



Progeny 11

User Guide

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Progeny 11: Top New Features

MySQL Database Engine

Progeny has been upgraded to a newer and more robust database system called MySQL. This new system has an increased database performance as well as a host of other database-level improvements.

Desktop Client Features

The major desktop client features have been brought over into Progeny 11 so they can all be used in one place. This allows Progeny 11 to be fully functional without the need for a Desktop application.

Subtext/Symbols Customization

Now users can customize the subtext and symbols formats as well as create new ones based on one's preference. Currently this feature is limited to administrative users.

User Maintenance

Users can now be managed from Progeny Web. This includes deletion, creation, and updating of users and their permissions. Passwords can be reset manually, and users can be locked/unlocked. Currently this feature is limited to administrative users.

Datasheet Design

Datasheets can now be customized from the Web. This includes the Individual Datasheets, FHQ Datasheets, and others. Currently this feature is limited to administrative users.

Field Management

Fields can now be managed in the field module. This includes adding, deleting, and modifying Individual and Pedigree level fields. Currently this feature is limited to administrative users.

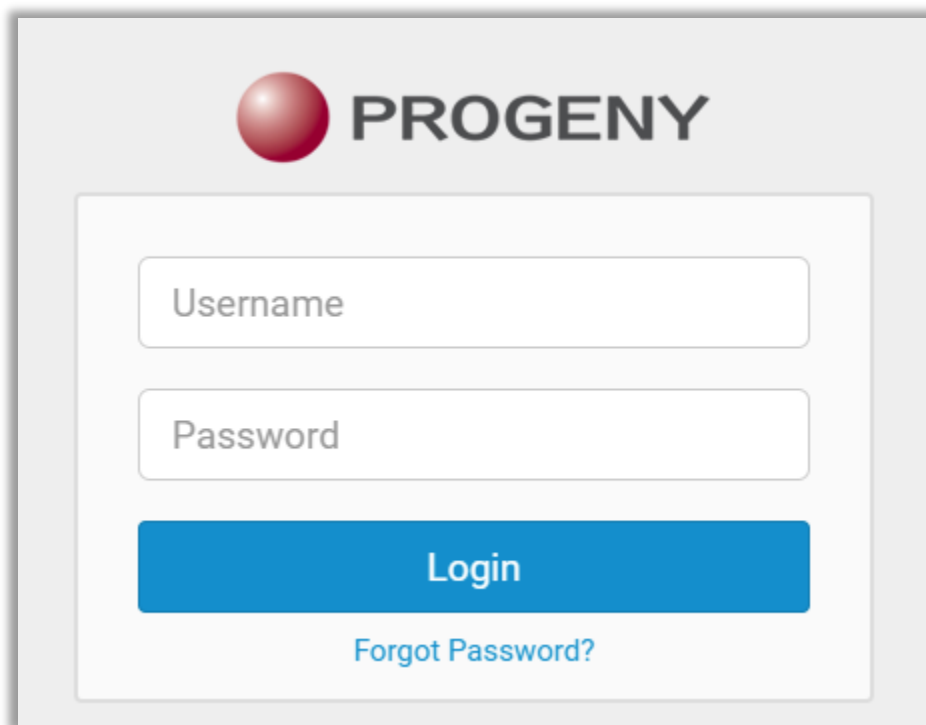
Getting Started

Using the Guide

Welcome to the Progeny Software User Guide. The purpose of this User Guide is to answer your questions and guide you through the procedures necessary to use the Progeny Clinical application. You will find this User Guide easy to use where you can simply look up the topic in the table of contents and select the topic to link directly to that page.

Logging into the Progeny Web Client

Login screen

The image shows the Progeny login screen. At the top, there is a red sphere logo followed by the word "PROGENY" in a bold, black, sans-serif font. Below the logo, there is a white rectangular box containing the login form. Inside this box, there are two input fields: the top one is labeled "Username" and the bottom one is labeled "Password". Below these fields is a prominent blue button with the word "Login" in white text. Underneath the button, there is a link that says "Forgot Password?" in a smaller, blue font.

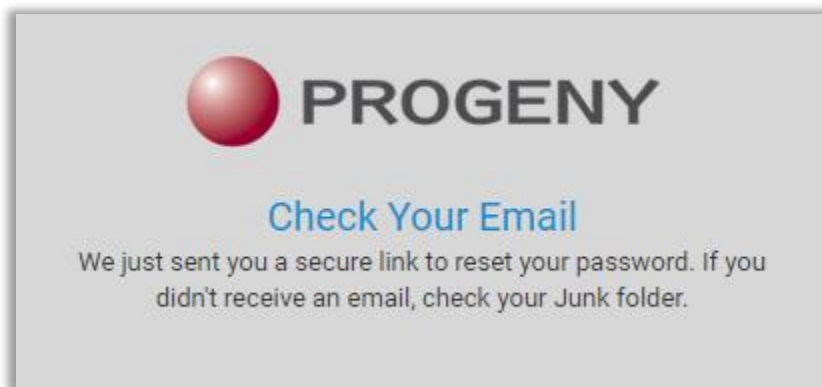
Your Progeny administrator should have provided you with the login URL, username, and password. Enter your **Username** and **Password** to log into your Progeny database.

Forgot Password

The **Forgot Password?** link can be used to reset your password.

