

# OpenMRS-core 2.1.0-beta Release Notes

Release Date: Friday, April 7, 2017



This version of OpenMRS Core is a pre-release and is not ready for production use. Its purpose is to give users an idea of what to expect in the upcoming release and help discover any possible obscure new bugs.

## What's New

Some interesting features in the 2.1 line will be:

- Support for *status* (e.g. for recording preliminary lab results) and *interpretation* (e.g. for marking a test result as abnormal)
- Enhancements to the data model for Cohorts, to add a start date and end date
- Faster patient searches (using Lucene under the hood)
- Loosening restrictions on merging patients who have orders
- Simple approach for developers to add caches programmatically

We expect that 2.1.x will be the first *non-LTS* release, where we only release openmrs-core to maven for developers, and don't do a full OpenMRS Platform release. Read more about this means in the (future) release notes final release.

## Download

Get it at [https://sourceforge.net/projects/openmrs/files/prereleases/OpenMRS\\_Core\\_2.1.0\\_Beta/](https://sourceforge.net/projects/openmrs/files/prereleases/OpenMRS_Core_2.1.0_Beta/)

## Feedback Welcome!

As always, we look forward to getting your feedback about this release. Share your thoughts on <http://talk.openmrs.org>.

We would especially like review of these features:

- + [TRUNK-4906](#) - Expanded cohort details CLOSED
- + [TRUNK-4976](#) - Support obs.interpretation and obs.status, aligned with FHIR CLOSED
- + [TRUNK-4696](#) - SaveOrder method should throw more meaningful exceptions CLOSED

## Data Model Changes since 2.0.0

- Add `unique_id` column to `concept_reference_source`
- Dropping foreign key constraint `member_patient`
- Dropping foreign key constraint `parent_cohort`
- Dropping primary key for `cohort_member`
- Adding column `cohort_member.cohort_member_id`
- Updating cohort member ids
- Adding primary key to `cohort_member.cohort_member_id`
- Adding auto increment property to `cohort_member.cohort_member_id`
- Adding column `cohort_member.start_date`
- Updating `cohort_start_date` with value `cohort.date_created`
- Adding column `cohort_member.end_date`
- Adding column `cohort_member.creator`
- Updating `cohort_member.creator` value
- Adding foreign key constraint to `cohort_member.creator`
- Adding column `cohort_member.date_created`
- Updating `cohort_member.date_created` with value `cohort.date_created`
- Adding column `cohort_member.voided`
- Adding `defaultValue` for `cohort_member.voided`
- Adding column `cohort_member.voided_by`
- Adding column `cohort_member.date_voided`
- Adding column `cohort_member.void_reason`
- Adding column `cohort_member.uuid`
- Generating UUIDs for all rows in `cohort_member` table via built in `uuid` function.
- Adding unique constraint to `cohort_member.uuid`
- Adding foreign key constraint to `cohort_member.cohort_id`
- Adding foreign key constraint to `cohort_member.patient_id`
- Dropping `defaultValue` for `cohort_member.cohort_id`
- Dropping `defaultValue` for `cohort_member.patient_id`
- Adding "date\_changed" column to `concept_class` table
- Adding "changed\_by" column to `concept_class` table

- Adding "date\_changed" column to concept\_reference\_source table
- Adding "changed\_by" column to concept\_reference\_source table
- Adding "date\_changed" column to concept\_name table
- Adding "changed\_by" column to concept\_name table
- Adding "date\_changed" column to concept\_name\_tag table
- Adding "changed\_by" column to concept\_name\_tag table
- Adding "date\_changed" column to form\_resource table
- Adding "changed\_by" column to form\_resource table
- Adding "date\_changed" column to global\_property table
- Adding "changed\_by" column to global\_property table
- Adding "date\_changed" column to patient\_identifier\_type table
- Adding "changed\_by" column to patient\_identifier\_type table
- Adding "date\_changed" column to relationship\_type table
- Adding "changed\_by" column to relationship\_type table
- Adding "status" column to obs table
- Adding "interpretation" column to obs table
- Modify column length of obs.value\_complex to 1000 from 255

