

WEAVE Technology Overview



MASSACHUSETTS
**Department of
Early Education and Care**



WEAVE Overview

- In 2010 EEC began working with the Open Indicators Consortium and Professor Georges Grinstein from UMass Lowell
- Goals of this project include:
 - To enable data visualization of available data
 - Support greater organizational transparency and accountability
 - Increase access, distribution and use of public data
 - To increase data understanding and knowledge
 - To enable planning and accountability
 - To facilitate data dissemination and distribution



WEAVE Overview

- Three key topics were addressed as part of the WEAVE project:
 - Programs by location
 - Demonstrates how many early education programs are available within the Commonwealth of Massachusetts
 - Children statistics by location
 - Shows the distribution of MA children
 - Available Resources
 - Visualization of existing museums, parks and libraries will help connect families with recreational and educational options



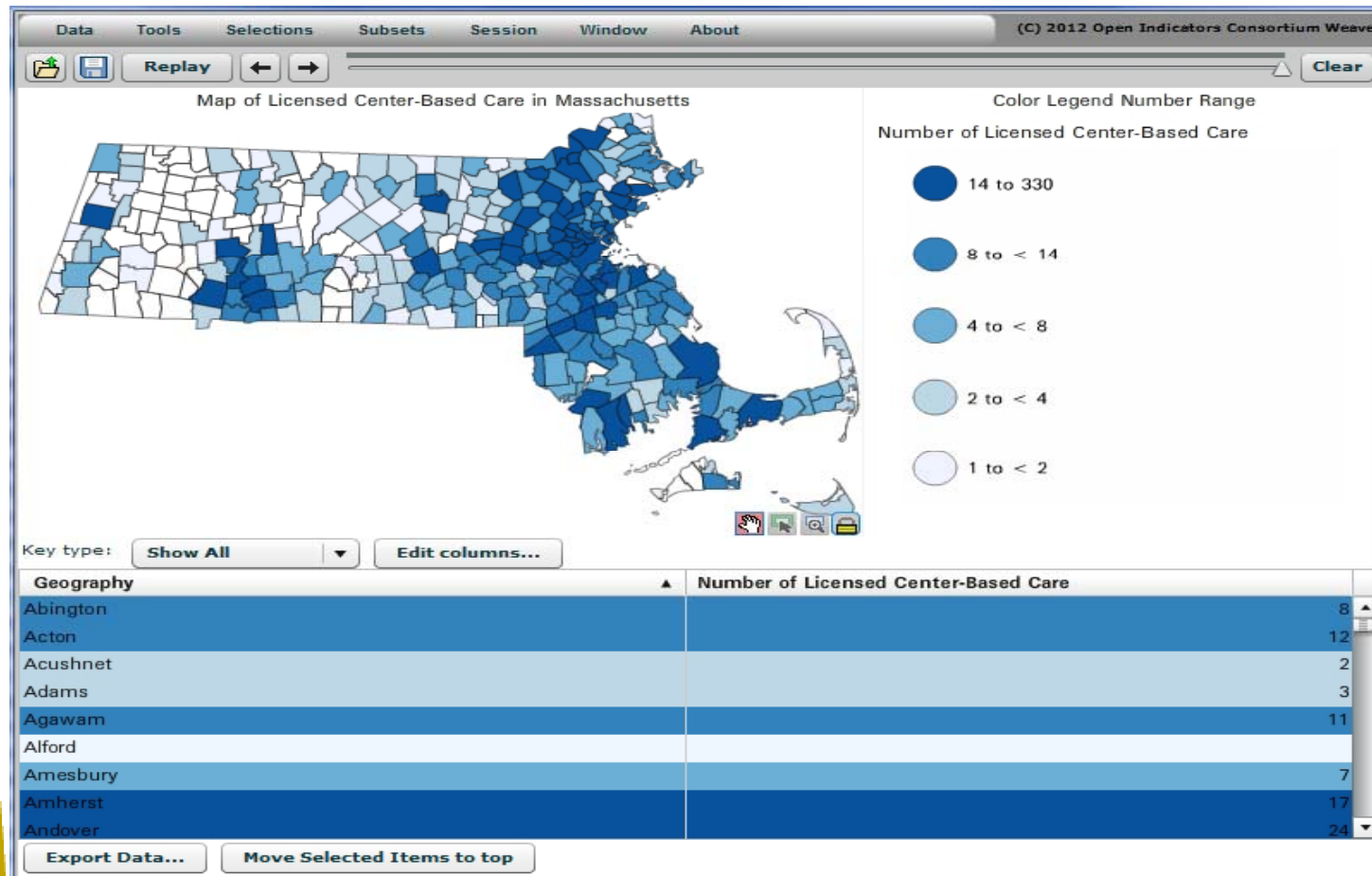
WEAVE Overview

- EEC launched a data visualization website for public use some time around 2012, this website has static images which represents Early Childhood programming, children statistics, and available resources across Massachusetts. These images were developed using the WEAVE software.
- EEC is now currently working with UMass Lowell students to update, currently developed visualizations that appear as static images on our website. The updated visualizations will now have interactive capabilities where users can hover over charts, maps, gauges, etc. to view data information associated with one of the four key data stories. For internal use. This interactive website will be maintained internally.



Programs by location

Licensed Center-Based Care

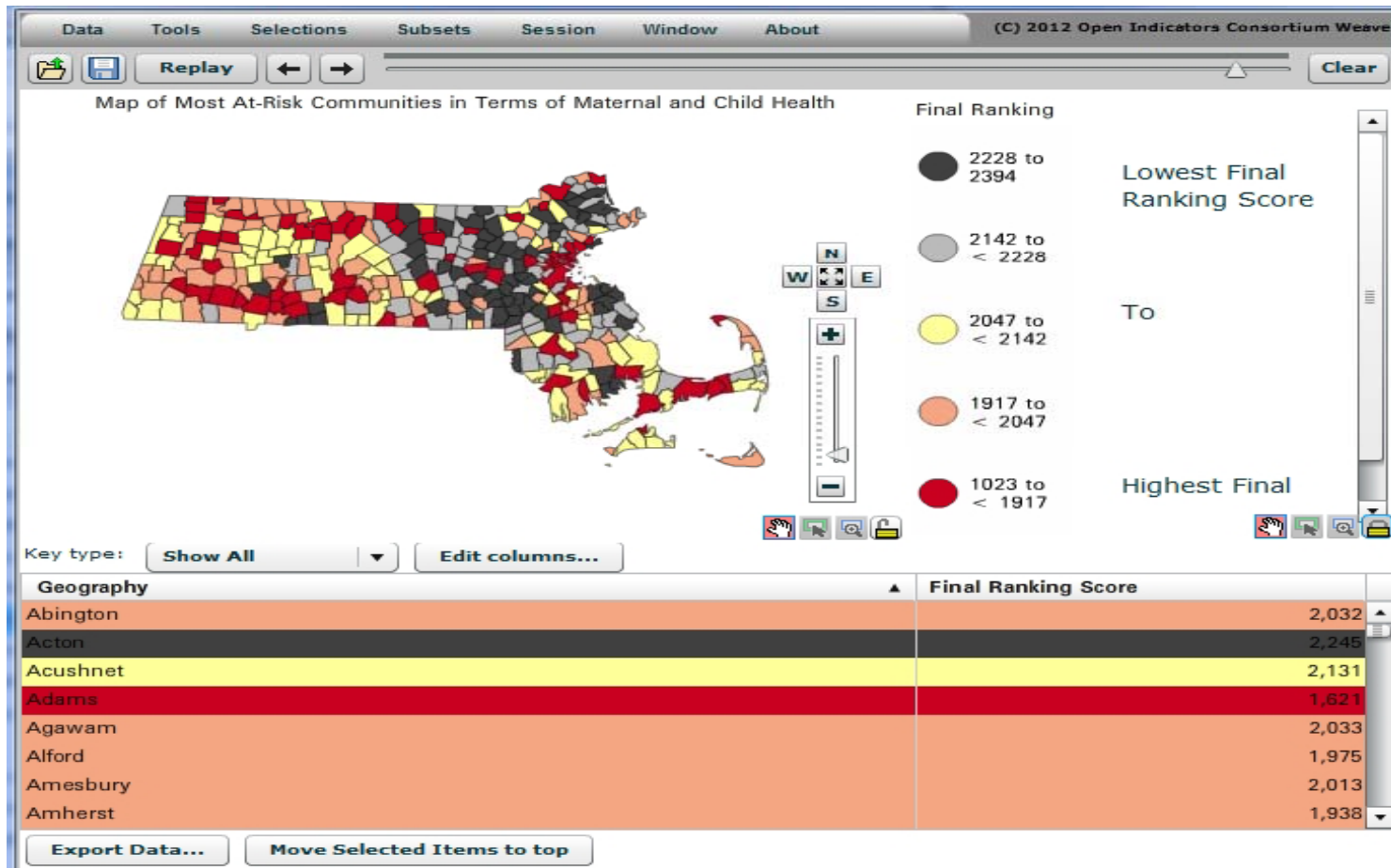


Demonstrates how many early education programs are available within the Commonwealth of Massachusetts