The screenshot shows a web form for password recovery. At the top is the Progeny logo, consisting of a red sphere and the word 'PROGENY'. Below the logo is the heading 'Forgot Password?' in blue, followed by the text 'We'll send you a link to reset your password.' The form itself is a white box with rounded corners containing three input fields: 'Username', 'Email', and a 'Send' button. The 'Send' button is blue with white text, and there is a 'Cancel' button to its left.

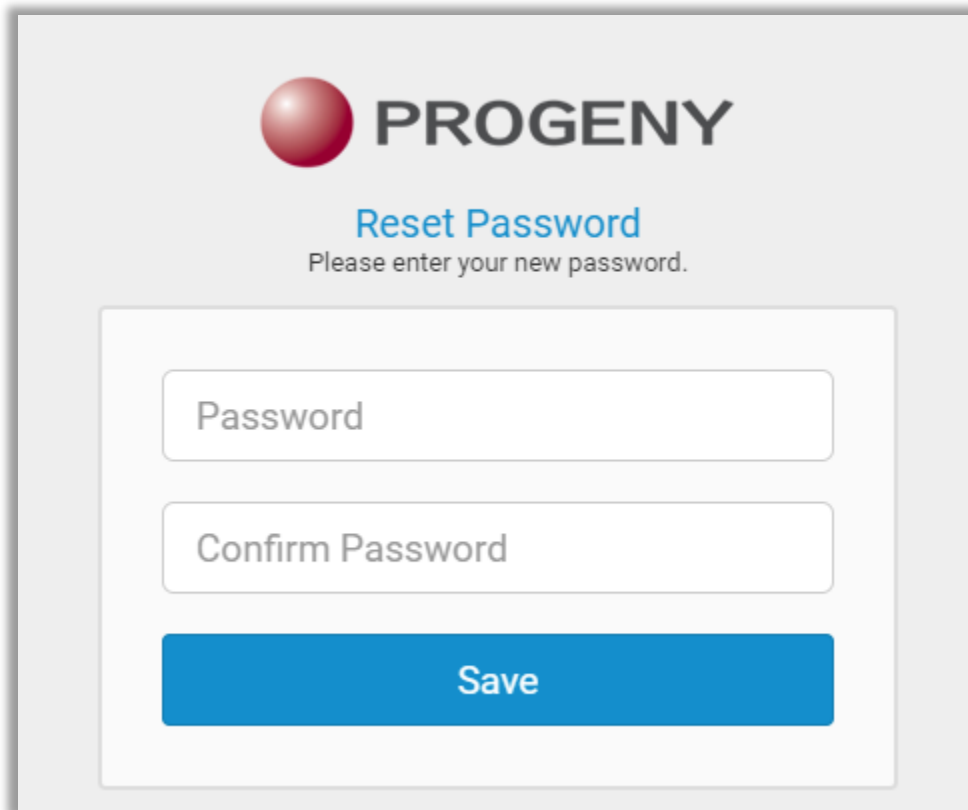
The username must be entered along with the email address associated with the user account to proceed with the reset. Once the information is entered and **Send** is clicked, another page will be displayed, shown below.



Next, the user will receive the password reset email in which they would have to click the link to start the password reset process. The text below shows what the user would see in the email:

A request to reset your password has been received. Please confirm this by clicking on the following link: <https://progenygenetics.com/?passwordResetCode=897109&dbAlias=Progeny&uid=johndoe>

After clicking the link, the user will then be asked to enter the new password as well as the same password to confirm that it was typed in correctly.



Once the new password has been entered, you will then be re-directed back to the log in page where you can now log in with the new password.