## Ticket Statuses at the time of the Beta release

Issue Type	Key	Summary	Status
New Feature	<a href="#">TRUNK-5123</a>	getConceptByName should immediately return concept if only one matching concept	Waiting on Information
New Feature	<a href="#">TRUNK-5109</a>	Enhance ObsService to provide getRevisionObs	Closed
New Feature	<a href="#">TRUNK-5077</a>	AbstractHandler#purgeComplexData(Obs) should return true when file is missing from disk	Closed
New Feature	<a href="#">TRUNK-5012</a>	Ability to limit lucene patient search by identifier to a particular identifier type	Closed
New Feature	<a href="#">TRUNK-4980</a>	Enable hibernate second level cache for org.openmrs.Privilege	Closed
New Feature	<a href="#">TRUNK-4976</a>	Support obs.interpretation and obs.status, aligned with FHIR	Code Review (Post-Commit)
New Feature	<a href="#">TRUNK-4975</a>	Making Family name as Optional	Closed
New Feature	<a href="#">TRUNK-4971</a>	Add caches programmatically	Closed
New Feature	<a href="#">TRUNK-4964</a>	ComplexObsHandlers should support complex data encoded as text	Closed
New Feature	<a href="#">TRUNK-4947</a>	Add ConceptService.getConceptSourceByHL7Code	Closed
New Feature	<a href="#">TRUNK-4941</a>	Add ModuleUtil.isOpenmrsVersionInVersions()	Closed
New Feature	<a href="#">TRUNK-4936</a>	Add ConceptSource.uniqueId	Closed
New Feature	<a href="#">TRUNK-4935</a>	Remove a TODO in code about refactoring ProgramWorkflowService.getPatientPrograms()	Closed
New Feature	<a href="#">TRUNK-4933</a>	Create pull request to remove TODO comments from core code	Closed
New Feature	<a href="#">TRUNK-4931</a>	Remove a TODO in code about notifying on global property name changes	Closed
New Feature	<a href="#">TRUNK-4930</a>	Remove a TODO in the code about AdministrationService.getPresentationLocales() return type	Closed
New Feature	<a href="#">TRUNK-4928</a>	Remove code TODO about interface OpenmrsMetadata should support localized names and descriptions	Closed
New Feature	<a href="#">TRUNK-4906</a>	Expanded cohort details	In Progress
New Feature	<a href="#">TRUNK-4696</a>	SaveOrder method should throw more meaningful exceptions	Code Review (Post-Commit)
New Feature	<a href="#">TRUNK-4673</a>	Add support for init parameters for module servlets	Closed
New Feature	<a href="#">TRUNK-4668</a>	When a module is started, all its dependent modules should be started	Closed

New Feature	<a href="#">TRUNK-3675</a>	Cache results from getSearchLocales()	Closed
New Feature	<a href="#">TRUNK-2698</a>	Allow admins to view and edit all concept names	Closed
New Feature	<a href="#">TRUNK-2038</a>	Update the simple order jsp pages to work with the new attributes	Closed
New Feature	<a href="#">TRUNK-2004</a>	Ignore blank person addresses on the patient forms	Closed
New Feature	<a href="#">TRUNK-1916</a>	Code coverage and Test report for OpenMRS	Closed
New Feature	<a href="#">TRUNK-1873</a>	Regression Test OpenMRS with Apache Tomcat 7.	Closed
New Feature	<a href="#">TRUNK-1682</a>	Add maven module for checkstyle	Closed
New Feature	<a href="#">TRUNK-425</a>	Use Hibernate Search with Apache Lucene for Patient Searches	Closed
New Feature	<a href="#">TRUNK-423</a>	End-User-Friendly Patient Matching and de-duplication in the core application	Closed
New Feature	<a href="#">TRUNK-362</a>	HL7 message routing improvements	Closed
Story	<a href="#">TRUNK-5010</a>	In some cases it should be possible to merge patients even if both have active orders	Closed
Story	<a href="#">TRUNK-4943</a>	Failing to start the server due to CacheManager issue	Closed
Bug	<a href="#">TRUNK-5120</a>	Unable to modify/edit a Program from OpenMRS admin	Closed
Bug	<a href="#">TRUNK-5079</a>	Fix HL7UtilTest failure on OpenJDK 7	Closed
Bug	<a href="#">TRUNK-5078</a>	Remove velocity.log files	Closed
Bug	<a href="#">TRUNK-5075</a>	EncounterTest random failures	Closed
Bug	<a href="#">TRUNK-5071</a>	Fix performance of get concepts by mapping	Closed
Bug	<a href="#">TRUNK-5066</a>	Add tests to ConceptServiceImpl	Closed
Bug	<a href="#">TRUNK-5058</a>	Extract private method in ObsServiceImpl.saveExistingObs	Closed
Bug	<a href="#">TRUNK-5056</a>	Use apache StringUtils in OrderSetServiceImpl	Closed
Bug	<a href="#">TRUNK-5044</a>	Use platform agnostic newlines in string formatting	Closed
Bug	<a href="#">TRUNK-5038</a>	Replace StringBuffer with StringBuilder	Closed
Bug	<a href="#">TRUNK-5036</a>	HibernateConceptDAO.getConceptByName() method logs incorrect warning message	Closed
Bug	<a href="#">TRUNK-5035</a>	Use Boolean.valueOf to test strings	Closed
Bug	<a href="#">TRUNK-5030</a>	Collection.isEmpty() should be used to test for emptiness	Closed
Bug	<a href="#">TRUNK-5024</a>	Accepting more characters for observation value of type Text	Closed
Bug	<a href="#">TRUNK-5021</a>	AllergenType includes some invalid options	Closed
Bug	<a href="#">TRUNK-5019</a>	Error Scenario in Obs Save : New child Obs not saving when entire Obs group is updated	Closed
Bug	<a href="#">TRUNK-5018</a>	defaultLocale property of User is not updated to Context when the user is logged in	Closed
Bug	<a href="#">TRUNK-5017</a>	Encounter.removeProvider fails if same provider has already been removed once before	Closed

