# Dashboard Accessibility: Focus Order

Jenn Schilling

Senior Data Analyst | University of Arizona

AAUDE Annual Meeting | April 2021



## COVID-19 Dashboard

Data download available at the bottom of the dashboard.

Results updated nightly (or more frequently as needed) (last updated 1/22/2021 8:02:13 PM MST)

Use the filters below to view testing results by different categories.

 Test Type
 Test Source
 Affiliation

 All
 All
 All

#### Date Filter

Use this slider to filter testing data over time; it will not change the Most Recent Day, Past 10 Days, or Number of Tests by Week data.

Date, number of positives, number of total tests, and percent positive for the most recent day.

Most Recent Day	36	2,143	1.7%
1/22/21	Positive	Number of Tests	% Positive

Date, number of positives, total number of tests, and percent positive for the past ten days.

Past 10 Days	237	12,316	1.9%
1/13/21 - 1/22/21	Positive	Number of Tests	% Positive

Date, number of positives, total number of tests, and percent positive for the total testing window.

<b>Total Testing Window</b>	3,791	134,561	2.8%
8/4/20 - 1/22/21	Positive	Number of Tests	% Positive

### Number of Total Tests and Percent Positive by Day





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Bars show the number of tests returned each day. Line shows the percent of the returned tests that were positive.





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- 1. Save workbook as a .twb
- 2. Open file in a text editor to edit the XML
- 3. Find the **zone** elements
- 4. Set the id attribute

```
$7.40mcz
 </zone>
 <zone h='8179' id='200' name='Table Weekly Test Data' w='98000' x='1000' y='42714'>
    <layout-cache cell-count-h='4' non-cell-size-h='75' type-h='cell' type-w='fixed' />
    <zone-style>
     <format attr='border-color' value='#000000' />
     <format attr='border-style' value='none' />
     <format attr='border-width' value='0' />
     <format attr='margin' value='4' />
    </zone-style>
 </zone>
</zone>
<zone .fcp.SetMembershipControl.false...type='layout-flow' .fcp.SetMembershipControl.true...type-v2='layout-flow' fixed-size='247' friendly-name='Line Graphs' h='8821' id='600'</p>
 <zone h='8821' id='210' name='Graph 7 Day Average Positive Tests' w='48375' x='1000' y='50893'>
    <layout-cache minheight='203' minwidth='130' type-h='scalable' type-w='scalable' />
    <zone-style>
     <format attr='border-color' value='#000000' />
     <format attr='border-style' value='none' />
     <format attr='border-width' value='0' />
     <format attr='margin' value='4' />
    </zone-style>
 </zone>
 <zone h='8821' id='220' name='Graph Daily Percent Positive Tests' w='49625' x='49375' y='50893'>
    <layout-cache minheight='203' minwidth='140' type-h='scalable' type-w='scalable' />
    <zone-style>
     <format attr='border-color' value='#000000' />
     <format attr='border-style' value='none' />
     <format attr='border-width' value='0' />
     <format attr='margin' value='4' />
    </zone-style>
 </zone>
<zone fixed-size='72' h='3285' id='230' is-fixed='true' name='Isolation Bed Availability' show-caption='true' w='98000' x='1000' v='59714'>
 <lavout-cache type-h='cell' type-w='fixed' />
 <zone-style>
   <format attr='border-color' value='#000000' />
    <format attr='border-style' value='none' />
    <format attr='border-width' value='0' />
    <format attr='margin' value='4' />
    <format attr='margin-top' value='10' />
    <format attr='margin-bottom' value='10' />
 </zone-style>
</zone>
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## Accessible Data Visualizations

- Include descriptive titles, subtitles, and captions
- Use tools that have good screen reader compatibility
- Use alt text to describe images
- Encode data with sound and visuals
- Follow W3C Accessibility Guidelines
  - 2.4.3: Focus Order: "If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability."

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