Navigation Bar

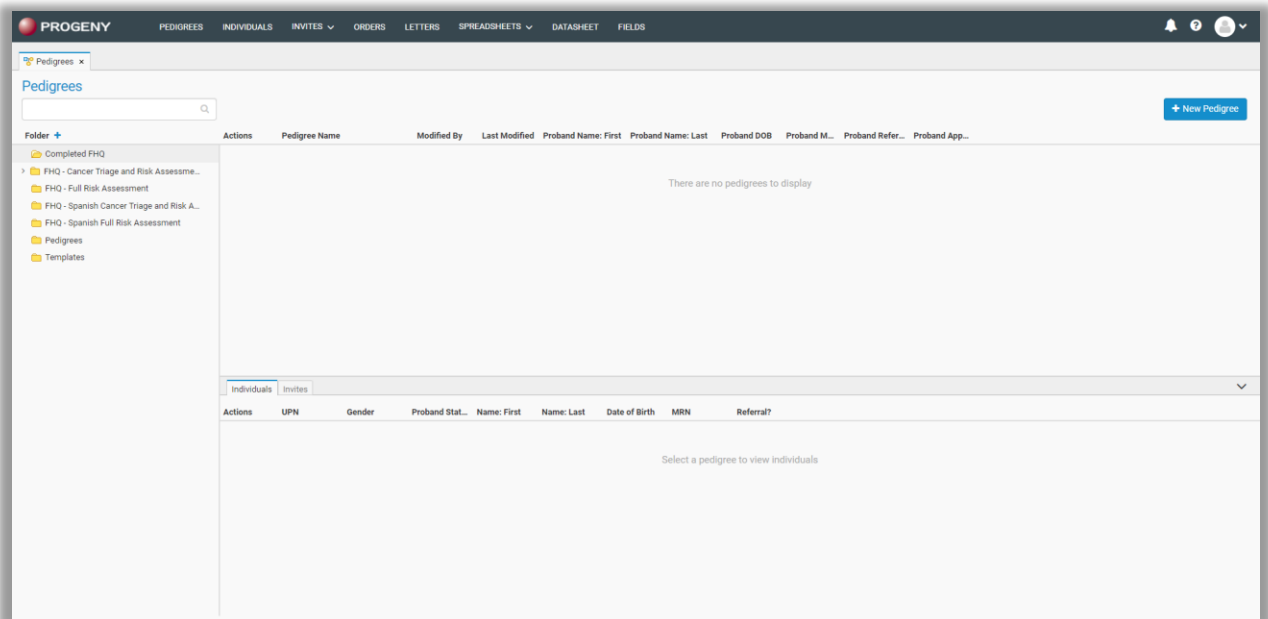


The top of the page displays the different modules in Progeny. Access to certain modules will only be available depending on your institution's licensing with Progeny as well as the user permissions for your user account. Use the toolbar by clicking on a module to open the tab to that specific module. Some modules will have a drop down to click so that other sections in that module can be displayed.

- **Pedigrees** – opens the Pedigrees module to review pedigrees in the database.
- **Individuals** – opens the Individuals module to review individuals in the database.
- **Invites**
 - **Invite Status** – opens the Invites module to send and manage invitations.
 - **Edit Questionnaires** – opens the Edit Questionnaires module to customize the FHQs (Family History Questionnaires).

- **Email Templates** – opens the Email Templates module to edit the FHQ email templates.
- **Orders** – opens the Orders module to review the orders for the Ambry genetic tests.
- **Letters** – opens the Letters module to edit letter templates.
- **Spreadsheets**
 - **Individual Spreadsheets** – opens the Individual Spreadsheets module to create and load spreadsheets for the individual level.
 - **Pedigree Spreadsheets** - opens the Pedigree Spreadsheets module to create and load spreadsheets for the Pedigree level.
- **Datasheet** - opens the datasheet module to modify the datasheet templates in the database.
- **Fields** - opens the fields module where fields can be created, modified, and deleted.

Pedigrees Module



Windowpanes

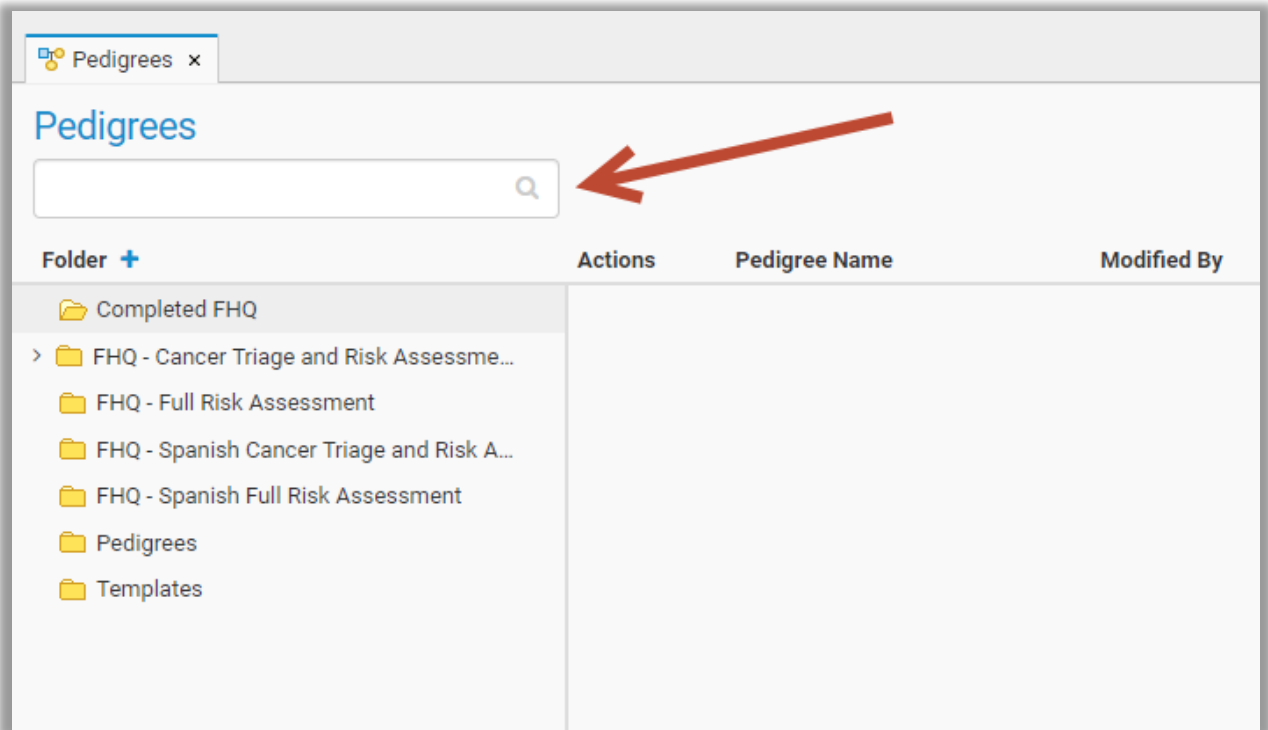
Progeny has three main windowpanes. The left vertical pane displays the folder organization for a functional area in a Windows Explorer-style structure. Click on a folder in the pane to open the folder. As folders and sub-folders are opened in this pane, detailed information about the folder's contents is displayed in the upper and lower horizontal panes on the right (information is displayed in the bottom pane when an item is highlighted in the upper pane).