Bug	<a href="#">TRUNK-5016</a>	Weak password message is not translated while the exception is raised	Closed
Bug	<a href="#">TRUNK-5009</a>	Set HttpOnly for JSESSIONID cookie	Closed
Bug	<a href="#">TRUNK-5005</a>	ModuleFactoryTest Error	Closed
Bug	<a href="#">TRUNK-4984</a>	TextHandler does not work	Closed
Bug	<a href="#">TRUNK-4978</a>	Another CacheManager with same name 'apiCache' already exists in the same VM	Closed
Bug	<a href="#">TRUNK-4977</a>	ImageHandler.saveObs(Obs) to close outfile	Closed
Bug	<a href="#">TRUNK-4973</a>	Saving Existing Obs will not update formNamespaceAndPath	Closed
Bug	<a href="#">TRUNK-4970</a>	Obs retrieval from the encounter should maintain the same order in which it is added	Closed
Bug	<a href="#">TRUNK-4968</a>	Non empty database should not fail when finishing database setup	Closed
Bug	<a href="#">TRUNK-4967</a>	NPE in HibernateConceptDAO.isConceptNameDuplicate	Closed
Bug	<a href="#">TRUNK-4965</a>	Encounter with complex obs throws NullPointerException on save	Closed
Bug	<a href="#">TRUNK-4959</a>	Clean Hibernate session after applying liquibase changesets	Closed
Bug	<a href="#">TRUNK-4957</a>	Code cleanup: remove duplication in getApplicationDataDirectory	Closed
Bug	<a href="#">TRUNK-4949</a>	Patient Merge - HibernatePatientDAO - getDuplicatePatientsByAttributes - Not performing on large database	Closed
Bug	<a href="#">TRUNK-4945</a>	Adding setmember to concept with retired set members either does not get added up or gets added in the wrong position	Closed
Bug	<a href="#">TRUNK-4940</a>	Obs validator validates for empty value in parent obs which is to be voided	Closed
Bug	<a href="#">TRUNK-4939</a>	VisitValidator should ensure that the visit start date can't be before the birth date of the patient	In Progress
Bug	<a href="#">TRUNK-4938</a>	ConceptService.getConceptSourceByName privilege annotation wrong	Closed
Bug	<a href="#">TRUNK-4937</a>	Saving a visit should not cascade to encounters associated to it	Closed
Bug	<a href="#">TRUNK-4927</a>	Remove a TODO in code about config parameter from DatatypeService.getDatatype	Closed
Bug	<a href="#">TRUNK-4926</a>	Remove a TODO in code about PatientIdentifierType.toString() returning a more "debug-worthy" string	Closed
Bug	<a href="#">TRUNK-4925</a>	Copy patient specific attributes on Patient() constructor	Closed
Bug	<a href="#">TRUNK-4923</a>	Remove TODOs from code about addAttribute() needs validation	Closed
Bug	<a href="#">TRUNK-4922</a>	ConceptDAO filters concepts only if results were found by fullTextQuery	Closed
Bug	<a href="#">TRUNK-4918</a>	Remove unused classes and files	Closed
Bug	<a href="#">TRUNK-4915</a>	Concept validator should require datatype and conceptClass fields	Closed
Bug	<a href="#">TRUNK-4913</a>	Concept.hbm.xml not-null on optional changedBy	Closed
Bug	<a href="#">TRUNK-4912</a>	BaseOpenmrsData creator, dateCreated, uuid should be not updatable	Closed
Bug	<a href="#">TRUNK-4902</a>	HibernateOrderDAO exception uses wrong message code	Closed
Bug	<a href="#">TRUNK-4879</a>	NullPointerException at org.openmrs.api.customdatatype.datatype.ConceptDatatype#doGetTextSummary	Closed

