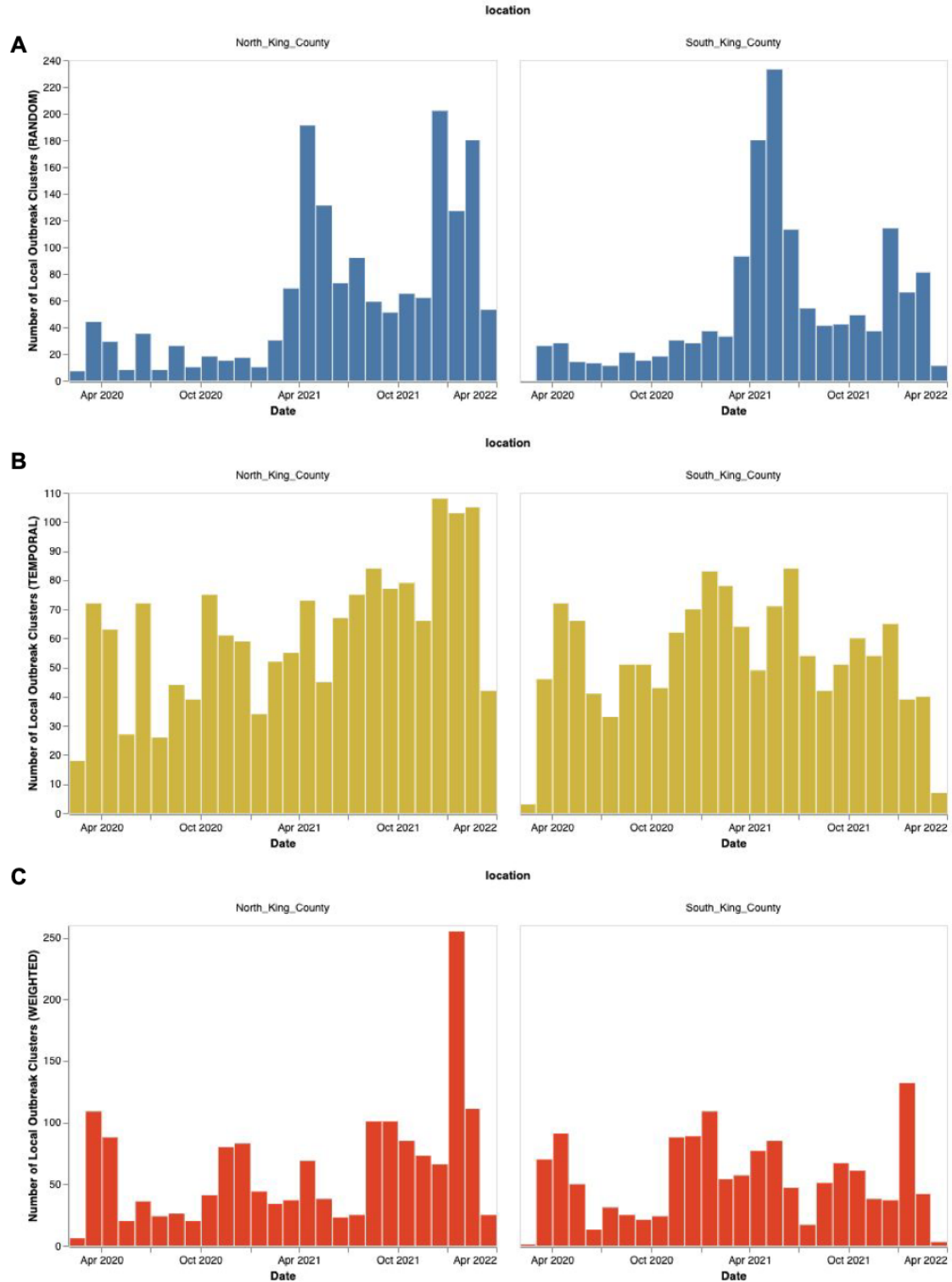


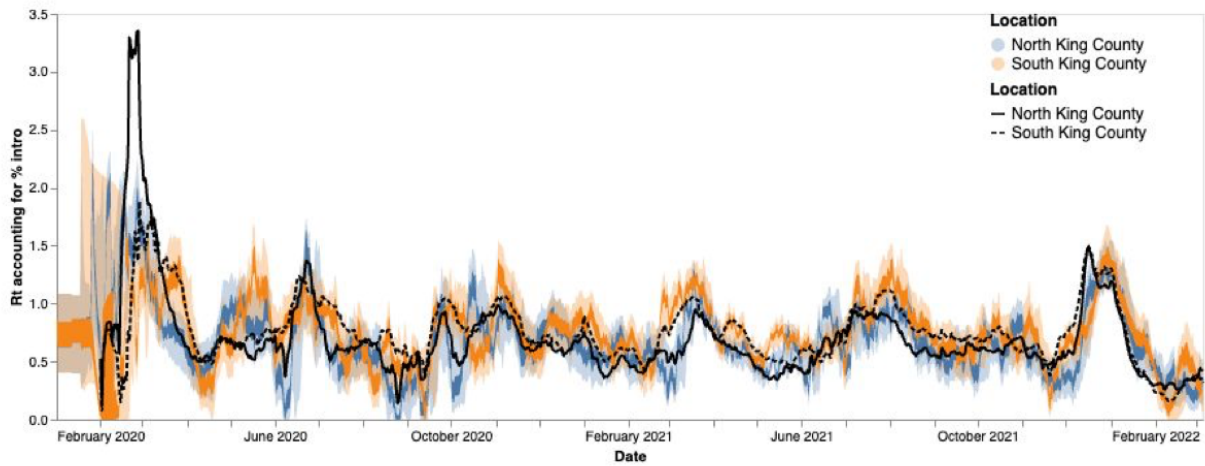
Supplementary Materials: a list of the supplementary materials, followed by the actual text of the Supplementary Materials.

1. **Supp.Fig 1:** Number of local outbreak clusters over time by subsampling scheme
2. **Supp.Fig 2:** R_t estimation using phylodynamic estimates
3. **Supp.Fig 3:** Phylodynamic estimates of SARS-CoV-2 transmission in King County with equal temporal subsampling.
4. **Supp.Fig 4:** Phylodynamic estimates of SARS-CoV-2 transmission in King County with subsampling weighted by hospitalizations.
5. **Supp. Table 1:** Geocoding for different geographical scales in King County, WA
6. **Supp.Table 2:** Sequence Accession IDs and acknowledgements table (**attached .CSV**)

