

illuminate 24.2.0  
Release Notes v2  
Updated 19May2025

## Document Version History

Version	Date	Section(s) Updated	Description of Modification
1	30January2025	<ul style="list-style-type: none"> <li>Initial Version Created</li> </ul>	<ul style="list-style-type: none"> <li>Initial Version Created</li> </ul>
2	19May2025	<ul style="list-style-type: none"> <li>Document Version History</li> </ul>	<ul style="list-style-type: none"> <li>Added Document Version History</li> </ul>
		<ul style="list-style-type: none"> <li>New Features &amp; Improvements, Data Central (1<sup>st</sup> item listed)</li> </ul>	<ul style="list-style-type: none"> <li>Updated description: New! Internally developed GenAI-enabled 'illuminate Assist' chatbot.</li> </ul>
		<ul style="list-style-type: none"> <li>Data Central</li> </ul>	<ul style="list-style-type: none"> <li>Added EL-27141</li> <li>Added EL-29912</li> <li>Added EL-30483</li> <li>Added EL-31516</li> </ul>
		<ul style="list-style-type: none"> <li>Platform</li> </ul>	<ul style="list-style-type: none"> <li>Added EL-26327</li> </ul>

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## Notice

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## Purpose and Scope

illuminate® is a clinical data hub providing a unified platform for all your clinical data, from acquisition to analytics. It offers self-service access to data ingestion, mapping, and comprehensive analytics, enabling fast and accurate answers to clinical and operational questions.

This document provides release notes for eClinical Solutions' illuminate platform, version 24.2.0. These notes detail new features, improvements, and resolved defects. Reviewing them will help users and business stakeholders understand the benefits of upgrading from previous versions.

## Supporting Documentation

Additional resources for information on the illuminate platform are available.

The illuminate Help Center provides detailed information on using and configuring the platform, including new features and functionality. It can be accessed at: <https://support.eclinicalsol.com/hc/en-us?version=24.2>

Access the illuminate Community Conversations from within illuminate or via the Help Center.

eClinical Solutions also offers a validation accelerator to facilitate and streamline documentation for product upgrades. Contact your project manager for details.

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## New Features and Improvements

illuminate Release 24.2.0 includes several new features and improvements. The major items included in this release are as follows:

### Analytics

**Updated! Redesigned Analytics landing page.** The Analytics landing page has been fully redesigned to enhance presentation, user experience, and platform consistency. This update introduces infinite scrolling, a streamlined master header, and enhanced app cards to simplify navigation and improve usability. Key features include thumbnails on app cards for easy identification, unique colors assigned to each app type, and the ability to favorite apps for quick access. Additionally, each app card is clickable, includes quick-action buttons for Home, Overview, Info, and Favorite, and clearly displays essential app details like version, deployment date, and data model reload timestamp, all at a glance.

**Updated! CTOA: Aligned the CTOA Subject Status to CDA Subject Status and redesigned the Subject Early Discontinuation sheet.** The default Subject Status definitions in CTOA have been updated to better align with CDA, streamlining setup and configuration and incorporating optional statuses, including InScreeningYN, ScreenedYN, ConsentedYN, TreatedYN, and DiscontinuedStudyYN. Additionally, the Subject Early Discontinuation sheet has been redesigned to provide a complete view of all discontinued subjects, regardless of reason. The redesigned charts and listings offer flexible insights, increasing transparency and efficiency in analyzing subjects who did not complete the study.

**Updated! CDA and CTOA Home Page filters.** Both CDA and CTOA Home Pages have been updated with new filters such that both apps now include Therapeutic Area, Program, and Compound filters. These additions enable more focused study analysis, uncovering valuable insights into trends and treatment effectiveness.

## Data Central

**New! Internally developed GenAI-enabled 'illuminate Assist' chatbot.** Introducing 'illuminate Assist,' an internally developed GenAI-enabled text-to-SQL chatbot available in Data Central. This advanced tool leverages Large Language Models (LLM) to understand natural language questions related to data in SDTM safety domains (AE, CM, DM, DS, EX, LB, MH, VS, SV, ECG, PR), and generates results, relevant SQL queries, and explanations. The response also includes a clickable link that opens a draft Custom Listing within Visualizations. This illuminate Assist custom listing can be saved, further edited, and include Subject filters and Data Cuts.

**New! Integrated Clean Progress Tracking.** Data Central's new integrated Clean Progress Tracking streamlines data cleaning workflows! This feature provides insights into subject status and data cleaning progress. Easily navigate from the Subjects listing to perform review, issue, and query activities, or use the built-in visualizations and workspace for an enhanced view of progress, quicker bottleneck identification, and proactive risk management.

**Updated! Data Central Visualizations now supports multi-selection.** The Combo, Pie, Scatter/Bubble, Box & Whisker, Timeline, and Histogram charts now support multi-selection, allowing users to select multiple values for more comprehensive analysis. Selecting additional segments automatically updates existing filters and filter pills to reflect all selections.

**Updated! Enhanced Data Central Visualization filtering.** Enhanced the chart filtering logic to allow users the flexibility to apply either a Subject Filter or a Selected Records filter, depending on their intended analysis. Clicking on a chart segment will filter all relevant charts and listings (those built on the same underlying listing) to display only the data for the selected records. Right-clicking on a chart segment and selecting Filter Subjects will apply a Subject Filter to all charts and listings, including the underlying listing.

**Updated! Added Dynamic Filters to Data Central Visualizations.** All chart types now include a new dynamic filtering feature that allows users to pre-specify fields and values for filtering. A customizable filter drop-down will appear above the chart when users enable the 'Dynamic Filter' switch in the Chart Designer.

**Updated! Improved Data Central Listings' column filtering.** The previous 50-result limit for column filtering in listings has been removed. Users can now view up to 100 values at a time, with scrolling for additional results, providing visibility into all distinct filter values. Additionally, a new feature has been added that allows users to press Enter after searching for specific values (minimum three characters) to automatically select all matching results within the filter.

**Updated! Added support to export the Records Review Summary panel.** The Records Review Summary panel is now exportable to Excel, allowing users the flexibility to share and report metrics as needed.

## Operational Data Repository

**Updated! Auto-populated Personnel data.** Personnel data (role and affiliation) from top-level Personnel forms now auto-populates the Study and Study Sites Personnel subforms. This streamlined process enables users to efficiently review and modify this information when assigning personnel to studies and study sites.

**Updated! Custom fields now support multi-selection in Picklist fields.** This allows users to select one or more values from the available picklist entries.

**Updated! The Formulation and Indication fields have been updated to use multi-select lists.** The Formulations field in the Investigational Product top-level form and the Indications field in the Study and Program top-level forms have been updated from drop-down picklists to multi-select lists. Users can now select one or more values.

**Updated! The field type for predefined fields has changed.** In Fields Config, predefined fields associated with picklists now display as 'Picklist' instead of 'Number,' improving visibility for users.