Bug	<a href="#">TRUNK-4875</a>	Add unit test for findPossibleValues method of Concept Class	Closed
Bug	<a href="#">TRUNK-4869</a>	Should not be able to set birth or death dates later than present date	Closed
Bug	<a href="#">TRUNK-4867</a>	Do not allow person/patient to have death date before birth date	Closed
Bug	<a href="#">TRUNK-4865</a>	HL7ServiceImpl#resolveUserId should search for users by person name	Code Review (Post-Commit)
Bug	<a href="#">TRUNK-4851</a>	Error in unit test of PatientServiceTest class	Closed
Bug	<a href="#">TRUNK-4850</a>	Module.getExtensions() does not call Module.expandExtensionNames() appropriately	Closed
Bug	<a href="#">TRUNK-4849</a>	NullPointerException at org.openmrs.util.Format#format(Date, Locale, Format.FORMAT_TYPE)	Closed
Bug	<a href="#">TRUNK-4848</a>	NullPointerException at org.openmrs.web.WebUtil#normalizeLocale()	Closed
Bug	<a href="#">TRUNK-4813</a>	SQLException during the initial setup on MySQL 5.7	Closed
Bug	<a href="#">TRUNK-4776</a>	Incorrect Global Properties for CIEL	Closed
Bug	<a href="#">TRUNK-4720</a>	Encounter search will not match on id unless it contains digits	Closed
Bug	<a href="#">TRUNK-4678</a>	ModuleActivatorTest shouldStopDependantModulesOnStopModule fails randomly	Closed
Bug	<a href="#">TRUNK-4539</a>	Object validation should enforce maximum length based on column length constraints in the DB	Closed
Bug	<a href="#">TRUNK-4093</a>	Forms should not be required in HL7 ORU^R01 messages	Closed
Bug	<a href="#">TRUNK-4018</a>	Initial Setup (installer) sits at 100% too long before actually finishing	Closed
Bug	<a href="#">TRUNK-2877</a>	Don't set password values in the UI in the installation wizard	Closed
Bug	<a href="#">TRUNK-2689</a>	Some times empty demographics tab on patient dashboard	Closed
Bug	<a href="#">TRUNK-1</a>	Limited number of trees in the world	In Progress
Task	<a href="#">TRUNK-5140</a>	increase the size of the obs.value_complex column to be ~1000	Code Review (Post-Commit)
Task	<a href="#">TRUNK-5085</a>	Merge checkstyle rules with google's	Closed
Task	<a href="#">TRUNK-5081</a>	Update checkstyle maven plugin	Closed
Task	<a href="#">TRUNK-5080</a>	Reorganize checkstyle	Closed
Task	<a href="#">TRUNK-5070</a>	Convert xml spaces into tabs for indents	Closed
Task	<a href="#">TRUNK-4974</a>	Create platform for SDK	Closed
Task	<a href="#">TRUNK-4962</a>	Remove outdated UI test code	Closed
Task	<a href="#">TRUNK-4958</a>	Refactor OpenmrsUtil.copyFile	Closed
Task	<a href="#">TRUNK-4904</a>	Incorrect message code in Order Validator	Closed
Task	<a href="#">TRUNK-4870</a>	Add Unit tests for ModuleUtil.expandJar(File, File, String, boolean)	Closed
Task	<a href="#">TRUNK-4863</a>	Add github pull request template	Closed
Task	<a href="#">TRUNK-4856</a>	Adding more unit test for ConceptTest and PatientServiceTest	Closed
Task	<a href="#">TRUNK-4855</a>	Adding more unit test for Person.java	Closed

Task	<a href="#">TRUNK-4730</a>	Verify that all relevant domain objects have changed_by and date_changed fields	Closed
Task	<a href="#">TRUNK-3638</a>	Separate liquibase file into separate files per version	Closed
Task	<a href="#">TRUNK-3459</a>	Implement release tests for manage modules	Closed
Sub-task	<a href="#">TRUNK-5002</a>	TRUNK-324 Remove commented code about Re-write the hashCode() method	Closed
Sub-task	<a href="#">TRUNK-5001</a>	TRUNK-324 Remove code comment about Eliminate unnecessary methods	Closed
Sub-task	<a href="#">TRUNK-4999</a>	TRUNK-324 Remove code TODO about Should take care of the case where the user is using removable media	Closed
Sub-task	<a href="#">TRUNK-4998</a>	TRUNK-324 Remove code comments about Fail if minOccurs is greater than 1	Closed
Sub-task	<a href="#">TRUNK-4997</a>	TRUNK-324 Remove code comment about Add a global property that enables different behavior here	Closed
Sub-task	<a href="#">TRUNK-4994</a>	TRUNK-324 Remove TODO comment and deprecate method	Closed
Sub-task	<a href="#">TRUNK-4992</a>	TRUNK-324 Remove code comment about Add changedBy and DateChanged columns to table patient_identifier_type	Closed
Sub-task	<a href="#">TRUNK-4991</a>	TRUNK-324 Remove TODO comments about Check patient has at least one "sufficient" identifier	Closed
Sub-task	<a href="#">TRUNK-4989</a>	TRUNK-324 Remove commented code about Throw an exception if there is no location to fall back on	Closed