The folders displayed in the left pane will correspond with the module selected (pedigrees, individuals, or samples, for instance). The panes to the right correspond to parent items on top and sub-items below. For example, if the user is in the Pedigrees module and highlights a pedigree, all the individuals attached to that pedigree are displayed in the lower-right pane. Likewise, if the user is in the Individuals

module and highlights an individual then all samples attached to that individual are displayed in the lower-right pane.

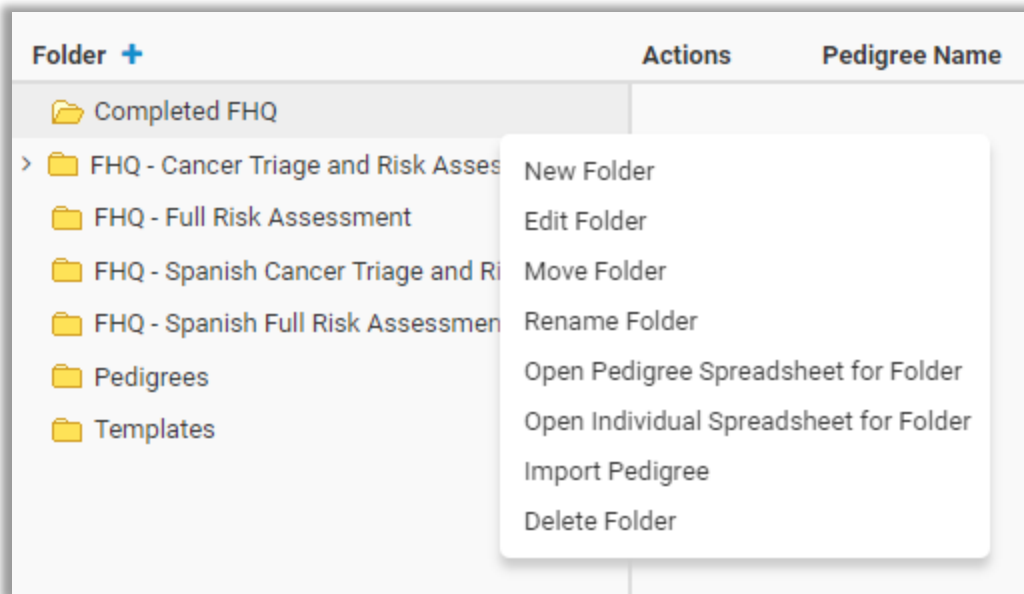
Smart Search

Searches only the data that is displayed in the columns in your smart column. The search is limited to the exact order of the characters in the string. The asterisk (*) is a wildcard that can be used to extend the search.



Folder Management

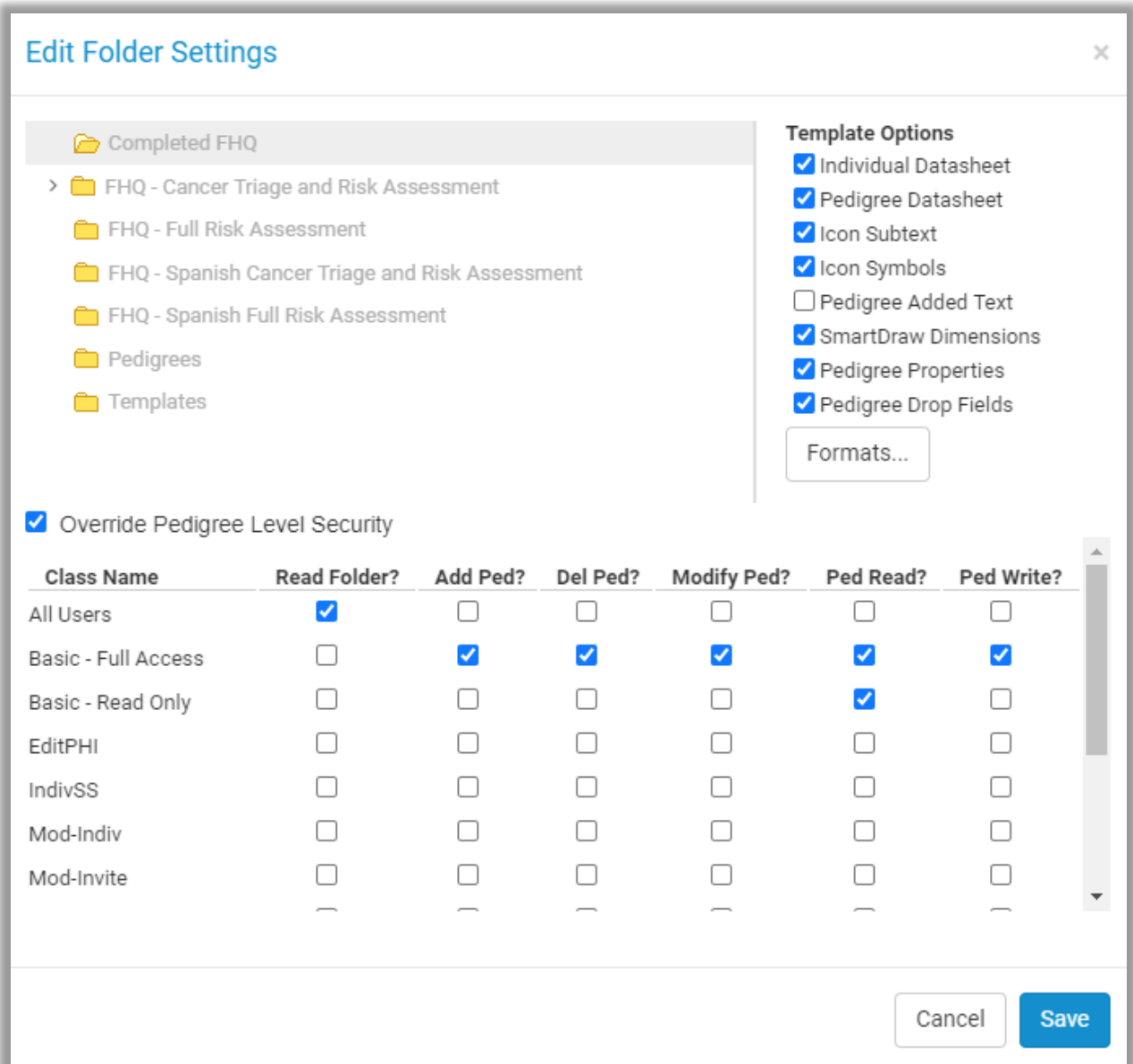
The folders on the left pane can be managed by the drop-down arrow that appears when the mouse is moved over a folder name. In addition, the + icon can be clicked to create a new folder.