## Platform

**Updated! Rebranded eIQ Orchestrator to Orchestrator.** The eIQ Orchestrator module has been renamed and rebranded as 'Orchestrator' for simplified identification and improved clarity. This change maintains all existing functionality.

**New! PPD Preclarus Lab Data Portal API Connection.** A new data source has been added to allow users to import lab samples, results, and relevant subject information from the PPD Preclarus Lab Data Portal system.

**Updated! Redesigned Details, Configuration, and Studies pages.** Enhanced navigation and layout updates improve usability across Details, Configure Study, and Studies pages. The Details page now includes updated pagination controls for quicker navigation and an optimized layout for descriptions and configurable settings (using consistent labels) for better readability. The Configure Study window features clearer field labels and streamlined controls for dependent settings, plus updated toggle switches for quick adjustments. On the Studies page, a bold card design and infinite scroll provide a cleaner, more engaging user experience. Consistent header alignment, updated icons, and refined color schemes unify and elevate the interface.

## RACT

**New! Mark Studies as Favorites.** Studies can now be marked as favorites on the RACT landing page and filtered accordingly.

**New! Archive finalized RACT Assessments.** Finalized RACT Assessments can now be archived and removed from the 'Completed Assessment Versions' list.

**Updated! Risk Statement Configuration.** The Risk Statement Configuration page has been redesigned for enhanced performance and usability. The configurable fields are now organized into collapsible sections and can be reordered and dragged across different sections. Additionally, the field types can be further modified for greater customizability.

## RBQM

**New! Introduction of Critical to Quality Factors (CTQs).** Critical to Quality Factors (CTQ) metrics have been added to the RBQM system to align with upcoming guidelines. These can be configured in Data Central Configuration, and the CTQ View can be toggled in the RBQM dashboard.

**New! RBQM Risk Summary Report.** A printable and downloadable Risk Summary Report is now available from a Study's RBQM Overview dashboard.

**Updated! Trial Level Risks.** The 'QTLs' tab has been replaced by the new 'Trial Level Risks' tab. The Trial Level Risks dashboard now displays QTLs with improved visuals and layout.

**Updated! Risk threshold configurations and visualizations.** The risk threshold configuration has been updated to be more flexible and intuitive. Different risk levels in QTL charts are also color-coded to offer better visual representations.

**Updated! Issue notification emails from RBQM Engine.** Issue notification emails now prioritize the most relevant information and include additional navigation options. When creating a RunRBQM task, CC recipients can be added in addition to the assigned roles for notifications.

## Specifications

**New! AI-enabled Specifications.** When an SDTM Mapping Specification is created, illuminate AI will identify the source data variables required for the data transformation for each target SDTM variable. This inference is based on the recently imported data and the SDTM standard selected in the Study Details.

## Statistical Computing Environment (SCE)

**New! Study filter.** A new study filter has been added to the SCE master header, enabling users to focus on specific studies by selecting them individually or opting to view all studies.

**New! Notifications.** In-illuminate notifications are now available to enhance user awareness and streamline workflows. When common actions are completed, such as program execution or an issue assignment, the relevant user(s) will be notified in SCE or anywhere notifications are available on the platform.

**New! IDE Sessions subpanel.** SAS Studio and RStudio users will find a new 'IDE Sessions' subpanel in the SCE Editor, providing centralized management of session files and data. Features include committing file changes, bulk removal of session content, and content search.

## Module Specific Details

For each module of the illuminate platform, we provide detailed information on new features and improvements, as well as any notable defects addressed in that module. Users can navigate directly to the modules most relevant to them to understand how this release will impact their experience and plan for the upgrade.

### Analytics

#### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-25168	Redesigned Analytics landing page	<p>The Analytics landing page has been completely redesigned to provide a more user-friendly, efficient, and visually engaging experience. This update introduces a modernized interface, improved navigation, and several new features aimed at streamlining user interactions.</p> <ul style="list-style-type: none"> <li>• The pagination controls have been removed along with the items-per-page selector in favor of an infinite scrolling experience. Now, as users scroll down the page, additional applications load automatically, providing a smoother, simplified, and more intuitive browsing process.</li> <li>• The master header has been standardized for a more cohesive look and feel. The study selector has been updated to use the standard selector, and the search function has been aligned with the rest of the master header buttons for a cleaner, more organized layout.</li> <li>• App cards now feature thumbnails that represent the app's most recognizable and commonly used charts, with each app type assigned a unique color. This design allows users to visually identify their apps by image and color, making it quicker and easier to find the app they need without relying solely on names.</li> <li>• Each app card prominently displays the full app name and acronym and is now clickable, taking users directly to the app's Home Page.</li> <li>• The app version is now conveniently displayed in a badge above the title.</li> <li>• Each card features a toolbar for quick access to key actions, including Home, Overview, Info (which provides a brief app description), and Favorite.</li> <li>• Users can now favorite apps using the star icon in the card's toolbar and view a filtered list of favorites by clicking the star icon in the master header.</li> <li>• At the bottom of each card, timestamps for 'Analytics Deployed On' and 'Last Data Model Reload' provide important context at a glance.</li> </ul>

## Clinical Data Analytics (CDA)

### New Features/Improvements

Internal Issue #	Summary	Release Notes Description
ECCA-485	CDA - SMQ Comparison Analysis and Application Information sheets: Added MedDRA Version indicator	<p>On the SMQ Comparison Analysis sheet, a button indicating the MedDRA version used for SMQ terms was added next to the existing Broad/Narrow selector to avoid ambiguity. Clicking the button will take users to a list of MedDRA versions.</p> <p>The Application Information sheet was also updated to reflect the MedDRA version used for SMQ terms, beside the existing STDM Standards link, ensuring consistency and accuracy.</p>
ECCA-454	CDA - Demographics sheet: Several calculation and presentation enhancements	<p>Several calculation and presentation enhancements were made to the Demographics sheet, improving data accuracy, clarity, and user experience, including:</p> <ul style="list-style-type: none"> <li>Removed the exclusion of screen failed subjects and subjects with unassigned arms from all charts to ensure all subjects are accounted for. The DISTINCT function was also removed from DM.Subject in the calculation for the number of subjects on all charts, addressing issues for clients reusing subject IDs across studies. These adjustments ensure consistent subject counts across all charts and alignment with the KPIs on the Home Page.</li> <li>Added a Group Assignment filter to allow for easier data segmentation, regardless of the selected buttons.</li> <li>Renamed the first column in the Current Subject Population table to 'Subject Status' to enhance clarity and consistency.</li> <li>Optimized the existing presentation of the charts by decreasing the size of the table and adjusting the rest of the sheet accordingly to improve visibility.</li> </ul>
ECCA-448	CDA - Home Page: Added and rearranged filters	<p>Therapeutic Area and Program filters have been added to the Home Page, enabling users to filter studies by additional parameters. These filters help uncover insights such as trends, outliers, treatment effectiveness, and site performance.</p> <p>Additionally, the filters have been reordered for better usability, now appearing in the following sequence: Study, Therapeutic Area, Program, Compound, Country, Site, and Subject. These updates facilitate more detailed comparisons and streamlined data exploration.</p>
ECCA-401	CDA - All Sheets: Consistently display subject data in listings	<p>All sheets with listings displaying subject data now consistently include the Unique Subject Identifier, Study, Site, and Subject ID. This update ensures key information is always visible across all relevant tables for easier reference and filtering.</p>

