

## Tool Resources

DOH 420-409 May 2022

Tool	Details/Trainings
UShER: <a href="https://genome.ucsc.edu/cgi-bin/hgPhyloPlace">https://genome.ucsc.edu/cgi-bin/hgPhyloPlace</a>	Easy to use web portal for fast phylogenetic tree calculation  CDC: This module provides an introduction to UShER <a href="https://www.youtube.com/watch?v=humQ1NyZOUM&amp;t=14s">https://www.youtube.com/watch?v=humQ1NyZOUM&amp;t=14s</a>
Nextstrain: <a href="https://nextstrain.org/">https://nextstrain.org/</a>	Nextstrain's documentation covers all parts of Nextstrain, from viewing the website to the production of analysis. In addition, the discussion forum can be utilized to ask questions and get assistance and answers from the Nextstrain team and other Nextstrain users.  Resources on how to use tool <a href="https://docs.nextstrain.org/en/latest/index.html">https://docs.nextstrain.org/en/latest/index.html</a>
Microbetrace: <a href="https://microbetrace.cdc.gov/MicrobeTrace/">https://microbetrace.cdc.gov/MicrobeTrace/</a>	CDC Getting Started with MicrobeTrace: This module introduces MicrobeTrace for transmission network analysis using SARS-CoV-2 sequencing and contact tracing data. <a href="https://www.cdc.gov/amd/training/covid-toolkit/module3-2.html">https://www.cdc.gov/amd/training/covid-toolkit/module3-2.html</a>  NCHHSTP MicrobeTrace Webinar Full: <a href="https://www.youtube.com/watch?v=5E-Kb7yvHU">https://www.youtube.com/watch?v=5E-Kb7yvHU</a>  MicrobeTrace - Design and development: <a href="https://www.youtube.com/watch?v=YD5wdl51vzI">https://www.youtube.com/watch?v=YD5wdl51vzI</a>  Using MicrobeTrace - Loading and aligning sequence data: <a href="https://www.youtube.com/watch?v=puys17g_hPc">https://www.youtube.com/watch?v=puys17g_hPc</a>  Using MicrobeTrace - Adjusting genetic distance threshold settings: <a href="https://www.youtube.com/watch?v=gvg-GfZcM4Y">https://www.youtube.com/watch?v=gvg-GfZcM4Y</a>  Using MicrobeTrace - Loading files: <a href="https://www.youtube.com/watch?v=QWFdnK4IVoM">https://www.youtube.com/watch?v=QWFdnK4IVoM</a>

<p>Microreact: <a href="https://microreact.org/">https://microreact.org/</a></p>	<p>Microreact: visualizing and sharing data for genomic epidemiology and phylogeography: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5320705/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5320705/</a>          To find out more about how Microreact works, watch this short video by the creators: <a href="https://www.microbiologyresearch.org/journal/mgen/info/microreact">https://www.microbiologyresearch.org/journal/mgen/info/microreact</a></p>
<p>Cluster Tracker  <a href="https://clustertracker.gi.ucsc.edu/">https://clustertracker.gi.ucsc.edu/</a></p>	
<p>Our World in Data - COVID-19 Data Explorer   <a href="https://ourworldindata.org/explorers/coronavirus-data-explorer?zoomToSelection=true&amp;time=2020-03-01..latest&amp;facet=none&amp;pickerSort=asc&amp;pickerMetric=location&amp;Metric=Confirmed+cases&amp;Interval=7-day+rolling+average&amp;Relative+to+Population=true&amp;Color+by+test+positivity=false&amp;country=USA~GBR~CAN~DEU~ITA~IND">https://ourworldindata.org/explorers/coronavirus-data-explorer?zoomToSelection=true&amp;time=2020-03-01..latest&amp;facet=none&amp;pickerSort=asc&amp;pickerMetric=location&amp;Metric=Confirmed+cases&amp;Interval=7-day+rolling+average&amp;Relative+to+Population=true&amp;Color+by+test+positivity=false&amp;country=USA~GBR~CAN~DEU~ITA~IND</a></p>	

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