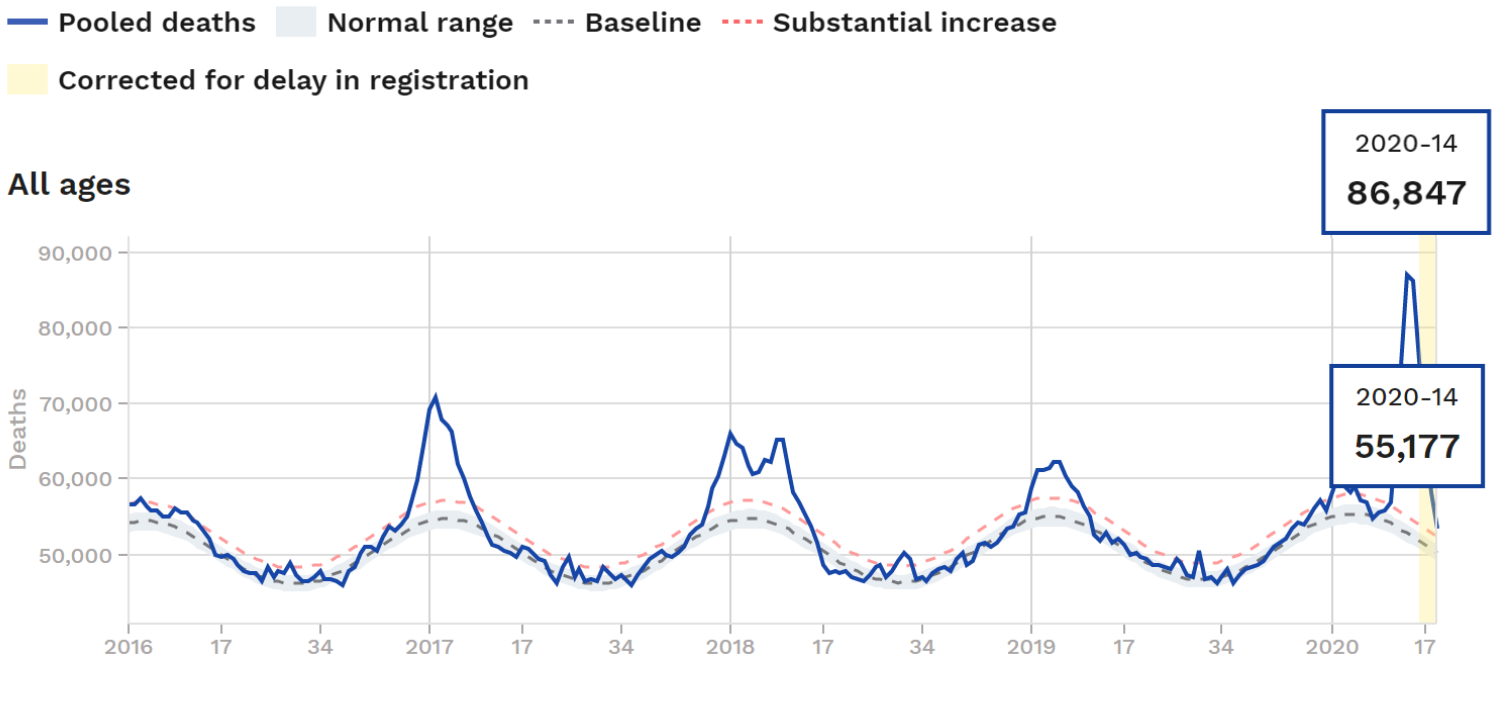
TWEET 3

Analysis of Europe's Excess Deaths is hard: EuroMOMO provides beautiful plots; data requires hand-recorded mouse-overs. COVID19 2020, Weeks 08-19 & flu 2018, Weeks 01-16 is relatively easy for all age ranges (totals 153,006 & 111,226). Getting Dec. 2017 flu peak is very tricky.

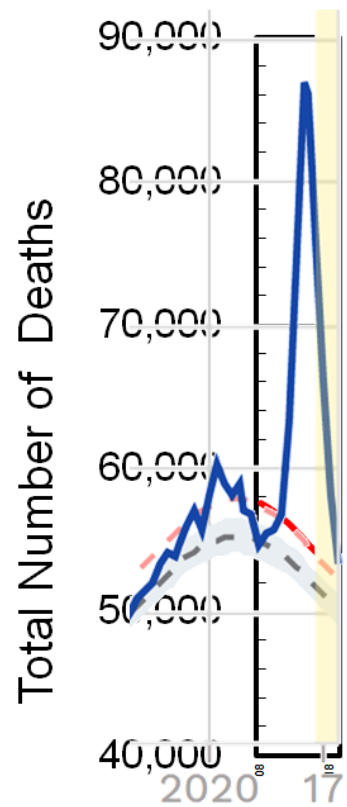
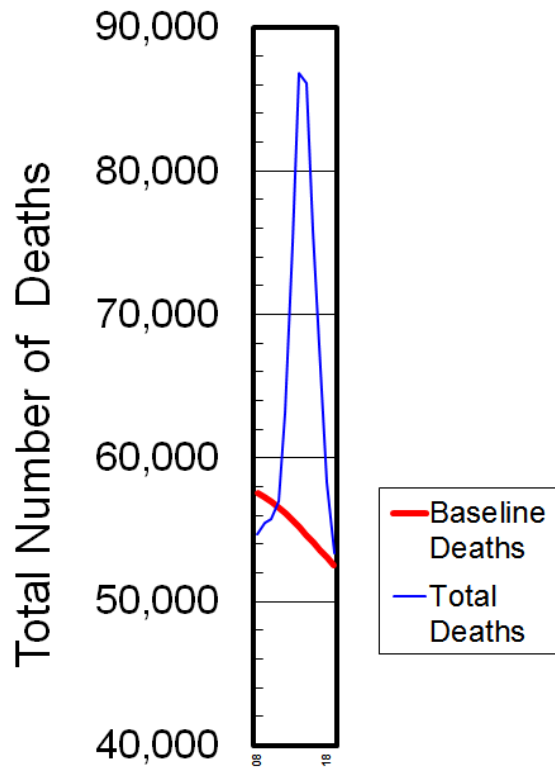
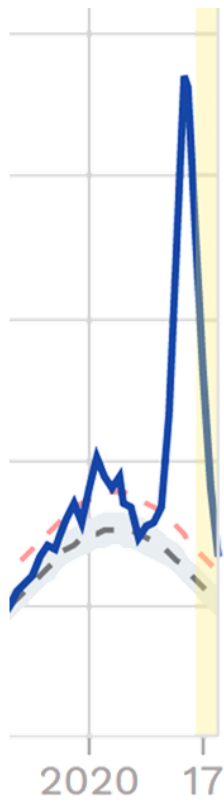