- **New Folder** - creates a new folder.
- **Edit Folder** - edit the settings for the specified folder.
- **Move Folder** - moves the specified folder to another folder.
- **Rename Folder** - renames the specified folder.
- **Open Pedigree Spreadsheet for Folder** - runs a specified Pedigree spreadsheet format just for the specified folder.
- **Open Individual Spreadsheet for Folder** - runs a specified Individual spreadsheet format just for the specified folder.
- **Import Pedigree** - imports a pedigree from a file.
- **Delete Folder** - deleted the specified folder.

Editing Folders

You can select the Edit Folder option on the drop-down arrow menu to access the folder settings.



Template Options

You can set specific template options on a folder level. The Formats button is used to select the specified templates.

- Individual Datasheet - the default Individual Datasheet that is shown.
- Pedigree Datasheet - the default Pedigree Datasheet that is shown.
- Icon Subtext - the default Subtext format that is shown. The subtext is the text that is displayed under an individual.
- Icon Symbols - the default Symbol format that is shown. The symbol is the shaded color in an individual signifying a condition.

- Pedigree Added Text - enables the pedigree added text to be replicated to all pedigrees in the folder.
- SmartDraw Dimensions - enables the SmartDraw dimension settings to be replicated to all pedigrees in the folder.
- Pedigree Properties- enables the Pedigree Properties to be replicated to all pedigrees in the folder. When a change to the Pedigree Properties on a pedigree is made, the change is also replicated to all pedigrees in the folder.
- Pedigree Drop Fields - the default Pedigree Fields format that is shown.

