

THE LANCET

Healthy Longevity

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Burton JK, Bayne G, Evans C, et al. Evolution and effects of COVID-19 outbreaks in care homes: a population analysis in 189 care homes in one geographical region of the UK. *Lancet Healthy Longev* 2020; **1**: e21–31.

Understanding the evolution of COVID-19 outbreaks in care homes: population analysis in a moderate incidence UK region

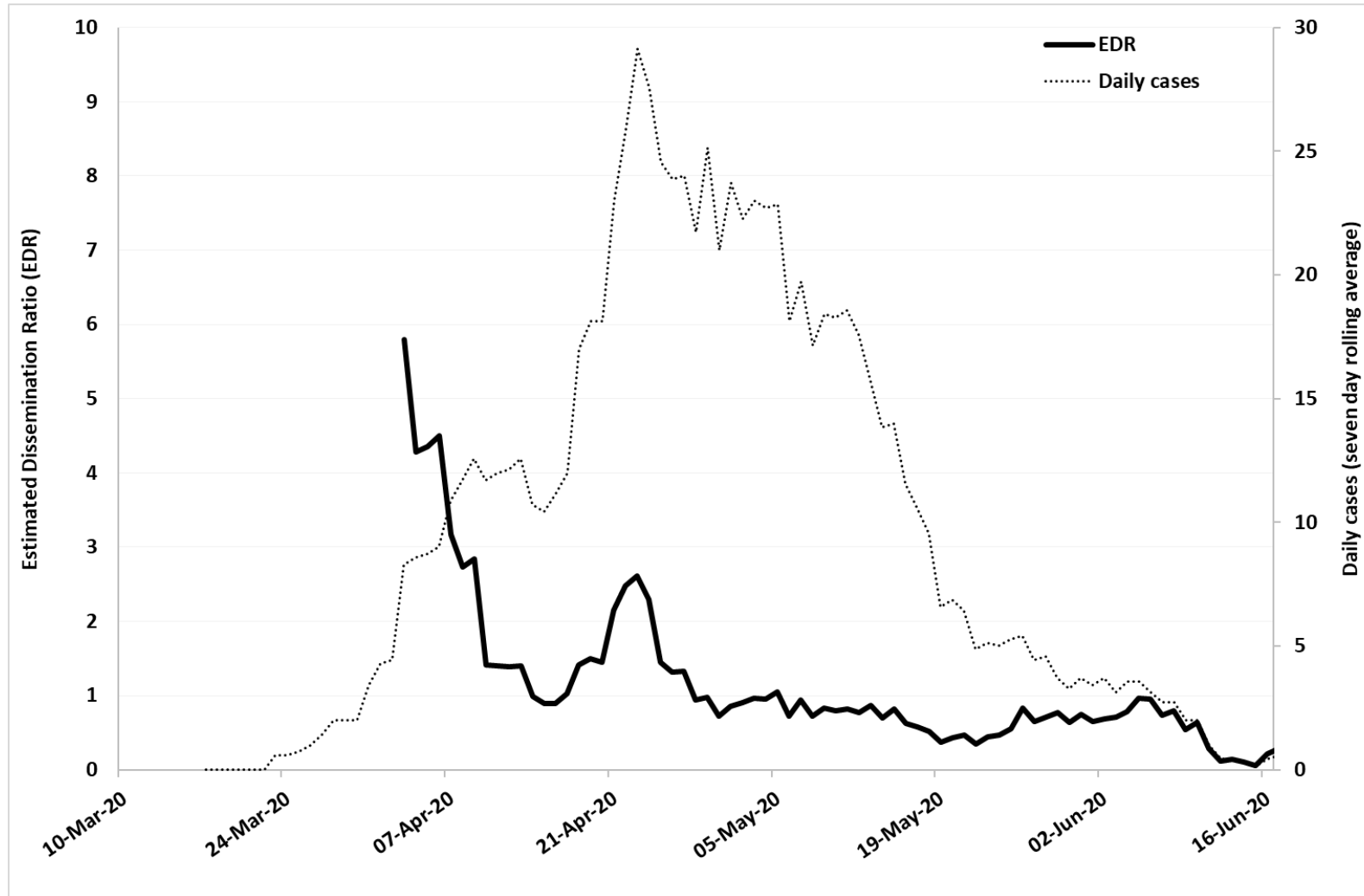
Appendix: supplementary figures and table