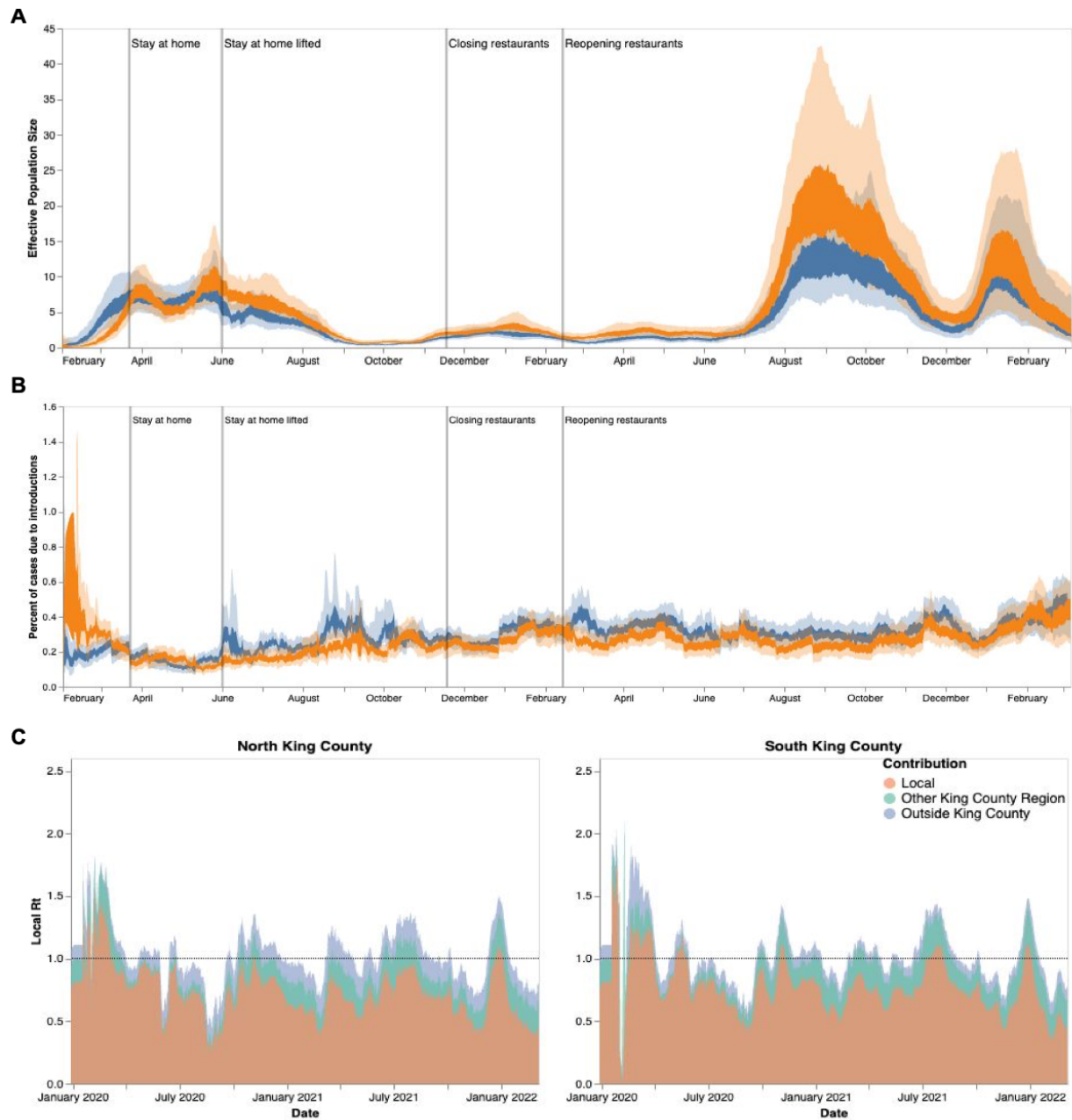
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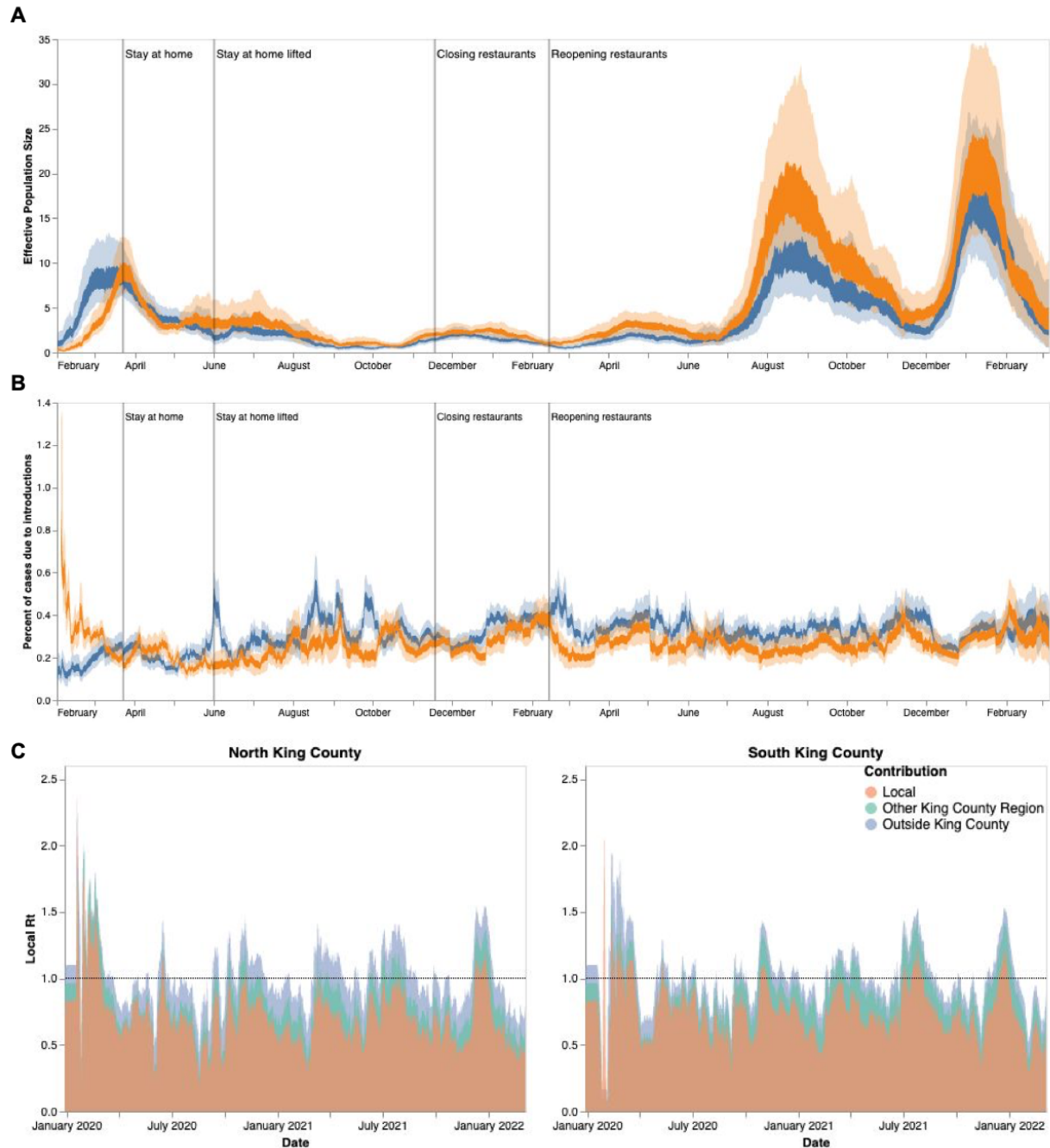
Supplementary Figure 1: Number of local outbreak clusters over time by subsampling scheme: random (A, Blue), equal temporal weighting by year-week (B, Gold), and subsampling weighted by daily hospitalizations calculated using a 14 day moving average (C, Red).