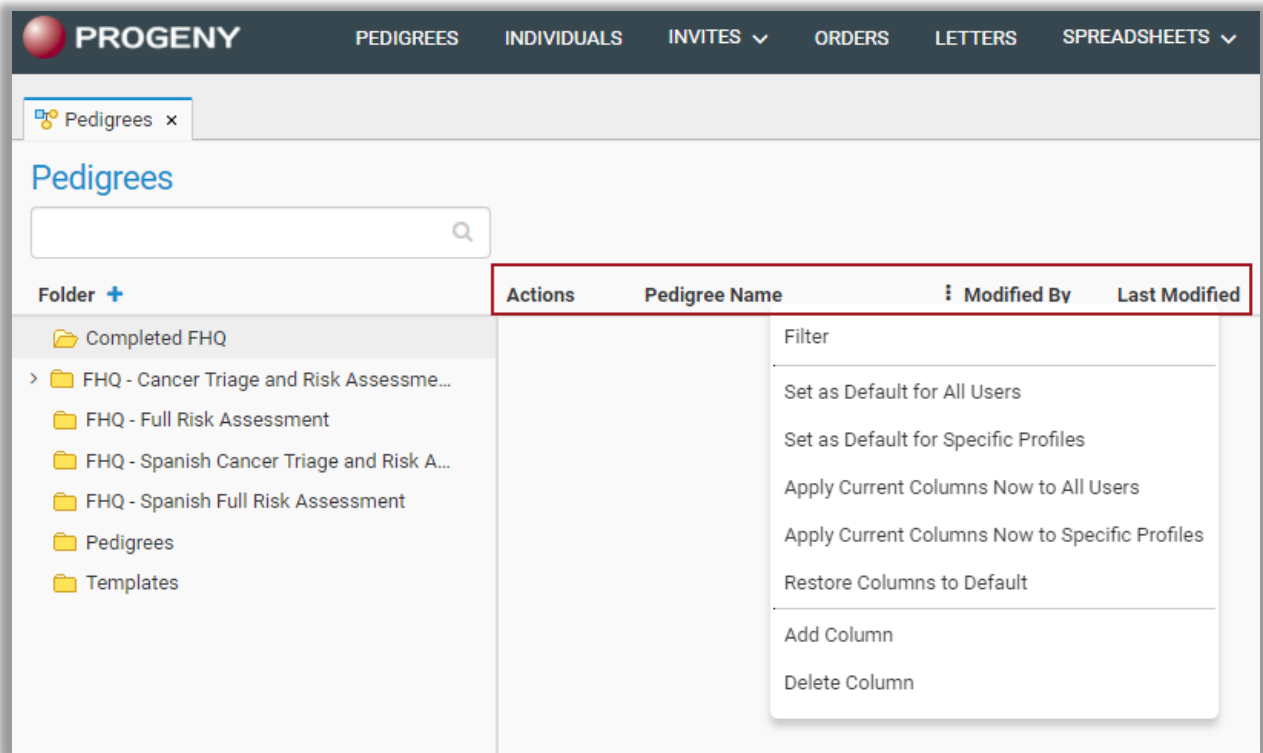
Folder Permissions

The Override Pedigree Level Security option allows the settings for the Ped Read and Ped Write to override the security settings that have been set on the pedigree level since those two options can be set per pedigree.

- Read Folder - the ability to see the pedigrees.
- Add Pedigree - the ability to add pedigrees.
- Del Pedigree - the ability to delete pedigrees.
- Modify Pedigree -the ability to modify/edit pedigrees.
- Pedigree Read - the ability to see the pedigrees. Used with the Override Pedigree Level Security option.
- Pedigree Write - the ability to the ability to modify/edit pedigrees. Used with the Override Pedigree Level Security option.

Smart Column

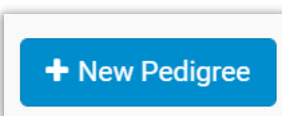
A row of uniquely chosen data fields to display on the main screen for a quick view. These fields are used to search the data quickly from the smart search feature. The search results only display the data found in the fields on the smart column.



- **Filter** – filters the view of any field in the smart column so that you can specify the criteria for that column.
- **Set as Default for All Users** - sets the column view as the default for all users.
- **Set as Default for Specific Profiles** - sets the column view as the default for the specified profiles.
- **Apply Current Columns Now to All Users** - sets the column view to be the same for all users.
- **Apply Current Columns Now to Specific Profiles** - sets the column view to be the same for the specified profiles.
- **Restore Columns to Default** - restores the columns to be the default columns.
- **Add Column** – allows you to add any field in the database as a column.
- **Delete Column** – deletes a column from the view.

New Pedigree Button

You can use the + New Pedigree button to create a new pedigree in the database.



Once clicked, you will see the Add New Family view.

Add New Family [Close]

Folder Name [Completed FHQ]

Pedigree Name []

Gender

Male

Female

[Cancel] [Launch New Questionnaire] [Draw Now] [Next]

- **Folder Name** - the location where the pedigree will be saved in.
- **Pedigree Name** - the name of the pedigree.
- **Gender** - the gender of the proband (the main person in the pedigree).
- **Launch New Questionnaire** - asks which questionnaire should be started then opens that questionnaire to be completed.
- **Draw Now** - creates the pedigree immediately with just the proband.
- **Next** - moves to the family creation wizard where you can specify how many of each family member the proband has.

Add New Family ×

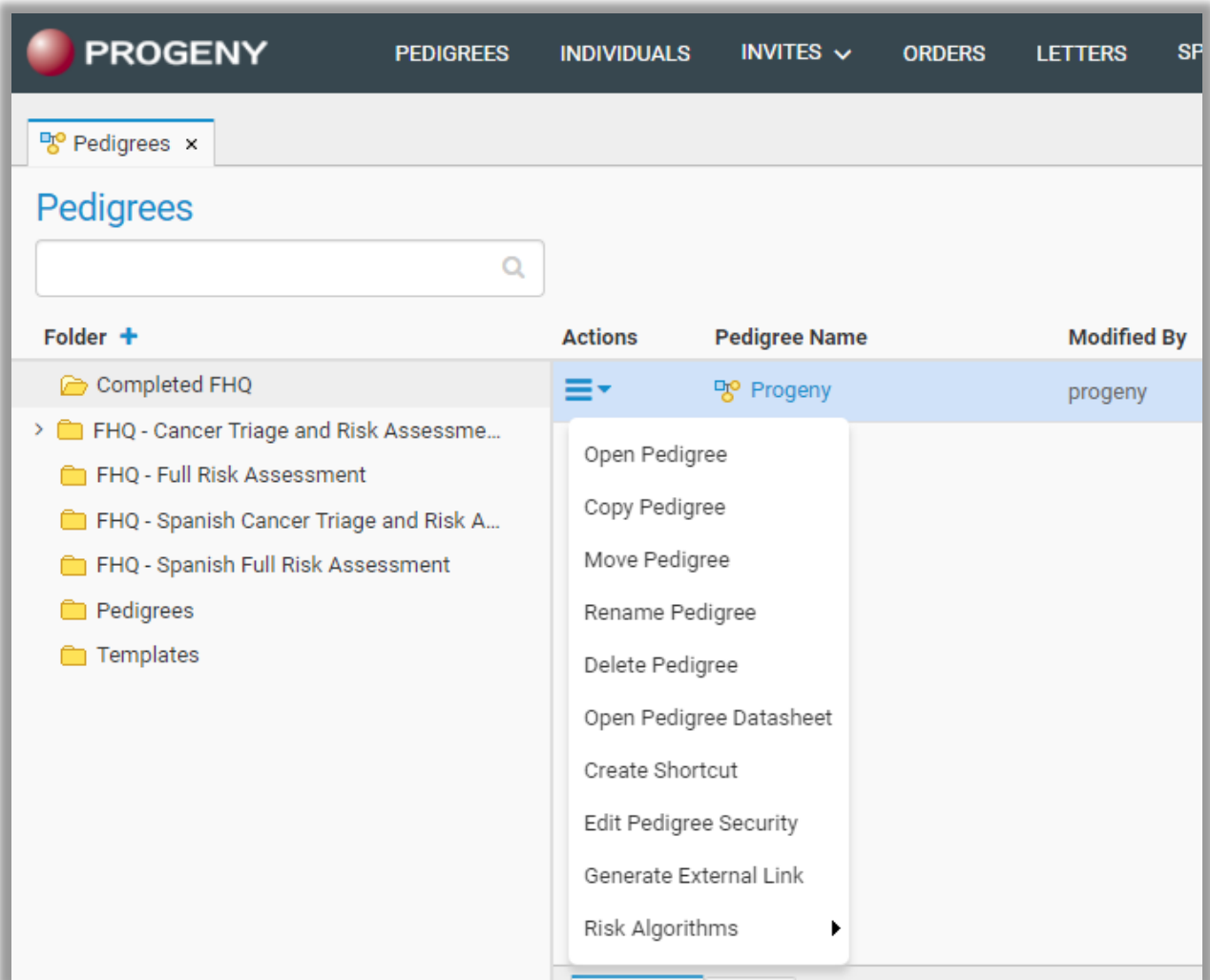
Enter the number for each Proband relative