Internal Issue #	Summary	Release Notes Description
ECCA-363	CDA - Labs Summary & Labs Summary - Distribution Plot sheets: Added Range Indicator filter	The Labs Summary and Labs Summary - Distribution Plot sheets now include a Range Indicator filter, allowing users to quickly filter lab results by low, normal, or high values. This enhancement enables faster identification of abnormal lab values, streamlining the review process and improving analysis efficiency.
ECCA-349	CDA Snapshot - All Sheets: Updated filter order	Throughout the core CDA Snapshot app, identical filters at the top of each sheet have been repositioned in a consistent order, following a left-to-right, generic-to-specific pattern. This change enhances consistency and makes the filters easier to track and interact with.
ECCA-330	CDA - Tumor Results sheet: Tumor Results and Tumor Results - RANO sheets consolidated	The underlying RANOTR and TR tables have been consolidated, allowing the Tumor Results and Tumor Results - RANO sheets to be merged into a single sheet. This sheet now displays all categories for response assessments, including RANO, and includes a new 'Category for Response Assessments' filter.
ECCA-236	CDA - Waterfall Plot sheet: Removed null values in bar chart and added 2 tables	<p>Removed subjects with a null 'Change From Baseline' from the Best % Change in Tumor Size from Baseline bar chart to avoid cluttering the chart with null values.</p> <p>Added a container object with 2 tabs: Change From Baseline &amp; Null Change From Baseline.</p> <ul style="list-style-type: none"> <li>The Change From Baseline tab is a tabular view of the Best % Change in Tumor Size from Baseline bar chart.</li> <li>The Null Change From Baseline tab shows a table with all records that have a null change from baseline value.</li> </ul>

## Clinical Trial Operational Analytics (CTOA)

### New Features/Improvements

Internal Issue #	Summary	Release Notes Description
ECCA-447	CTOA - Home Page: Added, renamed, and rearranged filters	<p>Therapeutic Area, Program, and Compound filters have been added to the Home Page, enabling users to filter studies by additional parameters and uncover insights such as trends, outliers, treatment effectiveness, and site performance.</p> <p>The Status filter has been renamed to Subject Status to enhance accuracy and clarity.</p> <p>Additionally, the filters have been reordered for better usability, now appearing in the following sequence: Study, Therapeutic Area, Program, Compound, Country, Site, Group Assignment, and Subject Status. These updates support more detailed comparisons and streamlined data exploration.</p>

Internal Issue #	Summary	Release Notes Description
ECCA-434	CTOA - Home Page: Changed default tab of Subject Status object to Historical Subject Status	The Historical Subject Status tab was updated to the default on the Home Page to minimize confusion and assist users in comparing numbers for accuracy during testing and validation. This adjustment provides greater consistency and clarity since the Historical Subject Status calculations align numerically with the KPIs and other charts on the Home Page.
ECCA-418	CTOA - Query Metrics sheet: Redesigned, enhanced, and optimized layout	<p>Several enhancements have been made to the Query Metrics sheet to improve usability and data analysis, including:</p> <ul style="list-style-type: none"> <li>• Increased filter width for improved clickability and readability.</li> <li>• Relocated input object and associated instructions adjacent to the existing filters to optimize space utilization for charts.</li> <li>• Combined Enrolled Subjects and Total Queries into a single KPI for improved visibility.</li> <li>• Consolidated all three charts into a single container for improved visualization and analysis. <ul style="list-style-type: none"> <li>– The Queries vs Subjects bar chart is now able to display not only Open Queries but also Answered Queries, Closed Queries, Cancelled Queries, and Total Queries.</li> <li>– The Current Query Statuses and # of Queries by Sender-Recipient/Query Status bar charts are now able to not only display the # of Queries but also the # of Queries Per Subject.</li> </ul> </li> <li>• Added additional alternative measures to each chart, giving users more ways to slice and dice their data and analyze additional metrics.</li> <li>• Added the Group Assignment column to the listing at the bottom of the sheet.</li> </ul>
ECCA-413	CTOA - Protocol Deviation Details sheet: Added the date of deviation to the listing	Updated the Protocol Deviations listing to include the date of deviation (PD Date). This change aims to avoid potential mismatches when reconciling the number of protocol deviations in the study in CTOA with those displayed in other areas of elluminate.
ECCA-403	CTOA - All Sheets: Updated filter order	Throughout the core CTOA app, identical filters at the top of each sheet have been repositioned in a consistent order, following a left-to-right, generic-to-specific pattern. This change enhances consistency and makes the filters easier to track and interact with.

Internal Issue #	Summary	Release Notes Description
ECCA-382	CTOA - Aligned Subject Status with CDA and redesigned Subject Early Discontinuation sheet	<p>The default Subject Status definitions have been updated to better align with CDA, simplifying CTOA configuration and set up. New optional statuses include: InScreeningYN (based on Subjects.Arm), ScreenedYN (based on Subjects.InScreeningYN), ConsentedYN (based on Subjects.EligibleYN and Subjects.Informed Consent Date), TreatedYN (based on Subjects.First Exposure Date), and DiscontinuedStudyYN (based on Subjects.Withdrawal Reason). DiscontinuedStudyYN replaces previous distinctions between Early Termination, Dropout, and Withdrawal categories.</p> <p>The Subject Early Discontinuation sheet has been redesigned to display all subjects who discontinued the study, regardless of reason, providing a more comprehensive overview. Key updates include:</p> <ul style="list-style-type: none"> <li>Removed Site and Reason toggle buttons, replacing them with two tabs in the bar chart: # of Discontinued By Site and # of Discontinued By Reason.</li> <li>Added a Reason filter to allow users to easily narrow down the discontinued subjects.</li> <li>Removed the Early Termination Rate and Withdrawal Rate KPIs and added a Discontinued Rate KPI.</li> <li>Converted the existing Early Termination By Site bar chart to Discontinued Rate By Study/Country/Site. <ul style="list-style-type: none"> <li>Added the ability to view the chart by Country and Study in addition to Site using the x-axis.</li> </ul> </li> <li>Converted existing treemap to display all discontinued subjects, regardless of reason.</li> <li>Added Group Assignment and Discontinued Reason to the listing, and removed Withdrawal Reason.</li> </ul>
ECCA-211	CTOA - Home Page: Updated denominator of Average Queries Per Data Field KPI	On the Home Page, the denominator of the Average Queries Per Data Field KPI was updated from only fields that have queries against them to all fields to provide a more holistic, representative ratio.

