

Overview

The Jackson Laboratory's Colony Management System (JCMS) is a multi-user relational database management system supporting concurrent user access for managing animal colonies in a research environment.

Since its initial release in 1999, JCMS has been widely used within The Jackson Laboratory and adopted world-wide by a numerous research institutions. The JCMS user group currently includes over 4,500 subscribers. JCMS functionality is community driven. JCMS consists of two complementary applications: *JCMS Access* and *JCMS Web*. Both can be used together on the same MySQL™ database. JCMS Access includes the full suite of functionality, but only runs on a PC computer and requires Microsoft Access™ to be installed on the computer. JCMS Web runs on any modern web browser and can be installed to run on Windows™, LINUX™, or Macintosh™ computers. Both applications can be download an installed for FREE.

Some of the salient features that JCMS offers are:

- Web interfaces available for basic colony management functions
- Tracking animal status
- Line viability monitoring
- Tracking of animal pedigree
- Cage card printing
- Colony status reports
- Mouse-room work reports
- Genotype logging
- Creating mating records
- Tracking plug dates
- Creating litter records
- Animal pen management
- Experimental data tracking
- Bulk data entry
- Advanced database queries
- Comprehensive mouse sample tracking
- Support for handheld devices

Community support is available via [GitHub](#) and the [community discussion forum](#), and we do announcements through the [jaxcms listserv](#).



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