Brothers	<input type="text" value="0"/>
Sisters	<input type="text" value="0"/>
Sons	<input type="text" value="0"/>
Daughters	<input type="text" value="0"/>
Paternal Uncles	<input type="text" value="0"/>
Paternal Aunts	<input type="text" value="0"/>
Maternal Uncles	<input type="text" value="0"/>
Maternal Aunts	<input type="text" value="0"/>

After clicking next, the pedigree will be built with all the relatives that were specified.

Pedigrees Actions Menu

The Actions Menu gives quick access to functions within the application for your clinical workflow.

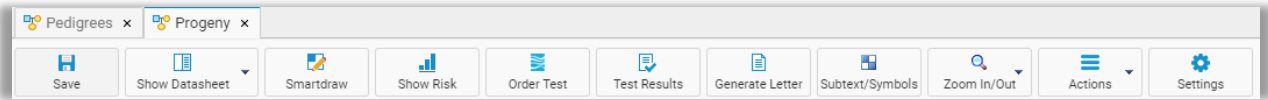


- **Open Pedigree** - opens the pedigree.
- **Copy Pedigree** - creates a copy of the pedigree in the specified folder.
- **Move Pedigree** - moves the pedigree to another folder.
- **Rename Pedigree** - renames the pedigree.
 - **Rename Individual Names** - also renames the individual names.
- **Delete Pedigree** - removes the pedigree and the individuals in that pedigree from the database.
- **Open Pedigree Datasheet** - opens the pedigree datasheet for that pedigree.
- **Create Shortcut** - creates a shortcut of the pedigree in a specified location so that changes can be made to the shortcut which also reflects on the original pedigree.
 - **Open on Save** - opens the shortcut pedigree immediately after it is created.
- **Edit Pedigree Security** - opens the pedigree permissions windows o customize the Read and write access to the specific pedigree.
- **Generate External Link** - generates a web URL link to view the pedigree.
- **Risk Algorithms** - exports pedigrees in a format for the specified Risk Algorithm
 - **CAGene**
 - **Boadicea**

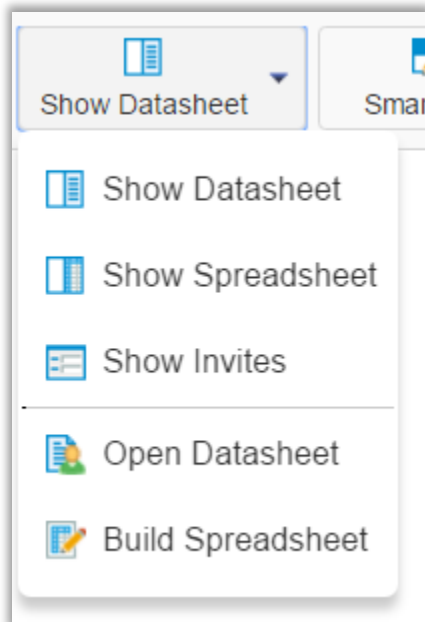
- **BRCAPro**

Pedigree View

Toolbar

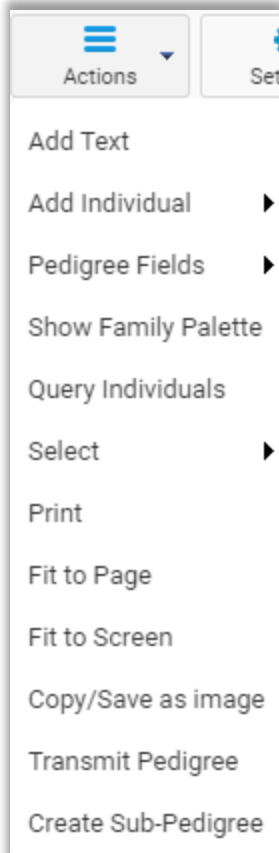


- **Save** – saves the current pedigree and any changes that were made.
- **Show Datasheet/Hide Datasheet** – shows or hides the split view datasheet for the selected individual.