## Operational Oversight (OO)

### New Features/Improvements

Internal Issue #	Summary	Release Notes Description
ECCA-394	OO - All Sheets: Updated to support a multi-select Indication field	In the Operational Oversight app, all sheets have been updated to use the new 'StudyIndications.Indication' field to support multiple values in the Indication field for Programs. The Operational Oversight app will reflect the associated matching values configured in the Operational Data Repository (ODR) module.

## Sample Management Analytics (SMA)

### New Features/Improvements

Internal Issue #	Summary	Release Notes Description
ECCA-381	SMA - Reconciler Results sheet: Added Reconciler Fields column to the Raw Sample Data table	The Reconciler Results sheet now includes a 'Reconciler Fields' column in the Raw Sample Data table, indicating which fields were used to reconcile each record.

## Data Central

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-31516	Visually distinguish critical fields in listings, details, and visualizations	<p>Fields marked as Critical in Metadata are now easily identifiable within Data Central via a distinct Critical icon (octagon with exclamation inside) and dark orange font color. These visual indicators appear in listing headers, the Record Details panel, and the Visualizations Chart Designer field list. This enhancement improves visibility of critical fields, helping users focus their review on the most important fields for a more efficient and targeted data review.</p> <p>Please note: This feature is not enabled by default and is configurable within your illuminate instance. Please contact your illuminate project representative to discuss enabling this function.</p>
EL-30483	Data Central Visualizations: Enhanced support for Subject Filters and Data Cuts in illuminate Assist-generated Custom Listings	Custom listings generated via illuminate Assist now respond appropriately to Subject Filters and Data Cuts applied in Data Central. This enhancement ensures that chatbot-generated listings reflect the same context and constraints as standard listings, improving consistency and relevance of the data displayed.
EL-29912	Data Central Visualizations: Edit illuminate Assist Custom Listings	The Custom Listing saved from the illuminate Assist response can be edited through the Custom Listing Designer. Users can update by modifying the SQL code generated by illuminate Assist in the newly added 'SQL Editor' section in the designer window.
EL-29047	Data Central Visualizations - Chart Designer: New System Tables data store for eCS Users	A new 'System Tables' data store has been added in the Chart Designer for eCS users, which contains Subject, Issue, Query, Review Status Metrics By Domain & Role, and Review Status Metrics By Domain & Role & Subject tables. eCS users can now build charts based on these tables, enabling metric summarization and visualization with full interactivity. While only eCS users can create and edit these charts, all users can view and utilize them.

Internal Issue #	Summary	Release Note Description
EL-28643	Enhancements to messaging from Veeva CDMS when query actions fail due to frozen or locked data within EDC	Currently, a non-descriptive error message is received by users when any query actions (open query, answer query, close query, etc.) fail due to EDC restrictions on querying frozen or locked data in Veeva CDMS. To combat confusion caused by these non-descriptive error messages, the error messages displayed to users have been enhanced when these Frozen/Locked data errors occur. Users will now be more accurately notified when any query actions fail because the target data in Veeva EDC is either frozen or locked and cannot have queries created or actioned upon it.
EL-28533	Data Central Visualizations - Chart Designer: Added support for Data Central users to export and import chart configurations	Data Central users will now be able to export and import their chart configurations directly from the chart designer, enabling them to easily replicate their charts across various environments, simplifying chart migration and avoiding the need to manually recreate them. Data Central Designer users will also be able to export and import charts created by other users. When importing a chart configuration, the chart being created must match the exported chart type for compatibility and consistency.
EL-28517	Left Navigation - Data section: Added support for filtering	After expanding the Data section in the left navigation, users with a non-read-only reviewer role will see a filter icon. This icon allows them to quickly filter the displayed listings for a more efficient review experience. Users can choose to display only listings with records needing review (Review Required), listings where all records are reviewed (Review Complete), or listings that are not set up for review (Not Reviewable). When applied, the filter icon will be solid, and the tooltip will indicate the currently selected filter. The applied filter persists when switching studies but resets upon logging out. To revert to viewing all domains, select 'All' from the filter popover. This enhancement provides a cleaner, more focused view, reducing the number of displayed domains, minimizing distractions, and allowing users to concentrate on relevant data.
EL-28240	Data Central Visualizations: Enhanced filtering	The visualization filtering logic has been enhanced to offer users the flexibility of applying either a Subject Filter or a Selected Records filter, depending on their intended analysis. The charts' standard point-click (left-click) filtering has been updated so that selecting a segment in a chart automatically filters all relevant charts and listings (based on the same underlying domain) to display only the selected records, facilitating targeted record analysis. Non-relevant charts and listings will continue to apply a Subject Filter. Additionally, the ability to right-click on a chart point and select Filter Subjects has been added, allowing users to apply a Subject Filter to all charts and listings, including the underlying domain, to focus on a specific subset of subjects and their data.

Internal Issue #	Summary	Release Note Description
EL-27964	User Domain Settings - Enhanced UI	<p>In Data Central, the User Domain Settings screen, accessible via the Settings (gear) icon in the listing toolbar, has been enhanced:</p> <ul style="list-style-type: none"> <li>Reviewer roles have been separated to display each enabled role for that domain individually, allowing users to easily limit their view to only their role or select multiple roles (such as their role and a dependent role).</li> <li>The UI has been optimized to better utilize the available space, minimizing unnecessary whitespace for a cleaner, more efficient layout. System Fields and Domain Variables now follow a consistent pattern, allowing users to simply check a box to hide columns for fields and variables. The search box within the Hide Domain Variables list allows users to search by Variable Name and Variable Label. Finally, each section is clearly labeled, improving clarity for users regarding the displayed information in each list.</li> </ul>
EL-27778	Subjects Panel - Added support for User Domain Settings	<p>In Data Central, the Subjects panel now supports User Domain Settings, accessible via the Subjects Settings (gear) icon in the panel toolbar. This enhancement allows users to customize their view by hiding columns for System Fields and Domain Variables, making it easier to focus on the most relevant information. This update helps simplify the user experience and reduce unnecessary data clutter.</p>
EL-27548	Open Issues columns include 'In Progress' Issues (if enabled)	<p>When 'In Progress' Issues are enabled for your URL, they will be included in the Open Issues columns in the Subjects and Data listings.</p>
EL-27547	DC Configuration - Subjects Listing: Added Clean Participant Tracker	<p>Within Data Central Configuration, Subjects Listing, a new section has been added to support Clean Progress Tracking enhancements. Users can select 'Enable Subjects Listing to include Clean Status' and specify the fields from the Subjects Listing and/or illuminate Review Metrics (Role Records to Review, Issues, and Queries) for Clean Status calculation. This enables the Clean Status column in the Subjects Listing and its related visualizations.</p>
EL-27390	Enhanced user detail on queries created or actioned in illuminate sent to Veeva CDMS	<p>Veeva CDMS API version 24.2 allows specification of 'Source System Users' when creating or actioning queries via its API. Enhancements in illuminate now utilize this functionality. When users create Veeva CDMS queries in illuminate, the Opened By, Answered By, or Closed By fields will reflect the illuminate username of the individual, rather than the previous system account used for the API data transfer. While the system account still creates/updates queries in Veeva, the corresponding illuminate username provides greater clarity on individual query activity within the Veeva CDMS EDC.</p>