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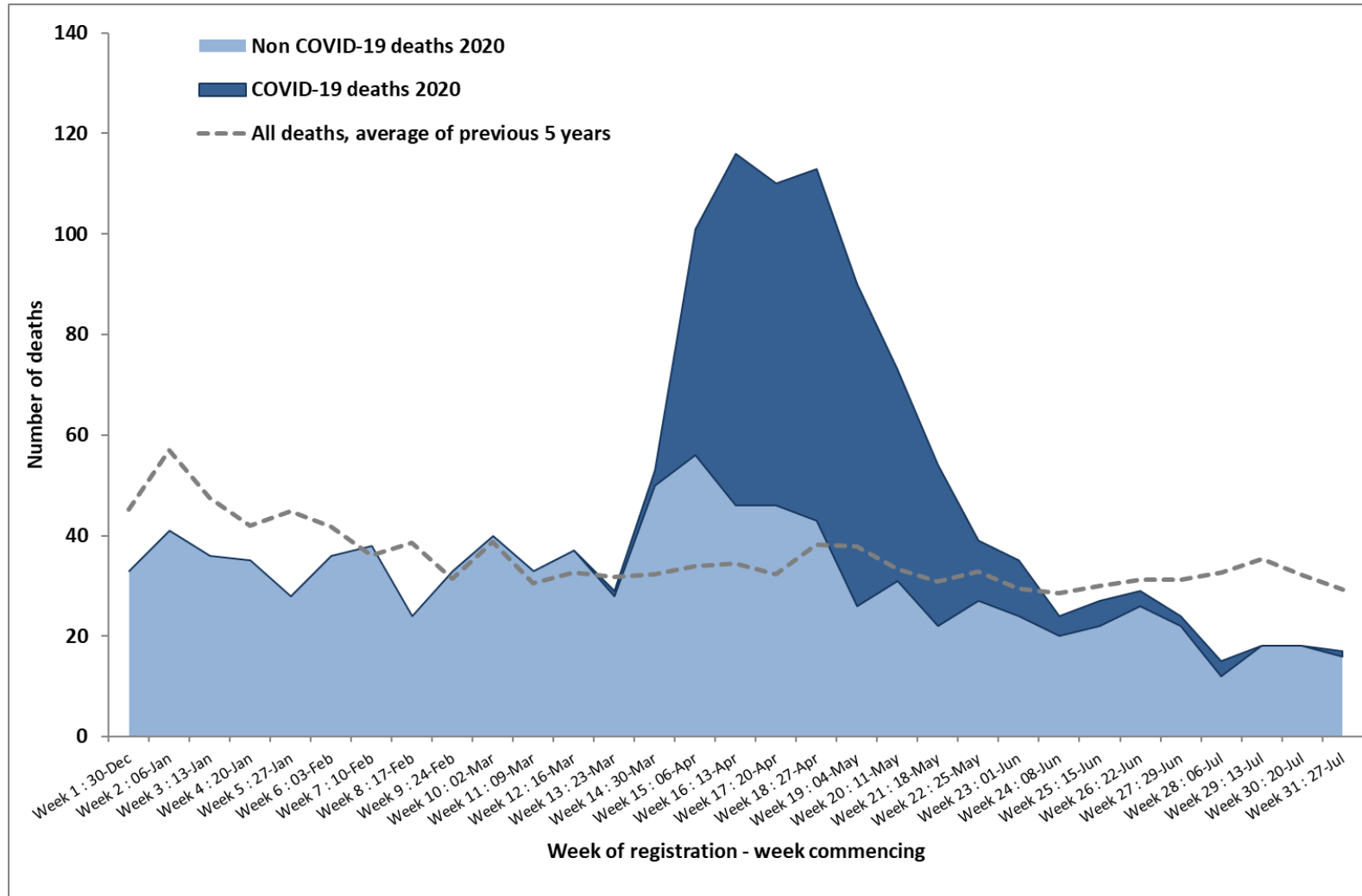
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Supplementary figure 1: Estimated Dissemination Ratio (EDR)*



* Only shown to mid-June (EDR is unstable when incidence is very low)

Supplementary figure 2: Deaths of care-home residents in care-homes (all care-homes combined)



Supplementary table 1: Logistic regression analysis of characteristics of care homes associated with the presence of an outbreak

Care-home characteristics (no. of care-homes, no. of beds)	No. (%) with an outbreak N=189 care-homes	Univariate OR (95% CI)	Adjusted OR (95% CI)
No. of beds (per 20 bed increase)	-	5.04 (3.28 to 7.73)	3.59 (2.18 to 5.90)
Care home type			
Other care home services (5227 beds)	66/109 (61%)	Reference	Reference
Older people (616 beds)	3/80 (4%)	0.02 (0.01 to 0.09)	0.21 (0.05 to 0.87)
Regulatory risk assessment score [#]			
Low (3236 beds)	40/131 (31%)	Reference	NS
Medium (1201 beds)	12/31 (39%)	1.44 (0.64 to 3.24)	
High (1346 beds)	16/26 (62%)	3.64 (1.52 to 8.72)	
Ownership			
Private (3954 beds)	43/98 (44%)	Reference	NS
Voluntary or not for profit (1003 beds)	16/37 (43%)	0.98 (0.45 to 2.09)	
Local authority (886 beds)	10/54 (19%)	0.29 (0.13 to 0.64)	
No. of other types of outbreak in last 6 years			
None (1177 beds)	9/94 (10%)	Reference	NS
1-4 (2636 beds)	35/64 (55%)	11.4 (4.90 to 26.5)	
5 or more (2030 beds)	25/31 (81%)	39.4 (12.8 to 121.2)	
Locality			
Locality 1 (3547 beds)	42/103 (41%)	Reference	NS
Locality 2 (708 beds)	9/23 (39%)	0.93 (0.37 to 2.36)	
Locality 3 (594 beds)	7/18 (39%)	0.92 (0.33 to 2.58)	
Locality 4 (994 beds)	11/45 (24%)	0.47 (0.21 to 1.03)	

* NS not significant