Car Crashes

Our two questions:

1. How can you navigate any of our vis's to find out the number of car crashes on a specific day?
2. How would you find which areas of the US have the highest number of crashes?

Michael:
1. I would look at visualization 2 and zoom in on whatever specific day we wanted to find the number of car crashes. Then using the hover, I believe I could find the number of car crashes on that day.
    a. Regarding the hover vs. click, what would the exact difference be? Would clicking simply give more detailed information relative to the hover? (severity 1)
    b. How would the zooming here work? Perhaps having it as a year → month → weekly zoom and having labels would make this more intuitive for users. (severity 3)
2. Using the visualization 1 map, I believe I could simply look at the choropleth and estimate at a glance which areas have the highest number of crashes.
    a. What is the choropleth map when I first view it without clicking on anything showing me? I'm assuming it would be number of crashes but it seems like it could be fatalities, influence, or speed. (severity 2)
    b. Would hovering over a state allow me to see the exact number of crashes? (severity 1)
    c. How would the different regions be partitioned? If I click New Jersey, would I get NJ info or all of the Tri-state area? (severity 2)
3. For visualization 4, it seems like the state filter works great for 3 or 4 states but what if there were all 50 states? There would be a ton of stacked data which might be confusing to users who wanted to try and differentiate state by state data. (severity 2)

George:
1. Selecting state / region in map interactions -- how exactly does the user select a state / region? By brushing? By clicking? How does the viz distinguish between clicking a state and clicking a region? (severity 1)
2. Viz 2 Zooming -- Will the zoom in button be separate from the calendar? How does clicking "zoom in" tell the visualization which week to zoom into? If instead zooming is done by interacting with the calendar, how does the viz know whether the user wants a zoomed week or details on a day? (severity 1)
    a. NOTE: I don't see this being an issue with zoom out, since you're just panning back to the whole calendar

3. Viz 3 "date" in tooltip -- What exactly does this "date" refer to? Is this viz supposed to be an average over all days, or does viz 3 interact with viz 2 to show the selected (clicked) day? If the latter, how does the user visualize overall trends by time? (severity 3)
4. Viz 4 BAC scale -- Pretty sure BAC should be measured in hundredths of a percent (legal limit is 0.08). I'm worried about all those people with 1.2 BAC. (severity 0, but should (be an easy) fix)
5. Viz 4 state filter -- If I don't want to filter, will data from all 50 states be stacked? Will you still distinguish by color then? 50 colors might be a little jarring to the user. Also, is there any particular way the states are ordered in the bar? The coloring seems random. Similarly, will all 50 states be shown in the filter box? (severity 1)
6. Policy bar chart -- Not sure how exactly the policy bar chart works. Am I supposed to select a state somewhere? Does it interact with the info from viz 4 where I select to filter a state? Might it be annoying to scroll up and down to select different states to look at their policy effects? (severity 2)
7. Question: Are there any visualizations for "other factors"?

Jeffrey:
1. Disappearing/Moving navs (Vis 1) - does the "drag to change region" box only show if I'm zoomed in? And does the brushing filter to change the Years move position depending on if the visualization is zoomed in? (severity 1)
2. Zooming (Vis2) - Maybe consider just having some sort of interaction directly on the vis for zooming? Maybe a user can just brush over a certain week directly on the calendar to see that week in more detail (severity 1)
3. Centralizing navs (vis2) - It seems like the two zoom buttons and the year selector could be condensed into a single nav since they all represent navigating the data temporally. Just a thought but it looks fine as it is now too! (severity 0)
4. Color order Vis3 - is there a reason the colors in the stacked bar chart are not in consistent order? (severity 3)
5. Navigation Vis3 - if I click a state and to filter, and zoom in on just that state, how do I go back to the main view seeing all the states? (severity 1)
6. Colors Vis1 - It would be cool to have the colors be on a less discrete scale - e.g. yellow to red and have a range in the chloropleth generated by javascript (severity 1)
7. Colors Vis1 - What happens to the colors in the chloropleth when you zoom in? (severity 0)