Internal Issue #	Summary	Release Note Description
EL-27376	Data Central Visualizations: Updated the layout and presentation of Dynamic Dimensions in charts	<p>The existing Dynamic Dimensions pills have been relocated to the x-axis to enhance consistency with dynamic measures and create space for dynamic filters. This update provides a cleaner, more intuitive visual connection for where dimensions are presented in the chart and where they can be toggled.</p> <p>Additionally, dynamic dimensions can now be displayed as either x-axis drop-down selectors, which aligns with dynamic measures, or in the original pill-based format. By default, the pill-based display is used, optimizing for 2-4 dynamic dimensions. For users with 5 or more dynamic dimensions, the x-axis drop-down selectors, which can be enabled by deselecting the 'Display As Pills' option in the chart designer (located below the dynamic dimension selector), offer better usability. Both presentations will now respect user profile settings, displaying either the variable name or variable label. This update provides a uniform, flexible, and scalable interface for managing and displaying dynamic dimensions.</p>
EL-27158	Data Central Visualizations: Added ability to create Dynamic Filters	<p>A new dynamic filtering feature has been added to all charts, enabling users to pre-specify fields and values for filtering. When creating or editing a chart, users can enable the 'Dynamic Filter' switch in the Chart Designer for a dimension, measure, or standalone filter. This triggers a filter drop-down above the chart where the list of available values can be customized using the value selector. Users can also set default value(s) using the default selector below the dynamic filter switch. In the rendered chart, users can select one or more values from the selector, instantly updating the chart to reflect the selected filters.</p>
EL-27141	View and save the full illuminate Assist result as a Custom Listing	<p>illuminate Assist responses now include a clickable link that opens a draft Custom Listing for viewing the full results. Users can save this listing using the Save button in the toolbar. It will be saved as a Custom Listing within Visualizations.</p>
EL-26746	Right-click filtering is now available for individual cells within the Records Review Summary panel	<p>Users can now filter by cell value with a right-click, streamlining data analysis by eliminating the need to navigate to the column header and manually select the filter.</p>

Internal Issue #	Summary	Release Note Description
EL-26260	Clean Progress Tracking enhancements	<p>Updates have been introduced to streamline data cleaning workflows and enhance visibility by connecting EDC metrics to elluminate review metrics and visualizing progress across data and systems. This was achieved by effortlessly integrating new Clean Progress Tracking features into Data Central, providing clear insights into subject status within the study and the progress of data cleaning. Easy workflows for review, issue, and query resolution, along with built-in visualizations and a workspace, have been implemented, resulting in a better view of progress, quicker identification of bottlenecks, and proactive risk management.</p> <p>Updated Subjects listing:</p> <ul style="list-style-type: none"> <li>• The listing can now be configured to include a Clean Status indicator, facilitating easier tracking of data cleaning progress across EDC and elluminate workflows.</li> <li>• Review metrics have been added, providing users with a clear view of task progress.</li> <li>• Support for Highlight Conditions and Field Emphasis has been added, enabling users to highlight specific fields and quickly identify risks related to clean progress tracking.</li> <li>• Quick navigation links have been added to the Subjects listing and the Records Review Summary listing, allowing direct access to pending work.</li> </ul> <p>New visualizations and pre-configured 'Clean Progress Tracking' workspace:</p> <ul style="list-style-type: none"> <li>• A pre-configured workspace and out-of-the-box visualizations for data review and cleaning have been added to enable faster identification of risks and bottlenecks. The following visualizations are included: <ul style="list-style-type: none"> <li>– Sheet 1 (Does not require Clean Status to be enabled) <ul style="list-style-type: none"> <li>▪ Records to Review by Reviewer Role</li> <li>▪ Queries by Status</li> <li>▪ Issues by Status</li> </ul> </li> <li>– Sheet 2 (Requires Clean Status to be enabled) <ul style="list-style-type: none"> <li>▪ Clean Status by Study, Site</li> <li>▪ Unclean Status Contributors</li> <li>▪ Population Breakdown by Subject Status, Group Assignment, Site</li> </ul> </li> </ul> </li> </ul>

Internal Issue #	Summary	Release Note Description
EL-25990	Added the internally developed GenAI-enabled 'elluminate Assist' chatbot that leverages LLM to provide responses to questions concerning SDTM safety data	Added 'elluminate Assist' chatbot, a new feature within Data Central accessible via an icon in the master header. elluminate Assist enables users to ask questions regarding SDTM safety domains (AE, CM, DM, DS, EX, LB, MH, VS, SV, ECG, PR) using plain language. It provides instant previews, the corresponding SQL query, and a non-technical explanation of the query logic for easy validation. Discussions on related topics can continue, new ones started by clicking the '+' icon, and historical chats are accessible via a drop-down menu. The instruction page offers disclaimers, usage tips, and pre-verified sample questions to enhance the user experience. Designed with privacy in mind, elluminate Assist ensures data accessibility only to authorized users, maintaining data integrity and confidentiality.
EL-25612	Added support to export Records Review Summary panel	The Records Review Summary panel toolbar now includes an Export button, allowing users to export the listing to Excel. Read Only users can only export the All Roles view, while users with a Reviewer Role can export either their own role or all roles, depending on the selected view.
EL-25374	Removed redundant filter icon from the left navigation	The redundant 'Toggle Subject Filter' icon has been removed from the left navigation to simplify the user interface and enhance usability. The existing filtering options fully handle its previous functionality, providing a more streamlined and efficient experience.
EL-24948	Enhanced the Subjects listing to allow application of advanced filters	Previously, the Subjects listing could only be filtered using panel filters or data cuts. This has been enhanced. Advanced filters can now target the domain used to configure the Subjects listing, as well as other relevant domains. This allows users to easily create reusable data subsets across multiple domains, streamlining their review and other data-driven actions in Data Central.
EL-24946	Enhanced the Workbook Patient Profile to allow application of advanced filters	Previously, the Workbook Patient Profile (WPP) couldn't be filtered using the panel filters familiar to Data Central users. To improve filtering, exported WPPs now include filters applied via advanced filter configurations. If the advanced filter includes domains also present in the WPP configuration, only those overlapping domains will be filtered in the exported WPP.
EL-24840	Data Central Visualizations: Added support for multi-selection	Multi-selection is now supported in Combo, Pie, Scatter/Bubble, Box & Whisker, Timeline, and Histogram charts, allowing users to select multiple values within a chart for a more comprehensive analysis. Additionally, the chart filter pills have been updated to include a chart icon, the chart name on the first line, and for single value filters (where one click applies one value), the <i>Domain.Field</i> and selected values on the second line. For multiple value filters (where one click applies multiple value filters, such as selections in stacked bar charts), the second line displays the number of segments selected out of the total number of segments. Clicking on the multiple value filters pill will bring up a table displaying each click and the filters that have been applied. As users select additional segments within a chart, the existing filters and associated filter pills update to reflect all selected items.