Supplementary Figure 2: R_t estimation using phylodynamic estimates (Blue North King County; Orange = South King County) and case data (Black lines, solid = North King County, dashed = South King County) The inner area denotes the 50% HPD interval and the outer area denotes the 95% HPD interval.



Supplementary Figure 3: Phylodynamic estimates of SARS-CoV-2 transmission in King County with equal temporal subsampling. Results presented above were inferred using 3000 sequences subsampled using equal temporal weighting by year-week. Analyses presented, as defined previously, are: effective population size over time (A), percent of cases due to introductions (B), and local R_t estimations divided by region and source of contribution (C). Orange denotes South King County; blue denotes North King County.



Supplementary Figure 4: Phylodynamic estimates of SARS-CoV-2 transmission in King County with subsampling weighted by hospitalizations. Results presented above were inferred using 3000 sequences subsampled using weighting by hospitalizations over time using a 14 day rolling average. Analyses presented, as defined previously, are: effective population size over time (A), percent of cases due to introductions (B), and local R_t estimations divided by region and source of contribution (C). Orange denotes South King County; blue denotes North King County.

Supplementary Table 1: Geocoding for different geographical scales in King County, WA

Region	PUMA	ZIPCODE
North King County	11601	98103
		98107
		98117
	11602	98105
		98115
		98125
		98195
	11603	98101
		98102
		98104
		98109
		98119
		98121
		98154
		98164
	11604	98199
		98112
		98118
		98122
	11605	98144
		98106
		98108
		98116
98126		
98134		

	98136
11606	98133
	98155
	98177
	98011
	98028
11607	98033
	98034
	98052
11608	98004
	98005
	98006
	98007
	98008
	98039
11609	98040
	98029
	98076
	98075
11616	98045
	98065
	98014
	98077
	98053
	98024
	98072
	98019

South King County	11610	98055
		98057
		98056
		98178
	11611	98146
		98148
		98166
		98168
		98188
	11612	98003
		98023
		98198
		98070
	11613	98030
		98031
		98032
		98092
	11614	98001
		98002
		98047
	11615	98010
98022		
98038		
98051		
98027		
98042		
98059		

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