NIH Toolbox Setup Checklist

Hardware and Software Requirements:

- Internet connectivity (required for use of NIH Toolbox measures)

Laptop requirements:

- Windows 7
- **Browser requirements:** NIH Toolbox instruments have been optimized to run and are supported on Internet Explorer 11
- 4 USB ports
- Minimum screen resolution of 1366 x 768

External Monitor requirements: (Cognition and Sensation instruments)

- 19" widescreen
- Support a screen resolution of 1440 x 900

Other:

- Multi plug power strip
- Additional mouse
- External speakers and/or headphones
- Internal soundcard [sensation–hearing tests]
- Keyboard [cognition processing speed and executive function instruments]
- USB hub (if required for instruments and/or laptop has less than 4 USB ports)

Software:

- Adobe Flash player
- **Internal Bluetooth 3.0 receiver [Standing Balance Test]**
  - or
  - External USB Bluetooth receiver
**Cognition/Sensation** measures are administered in dual-screen mode using two mice

- The laptop and one mouse is used by the examiner
- The external monitor and one mouse is used by the participant = **PRIMARY DISPLAY**
  - Position external monitor to LEFT of the laptop—a bit more than 90 degrees.
  - Plug in the three laptop-to-monitor cables:
    1. Laptop power cord
    2. External monitor power cord
    3. Monitor VGA cable provided with the monitor (left side of laptop)
    [15-foot VGA cable required for Vision measures]

Set up dual screen display with external monitor as primary display.

- External monitor has been plugged in first
- Resolution for monitor is set to 1440 x 900
- Resolution for laptop is set to 1366 x 768, or 1440 x 900
- Enable allow pop-ups from Assessment Center/NIH Toolbox website
- Disable hibernate, automatic updates, and virus scanning software

Other connections:

- Connector for speakers or headphones plug into headphone jack
- USB hub plugs into a laptop USB port
- Mice and keyboard plug into USB hub ports
- Specialized Toolbox equipment plugs into a laptop USB port

**Motor/Emotion** Instruments do NOT require a two-screen set-up. Laptop requirements:

- Minimum laptop screen resolution of 1366 x 768
- Windows 7 and Internet Explorer11 (IE11)

**Motor** Standing Balance Test requirement:

- Bluetooth receiver installed (or use external Bluetooth receiver)
- Plug external USB Bluetooth receiver into a laptop USB port.
- Pair individual Bluetooth receivers with individual laptops
NIH Toolbox Setup Checklist

**Sensation** hearing tests require an internal soundcard and headphones:
- □ Internal soundcard driver installed first
- □ Headphones are plugged into a USB port

**Word-In-Noise Test:**
- □ Install Java Applet

**Visual Acuity Test:**
- □ XR21V device driver is installed
- □ Laptop is turned on and Windows running **before** plugging the DVA headgear
- □ Plug in USB-to-USB cable into laptop USB port (right side)
- □ Connect headgear to the other end of the USB cable

We are temporarily suspending all **NEW** uses of the DVA due to technological issues. We are exploring solutions to the problem but are not able to support new installations of DVA. (July 2014)