Internal Issue #	Summary	Release Note Description
EL-23978	Enhanced column filtering: removed the distinct result limit and added support for auto-selecting matching filter results	<p>Updates to column filtering include:</p> <ul style="list-style-type: none"> <li>Removing the limit of 50 distinct results from column filters. Previously, the column filters for string fields returned a unique list of values capped at 50. Now, users will see the first 100 values and be able to scroll to access the next 100, and so forth. There is no longer a limit to the number of values that can be displayed.</li> <li>Adding the ability to automatically select all matching results in filter search upon pressing Enter. When users search for specific values in a column filter, they can now simply press 'Enter' to select all matching results at once, streamlining the filtering process and making it faster to narrow down the data. At least three characters are required in the search field to use this feature.</li> </ul>
EL-23486	Data Central Visualizations - Box and Whisker charts: Added support for Show Table	In the toolbar of Box and Whisker charts, users will now find a table icon labeled 'Show Table,' allowing them to seamlessly toggle between the chart and a data table, similar to the functionality supported by histograms. The table view clearly displays the underlying data, eliminating the need to hover over individual chart elements, making it easier to analyze exact values.
EL-23165	Added support for Advanced Filters in Graphical Patient Profiles	Now, when a Graphical Patient Profile (GPP) is open and an Advanced Filter is applied, the GPP automatically updates to reflect that filter, if applicable. This enables users to apply more granular and customized filters, allowing them to refine the GPP and focus on specific subsets of data.

## Operational Data Repository

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-29010	Studies & Study Sites - Personnel: Role and Affiliation data auto-populated	When a person is selected in the Personnel subform of Study or Study Sites, the Role and Affiliation will be automatically populated from the person's top-level Personnel form data. This streamlined process enables users to efficiently review and modify this information when assigning personnel to studies and study sites.
EL-27202	Studies & Study Sites: Added Agent and Affiliation fields to the Personnel subform	The 'Agent' and 'Affiliation' fields have been added to the Personnel sub-level form, accessible in both the Study and Study Site top-level forms. These additional fields will facilitate tracking personnel in relation to their agency and affiliation at the study and study site levels.

Internal Issue #	Summary	Release Note Description
EL-26974	Investigational Products: Updated the Formulations field to a multi-select list	The Formulations field in the Investigational Product top-level form has been updated from a drop-down picklist to a multi-select list, allowing users to select multiple formulations from the list. Alternatively, the importer function can also support multiple formulation selections by providing values separated by a comma (',').
EL-26955	Fields Config: Custom fields with a 'Picklist' Field Type enhanced to support multi-selection by default	Custom fields with a 'Picklist' Field Type now support multi-selection by default. Users can select one or more values from the available picklist entries. This feature is also supported in the importer by using a pipe (' ') delimiter to separate values.
EL-26916	Picklists: Ability to delete 'Other' entry from a custom picklist	Users can now delete the 'Other' entry from a custom picklist which gets created by default along with the picklist. The 'Other' entry cannot be deleted if it is in use by any of the forms, or if it is the only entry in the picklist and there are no other entries in the custom picklist (because a picklist cannot be empty).
EL-26880	Studies & Programs: Updated the Indications field to a multi-select list	The Indications field in the Study and Program top-level forms has been updated from a drop-down picklist to a multi-select list, allowing users to select multiple indications from the list. Alternatively, the importer function can also support multiple indication selections by providing values separated by a comma (',').
EL-24548	Fields Config: Updated pre-defined fields	Updates have been made to pre-defined fields. The Field Type for these fields has been changed to display as 'Picklist' instead of 'Number.' Additionally, the Picklist column has been updated to reflect the names of the associated picklists for each field. This enhancement will provide users with greater clarity and visibility, enabling them to easily identify picklist field types within the list of available fields.

## Orchestrator

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-27917	eIQ Orchestrator rebranded as simply 'Orchestrator'	The eIQ Orchestrator module has been renamed and rebranded as 'Orchestrator' for simplified identification and improved clarity. This change maintains all existing functionality.

## Platform

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-26330	Added new data sources: PPD Preclarus Labs and Subjects API	<p>Two new data sources have been added to illuminate: PPD Preclarus - Labs and PPD Preclarus - Subjects. These additions allow users who actively leverage the PPD Preclarus Lab Data Portal to establish a connection to illuminate, utilizing the APIs offered by their system.</p> <p>The first Data Source, PPD Preclarus - Labs, enables illuminate users to import all of the lab samples and lab results contained within the Lab Data Portal. The second Data Source, PPD Preclarus - Subjects, allows users to import subject demographics, site information, and visit data from the Lab Data Portal. These connections will provide sponsors with an up-to-date dataset of all lab data stored within this external system, as well as better control over the accessibility and review of those datasets using existing illuminate tools like review marking, data variance, and other standard tools for domains imported into illuminate.</p>
EL-26327	Added new data source: Clario eCOA API	<p>A new data source, Clario eCOA, has been added to illuminate. This addition allows users who actively leverage Clario's eCOA Clinical Trials to establish a connection to illuminate, utilizing their system's APIs.</p> <p>The Clario eCOA data source enables illuminate users to import a variety of data from Clario's system including Subject data such as Site assignment, continuation and deactivation, as well as all recorded diary data based on the Clario study configuration. Beyond Subject data, other system-related information like Metadata, Sites, Users, Audit Trail and other Clario system data is imported. This connection will provide sponsors with up-to-date datasets of critical information stored within this external system, as well as better control over the accessibility and review of those datasets using existing illuminate tools like review marking, data variance, and other standard tools for domains imported into illuminate.</p> <p>Please note: This feature is also available in illuminate 24.2 and all subsequent versions.</p>