TWEET 4

Should be easy as mouse over gives two values a week:
Actual death count & Baseline value. Tests on COVID19
peak gave total of 127,062 deaths & not 153,006. Plotting
table & superimposing real plot showed why. Wrong
Baseline values are actually 'Substantial increase' values!!



Week	Total All Ages	Base Line	Excess	Running Total
08	54,697	57,555	-2,858	-2,858
09	55,499	57,287	-1,788	-4,646
10	55,752	56,957	-1,205	-5,851
11	56,974	56,573	401	-5,450
12	63,209	56,143	7,534	2,084
13	75,026	55,675	19,849	21,933
14	86,847	55,177	32,188	54,121
15	86,075	54,659	31,947	86,068
16	75,885	54,128	22,291	108,359
17	66,241	53,594	12,647	121,006
18	58,287	53,064	5,223	126,229
19	53,379	52,546	833	127,062



TWEET 5

Requiring two COVID19 death counts to match means reducing Baseline value by $23,774/12=1,981$. Mouse-over 2017 weeks 46 to 52 gave table below. Negative excess death meant 2017 flu began Week 49 not 46. We tried to get Age Range data for 2017 but table just use 2018 flu data.

Year	Week	Total									
		ALL		65-74		75-84		85+		<65	
		Total	Excess	Total	Excess	Total	Excess	Total	Excess	Total	Excess
2017	46	52,747	-1,340	8,521	-344	14,280	-762	22,381	-819	7,565	585
	47	53,567	-1,036	8,606	-309	14,804	-374	22,723	-808	7,434	455
	48	53,918	-1,177	8,618	-344	14,993	-315	22,828	-1,023	7,479	505
	49	56,398	842	9,006	13	15,429	-1	24,154	0	7,809	830
	50	58,726	2,748	9,184	138	16,169	631	25,363	928	8,010	1,051
	51	60,311	3,960	9,382	301	16,609	975	26,327	1,638	7,993	1,046
	52	63,167	6,497	9,778	668	17,163	1,450	27,750	2,839	8,476	1,540
		10,494		123		1,604		2,755		6,012	
		14,047		1,120		3,055		5,405		4,467	

Year	Week	Base Line									
		ALL		65-74		65-74		85+		<65	
		Total	T(t)-T(t-1)	Total	T(t)-T(t-1)	Total	T(t)-T(t-1)	Total	T(t)-T(t-1)	Total	T(t)-T(t-1)
2017	46	54,087		8,865		15,042		23,200		6,980	
	47	54,603	516	8,915	50	15,178	136	23,531	331	6,979	-1
	48	55,095	492	8,962	47	15,308	130	23,851	320	6,974	-5
	49	55,556	461	8,993	31	15,430	122	24,154	303	6,979	5
	50	55,978	422	9,046	53	15,538	108	24,435	281	6,959	-20
	51	56,351	373	9,081	35	15,634	96	24,689	254	6,947	-12
	52	56,670	319	9,110	29	15,713	79	24,911	222	6,936	-11

Year	Comment	All	65-74	75-84	85+	<65
2018	Week Excess 16	111,226	13,710	27,439	61,013	9,064
Flu	Week Excess 01	0	0	0	0	0
	Week 16 - Week 01	111,226	13,710	27,439	61,013	9,064
2017	Week 49 to Week 52	14,047	1,120	3,055	5,405	4,467
Flu	4 days Baseline Correction	7,925	1,254	1,254	2,175	1,088
	Week 49 to Week 52	21,972	2,374	4,309	7,580	5,555
	Total 2017 Week 49 to 2018 Week	133,198	16,084	31,748	68,593	14,619
	Percent 2017 Week 49 to 52	100.0%	10.8%	19.6%	34.5%	25.3%
	Percent 2018 to Week 01 to 16	100.0%	12.3%	24.7%	54.9%	8.1%

TWEET 6

Table wrong: excess and age range mortality for 2018 part of 2017/18 European influenza epidemic. COVID19 is similar to flu only in total and age range excess mortality. Flu is a different virus, has a safe vaccine & is much less of a threat to our heroic medical professionals.

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