

BMDS 3.1.2 README

- 1. WHAT'S NEW IN BMDS 3.1.2**
- 2. SYSTEM REQUIREMENTS**
- 3. DOWNLOADING/INSTALLING**
- 4. CREATING A BMDS DESKTOP ICON**
- 5. TROUBLESHOOTING**
- 6. HELP & SUPPORT**

The U.S. Environmental Protection Agency's (EPA) Benchmark Dose Software (BMDS) facilitates the application of benchmark dose (BMD) methods to EPA hazardous pollutant risk assessments.

This version of BMDS was co-developed with support from the National Institute for Occupational Safety and Health (NIOSH).

1. WHAT'S NEW IN BMDS 3.1.2

BMDS 3.1.2 includes the following fixes, changes, and enhancements:

- Fixed issue with unrestricted frequentist LogProbit model fitting for specific datasets.
- Fixed issue with Weibull model crashes for specific datasets.
- Fixed issue with dichotomous model crashes for some combinations of datasets and option sets.
- Resolved continuous and dichotomous model convergence issues that caused result discrepancies between BMDS 2.7 and 3.1.1 in some cases.
- Consistent with BMDS 2.x versions, 3.1.2 now defaults to the restricted version of the dichotomous Hill model.
- The model weight column heading on the main tab of BMDS3.x was changed from "Model Weight" to "Prior Weights", and added hover text to clarify intent of model weights.

The [BMDS Release History page](#) lists all features, enhancements, fixes, and changes for each BMDS 3 release.

2. SYSTEM REQUIREMENTS

BMDS requires the desktop version of Microsoft Excel 2010, 2013, or 2016 (32- or 64-bit) for Windows or later with macros enabled (visit the Microsoft support site for information on [enabling Excel macros](#)). We recommend using the Office 365 or standalone Microsoft Office installation methods rather than installing via the Microsoft Store.

BMDS is compatible with 64-bit versions of Microsoft Windows.

BMDS does not run on macOS systems; instead, we recommend installing a Windows virtual machine and running BMDS from there.

3. DOWNLOADING/INSTALLING

BMDS is distributed as a .zip file, which can be unzipped to any folder where the user has read/write privileges. Administrator privileges are not required.

Follow the instructions on the [BMDS Download page](#) to download and install the latest BMDS version.

4. CREATING A BMDS DESKTOP ICON

You may find it more convenient to run BMDS from a desktop shortcut icon. Here's how to create one:

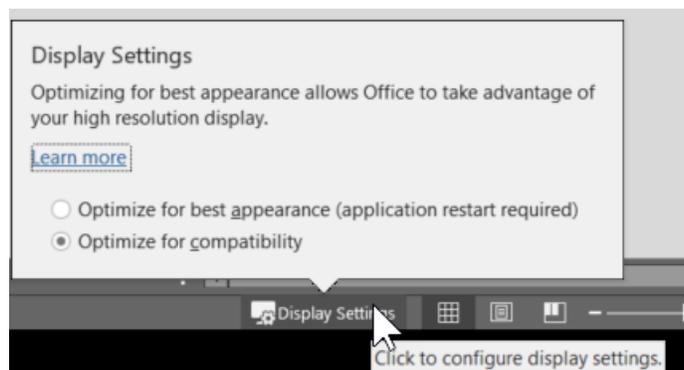
1. Delete any older BMDS shortcut icons on your desktop.
2. In Windows Explorer, navigate to the newly installed BMDS application folder.
3. Right-click the BMDS3.xlsm file (or "BMDS3" if your computer does not show file extensions). A context menu appears.
4. Click Send To.
5. From the Send To submenu, click "Desktop (Create Shortcut)". Windows creates a shortcut to the file on your desktop.

5. TROUBLESHOOTING

Resolving Some UI Display Issues

There may be situations where Excel improperly displays some onscreen controls, such as buttons or check boxes (for example, button text is hidden or truncated or check boxes are misaligned).

To resolve, select the "Display Settings" button in the status bar at the bottom of the Excel window and then select "Optimize for Compatibility." You may need to close and reopen the workbook for this change to take effect.



The Display Settings button

Specify Single Dataset/Option Combinations for Word Reports

For BMDS 3.1.1 and later releases, we recommend that, when using the Word Report option, specify only single dataset/option combinations. Word Report generation improvements will be addressed in BMDS 3.2.

6. HELP & SUPPORT

- Check the [BMDS Support Articles page](#) for information on known issues, upcoming enhancements, and workarounds
- Check the [BMDS Release History page](#) for a detailed list of all bug fixes and enhancements included in each BMDS 3.x release
- [File an eTicket](#) for direct support.
- [Sign up to receive email announcements](#) on updates and training.
- Check the [BMDS web site](#) for updates and additional information