<p>EL-25171</p>	<p>Redesigned Details, Configuration, and Studies pages</p>	<p><b>Details Page</b></p> <ul style="list-style-type: none"> <li>Updated pagination controls to allow for easier navigation, with visible current and last page numbers, quick jump options, and a Rows Per Page setting; these controls have been grouped together for intuitiveness and ease of use.</li> <li>Repositioned the study description to appear below the study name, providing additional context instantly and maximizing horizontal space for long descriptions.</li> <li>All configurable settings are now displayed in the details section, with each setting's name aligned to match its configured label:             <ul style="list-style-type: none"> <li>1st column primarily displays the study's configuration details, showing all string values.</li> <li>2nd column primarily displays the study's standards and dictionaries, displaying all associated dates.</li> <li>3rd and 4th columns are dedicated to display settings that can be toggled on or off.</li> </ul> </li> <li>Standardized the master header for a cohesive look and feel, aligning the Search function with other header buttons for a cleaner, more consistent layout.</li> <li>Updated to use a standard color palette and refined spacing for improved clarity and consistency.</li> </ul> <p><b>Configure Study Window</b></p> <ul style="list-style-type: none"> <li>Tabs across the window now use standard selectors with improved spacing for better visibility.</li> <li>Configuration Tab:             <ul style="list-style-type: none"> <li>Renamed the 'Study ID' field to 'Study Name' for clarity.</li> <li>Moved the 'Compound' field to the top, below the 'Study Name,' keeping required fields together.</li> <li>Labeled 'Program Type' for Randomized and Stratified options.</li> </ul> </li> <li>Settings Tab:             <ul style="list-style-type: none"> <li>Updated all settings to use switches for toggling on/off.</li> <li>Added visual indicators for dependent settings (e.g., Data Central must be enabled to activate illuminate Assist, Protocol Deviations, and RBQM &amp; RACT).</li> <li>Ensured visibility of all necessary selectors, disabling/enabling them based on primary setting dependencies (e.g., 'Data Store for Queries' is visible but unselectable unless 'Clinical Trial Operational Analytics' is enabled).</li> <li>Updated setting names for consistency with the rest of the product (e.g., Allow Data Review is now Data Central, Clinical Analytics is now Clinical Data Analytics, Operational Analytics is now Clinical Trial Operational Analytics, Custom Analytics is now Source Data Analytics).</li> </ul> </li> </ul>
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Internal Issue #	Summary	Release Note Description
		<ul style="list-style-type: none"> <li>• ETL Tab:               <ul style="list-style-type: none"> <li>– In the Key Study Variables table, relocated instructions to an info icon in the Keys header for a cleaner layout.</li> <li>– Renamed 'Enable Missing Data Records Threshold' to 'Enable Changed Data Records Threshold' for greater precision.</li> </ul> </li> </ul> <p><b>Studies Page</b></p> <ul style="list-style-type: none"> <li>• Enhanced cards with bold presentation, reduced whitespace, and a darker page background color to improve readability and visual focus on important information.               <ul style="list-style-type: none"> <li>– Updated card layout to display study descriptions below study names, matching the Details page, and added a visual divider between study information and attributes.</li> <li>– Replaced the Edit (pencil) icon with a Configure (gear) icon for consistency with the Details page.</li> </ul> </li> <li>• The pagination controls and items-per-page selector have been removed in favor of an infinite scrolling experience. Now, as users scroll down, additional cards load automatically, providing a smoother, simplified, and more intuitive browsing experience.</li> <li>• Standardized the master header, aligning Search and Favorites functions for a cleaner, more organized layout.               <ul style="list-style-type: none"> <li>– The 'Add Study' button is now a standalone button, and a dedicated 'Templates' icon has been added beside it.</li> </ul> </li> </ul> <p>The associated Global Data Stores pages were also updated to match the UI of the Study pages.</p>

## RACT

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-26478	Enhanced RACT Reporting System	<p>The RACT reporting system has been updated to improve the clarity and completeness of report summaries. These updates include:</p> <ul style="list-style-type: none"> <li>A 'Description' column has been added to the Completed Assessment Versions listing, displaying descriptions entered when each assessment version is finalized.</li> <li>An 'Assessment Version Description' field has been added to both the RACT Report and the Version Comparison Report to provide more context for each version.</li> <li>A 'May Result' field has been added to both the RACT Report and the Version Comparison Report to complete the 'if- due to- then- may result' risk statements.</li> </ul>
EL-26477	Revamped Risk Statement Configuration	<p>The Risk Statement Configuration page has been redesigned to offer better flexibility and efficiency in assessment management.</p> <ul style="list-style-type: none"> <li>The Risk Statement Configuration page now features a cleaner and modernized design.</li> <li>Fields are now organized into collapsible sections for easier navigation.</li> <li>Users can reorder fields and move them between sections.</li> <li>Users can now modify the field types of custom fields.</li> </ul>
EL-26476	Enhanced RACT UI	<p>The RACT UI has been updated with the following changes:</p> <ul style="list-style-type: none"> <li>Each risk statement is now assigned a unique 'Risk ID' for improved traceability, which is displayed in both assessments and the RACT report.</li> <li>The 'Next Assessment Due Date' column on the RACT landing page will be blank if a RACT Assessment is finalized without starting a new assessment.</li> <li>The 500-character limit on RACT Assessment text fields has been removed, allowing longer entries.</li> </ul>
EL-25197	Option to Add General Risk Statements Only when Configuring RACT Assessments	<p>When configuring assessments, users now have the ability to select risk categories and add only general risk statements without needing to include their associated risk questions.</p>
EL-23663	Ability to archive finalized RACT Assessments	<p>Finalized RACT Assessments can now be archived and removed from the 'Completed Assessment Versions' list. A list of archived assessments can be accessed in the new 'Archived Versions' tab.</p>
EL-23659	Mark Studies as Favorites on the RACT landing page	<p>Users can now mark studies as favorites on the RACT landing page, and filter accordingly.</p>

Internal Issue #	Summary	Release Note Description
EL-23649	Updated Description column in RACT Configuration	In RACT Configuration, the 'Description' column in the Functional Plans and Response Strategies grids has been renamed to 'Tooltip.' These tooltips appear when configuring these items for the Action Plan. The 'Description' fields have also been removed from the RACT Report and Version Comparison Report.

## RBQM

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-29120	Enhanced RBQM UI	<p>The visuals and layout of the QTL charts have been redesigned for improved usability.</p> <ul style="list-style-type: none"> <li>A new click-and-drag zoom function has been added to the QTL charts for detailed viewing.</li> </ul> <p>The Sites and KRIs listings have been updated to reflect clearer review priority.</p> <ul style="list-style-type: none"> <li>A new 'Score Unavailable' badge is added to the listings to highlight KRIs and Sites without data.</li> <li>A new 'Actioned Issues' column is added to the listings for issues with actions taken but not yet resolved.</li> <li>A new right-click contextual menu is added for the issues columns, allowing users to either review issues through an overlay or in a new sheet.</li> </ul>
EL-26586	New RBQM Risk Summary Report	A printable and downloadable Risk Summary Report is now available from a Study's RBQM Overview dashboard.
EL-26584	Introduction of Critical to Quality Factors (CTQs)	<p>Several enhancements have been made to the RBQM system to improve alignment with ICH E8 R1 and forthcoming ICH E6 R3 guidelines, including the introduction of Critical to Quality Factors (CTQs).</p> <ul style="list-style-type: none"> <li>Critical to Quality Factors (CTQs) are now available in RBQM to align with the ICH E8 R1 and upcoming changes within ICH E6 R3.</li> <li>CTQs can be configured within Data Central Configuration, and QTLs can be assigned as Acceptable Ranges for CTQs.</li> <li>The RBQM Overview dashboard now has the option to toggle between QTL Overview and CTQ Overview.</li> <li>The 'QTLs' tab has been renamed to 'Trial Level Risks' with the option of either QTL View or CTQ View.</li> </ul>