Children statistics by location

Most At-Risk Communities in terms of maternal and child health

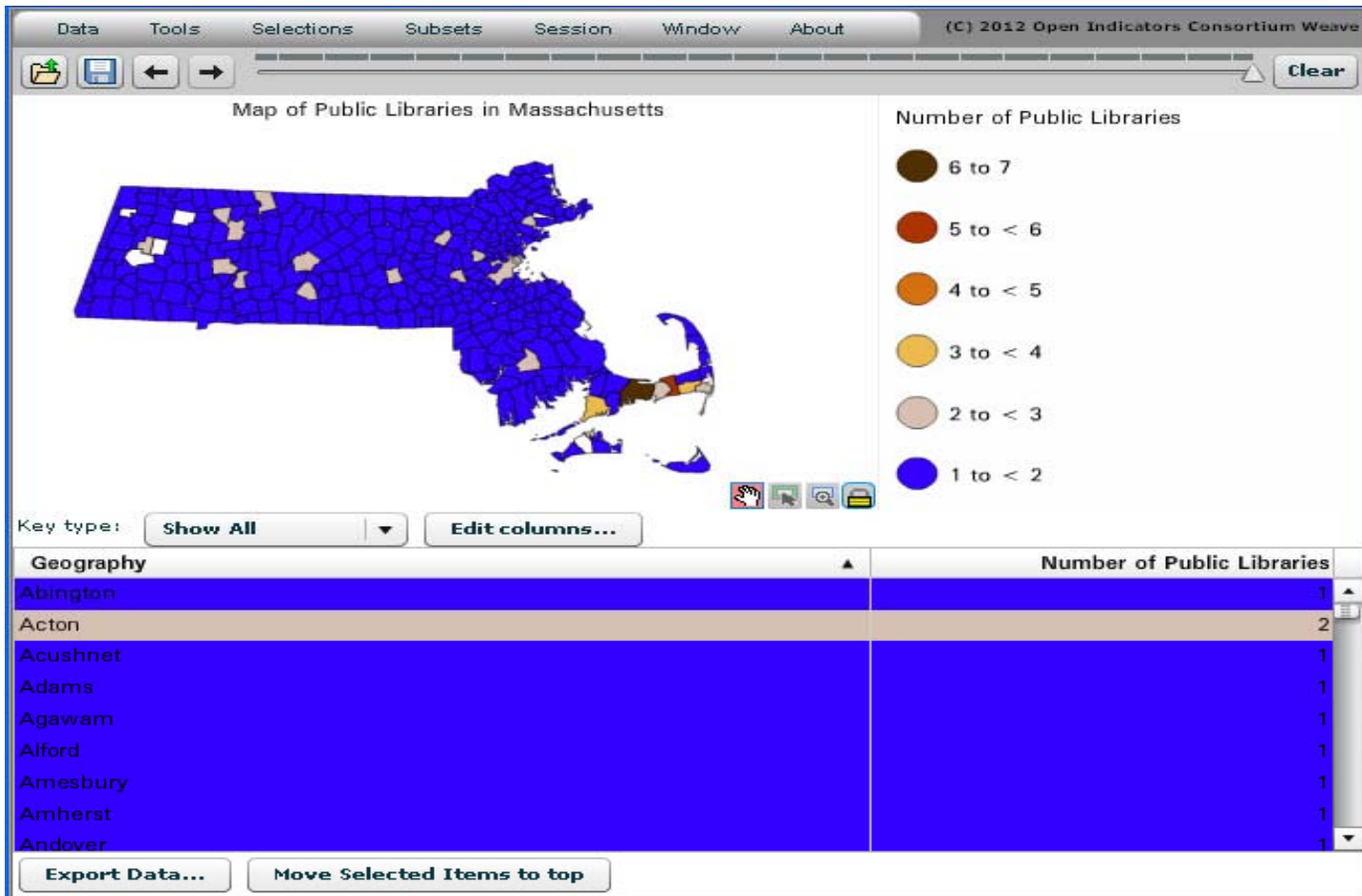


WEAVE allows the use of color coding to depict high concentrations of at risk communities



Available Resources

Libraries in MA



Multiple Data Display Capabilities

Home Visiting 17 at risk communities



WEAVE can show bar graphs, scatter graphs, and data lists on the same screen for comparison