Internal Issue #	Summary	Release Note Description
EL-26583	Enhanced Site and Country Functionality	<p>Several improvements have been made to RBQM, enhancing data accuracy and presentation.</p> <ul style="list-style-type: none"> <li>• RBQM now offers improved accuracy in identifying and mapping Sites to their geographic locations.</li> <li>• A Country Card has been added for each country, similar to the existing Site Card.</li> <li>• The Site Card now features a cleaner layout.</li> <li>• Site Z-Scores are now displayed on the Site Card.</li> <li>• For KRIs and Sites with no data, their risk levels are now grayed out, and they will be excluded from overall Site and Country score calculations.</li> </ul>
EL-26582	Updated risk threshold configurations and visualizations	<p>Updates have been made to improve the visual representation of risk levels in QTL charts using color-coded zones. Also, the UI for risk level configuration of KRIs and QTLs has been improved to be more flexible and intuitive.</p>
EL-26581	Updated Issue notification emails from RBQM Engine	<p>Enhancements have been made to the issue notification system to improve clarity and accessibility.</p> <ul style="list-style-type: none"> <li>• Issue notification emails now prioritize the display of the most relevant details.</li> <li>• Additional navigation options have been added to provide direct links to QTLs, KRIs, and Sites.</li> <li>• Irrelevant and duplicate information has been removed for a clearer view of the issue details.</li> <li>• When creating a task, CC recipients can now be added to 'Run RBQM' actions for issue notifications.</li> </ul>

## Specifications

Internal Issue #	Summary	Release Note Description
EL-28490	Removed the Description and Notes columns from the Specifications home page	<p>The 'Description' and 'Notes' columns have been removed from the Specifications home page; however, these fields are still accessible in the Details panel for each specification.</p>
EL-28489	Added the Last Changed column to the Specifications home page	<p>The 'Last Changed' column has been added to the Specifications home page, allowing users to sort existing specifications to find the most recently updated ones. This makes it easier to find newly created specifications.</p>

EL-28488	Added two Standards columns to the Specifications home page	The 'Standard' and 'Standard Version' columns have been added to the Specifications home page, allowing users to filter the table and find the specification most relevant to their tasks. For example, a user needing to update specifications based on a particular SDTM standard version can easily do so.
EL-28485	New editing option for the Source Values field	A new 'Edit Source Values' option is now available in the right-click context menu of the Source Values field within Codelist Values. This option opens a dedicated 'Edit Source Values' window, providing a larger editing space to help users accurately define their mapping transformations.
EL-28098	New editing option for the Mapping Arguments field	A new 'Edit Mapping Arguments' option is now available in the right-click context menu of the Mapping Arguments field within the Variables List. This option opens a dedicated 'Edit Mapping Arguments' window, providing a larger editing space to help users accurately define their mapping transformations.
EL-28093	Default Methods automatically defined when creating a new Specification	When a new Specification is created, a default list of mapping Methods is automatically defined. This list includes the most common mapping types used during SDTM and ADaM data transformation. This allows users to immediately start authoring their specification without needing to manually define the necessary methods.
EL-28090	Added the Source Values column to the Codelist Values list	The 'Source Values' column has been added to the Codelist Values list, allowing users to optionally define study-specific values for each controlled terminology. This feature enables users to document required mappings not captured in the CDISC controlled terminology standard.
EL-27698	Change to the maximum character limit for the Domain Source Table field	In the Create / Edit Domain window, the Source Table field now allows up to 1000 characters. This field accepts all characters, including numbers, letters, spaces, and special characters.
EL-27266	AI-enabled completion of Specification Source Fields	When an SDTM Mapping Specification is created in elluminate, users will see Source Field defined for some target domains and variables. This is done by elluminate's AI, based on recently imported data and the SDTM standard selected in Study Details. Users retain the option to update their Specifications and modify the AI's results.

## Statistical Computing Environment

### New Features/Improvements

Internal Issue #	Summary	Release Note Description
EL-25961	Select studies to view in SCE	A new 'Select study' drop-down has been added to the master header. This allows users to focus on specific studies by either selecting them individually or choosing all studies. When a selection is made, only files, data, and program executions relevant to the chosen studies will be displayed throughout SCE. This enhances user efficiency by minimizing distractions from studies they are not responsible for.
EL-24872	In-illuminate notifications for changes to files and issues	<p>In-illuminate notifications are now implemented to enhance user awareness and streamline workflows. A new Notifications icon has been added to the master header, providing timely updates when:</p> <ul style="list-style-type: none"> <li>• An execution job initiated by the user completes.</li> <li>• An SCE issue is assigned to the user.</li> <li>• An SCE issue the user created is updated by another user.</li> <li>• An SCE file locked by the user has been unlocked by another user with SCE Configure or Admin privileges.</li> <li>• The user's SCE role has changed for an assigned study.</li> </ul> <p>These notifications help users stay focused on their work, minimizing the need for frequent manual checks for updates. Timely notifications enable users to respond promptly to important events and effectively prioritize tasks.</p>
EL-24774	Directly launch datasets to an RStudio session	Users with an RStudio license for the URL now have the option to launch a dataset to an RStudio session via the Data subpanel. Users are no longer limited to launching only datasets that are dependencies on programs. This allows users to initiate programming in RStudio directly and commit their files to SCE when ready.
EL-24773	Directly launch datasets to a SAS Studio session	Users with a SAS Studio license for the URL now have the option to launch a dataset to a SAS Studio session via the Data subpanel. Users are no longer limited to launching only datasets that are dependencies on programs. This allows users to initiate programming in SAS Studio directly and commit their files to SCE when ready.
EL-24098	Expansion of automated execution rules for Mappings and SCE Programs	Previously in SCE, Production programs could only automatically execute upon the Importer's refresh of dependent datasets. Now, In Production SCE programs can automatically run upon dependent data refresh via mapping execution. Users still have the option to turn this feature off for each program using the 'Automate Execution' file property.

Internal Issue #	Summary	Release Note Description
EL-18694	New Editor subpanel 'IDE Sessions'	In the SCE Editor, users with SAS Studio or RStudio licenses will now see an 'IDE Sessions' subpanel. This subpanel provides centralized management of Studio session files and data. Users can commit file changes, remove session content in bulk, and search sessions by content name, status, version, whether it has dependencies, is a dependency on another program, or has uncommitted changes. Files with uncommitted changes are italicized and marked with an '*'.