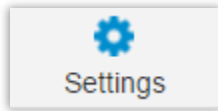
- **Show Spreadsheet/Hide Spreadsheet** - shows or hides a selected/default spreadsheet for the current pedigree.
- **Show Invites/Hide Invites** – shows or hides the invite pane for the individuals on the pedigree.
- **Open Datasheet** – opens the datasheet in full view for the selected individual.
- **Build Spreadsheet** – builds/loads a spreadsheet for the current pedigree.
- **Smartdraw** – applies the Smartdraw feature to redraw the pedigree depending on the customized Smartdraw settings.
- **Show/Hide Risk** – opens the Risk Assessment tool. [Click here for more details](#)
- **Order Test** – opens the Ambry Order iframe to order genetic tests for the selected individual.
 - **Continue with Order** – regular Ambry test order as in AP2.
 - **Continue with Pre-verification** – sends pre-verification for insurance before placing the complete order.
 - **Map Fields** – used to map the basic fields for the Ambry TRF.
- **Test Results** - opens the new Test Results Module where genetic testing data can be entered.
- **Generate Letter** – generates a letter for the selected individual based on the letter template selected.

- **Subtext/Symbols** - opens the Subtext and Symbols management interface to customize those formats.
- **Zoom In/Out** - changes the zoom level.
- **Actions** – shows a menu of different actions to perform.

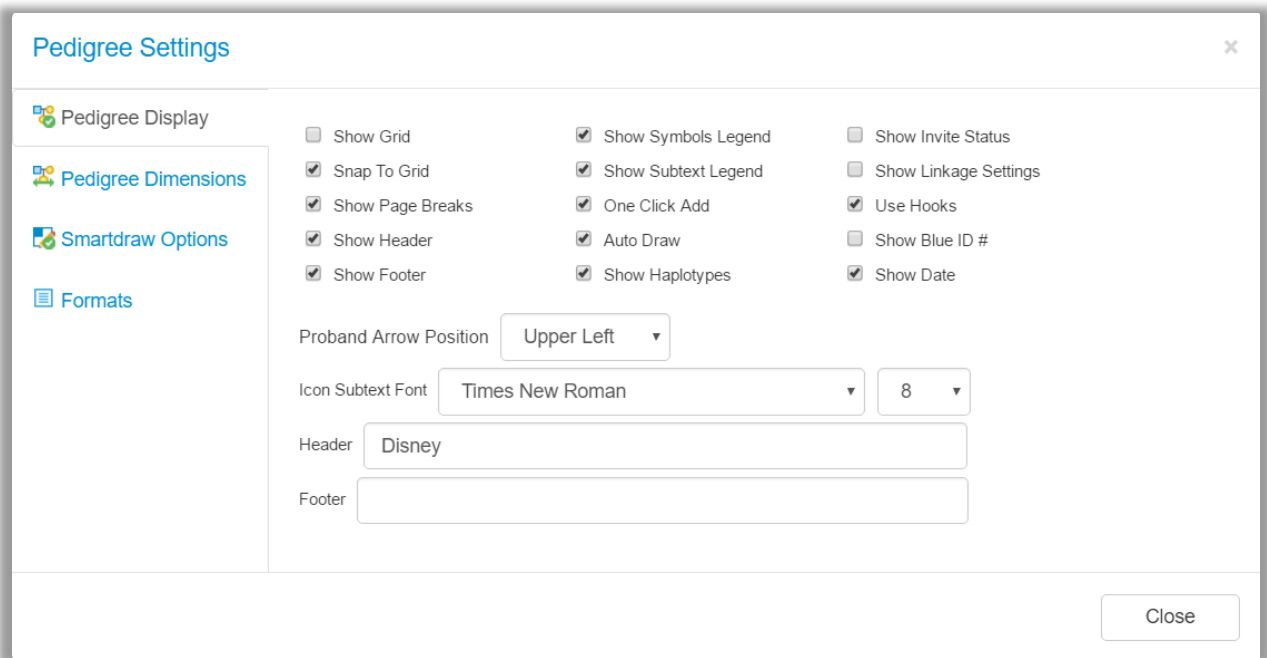


- **Add Text** – adds a customized pedigree text.
- **Add Individual** – adds a male or female to the pedigree canvas.
- **Pedigree Fields** - manage the pedigree fields formats for the fields that are shown on the pedigree canvas.
- **Show Family Palette** – displays the family palette to add individuals to the pedigree.
- **Query Individuals** – displays the individuals on the pedigree based on the specified query.
- **Select** – selects the specified family relationship on the pedigree.
- **Print** – prints the pedigree based on the selected orientation, page size, and print settings.
- **Fit to Page** – fits the pedigree on the pedigree canvas based on the selected orientation, page size, and margins.
- **Fit to Screen** - fits the pedigree view to the entire screen area.
- **Copy/Save as image** – opens the image in an iframe to allow right clicking to copy/save the pedigree as an image.
- **Transmit Pedigree** – transmits the pedigree to an EMR (if configured).
- **Create Sub-pedigree** – creates a sub pedigree of the selected individual(s) in the specified folder.

- **Settings** – different options for customizing the Pedigree Display, Pedigree Dimensions, Smartdraw options, and Formats.

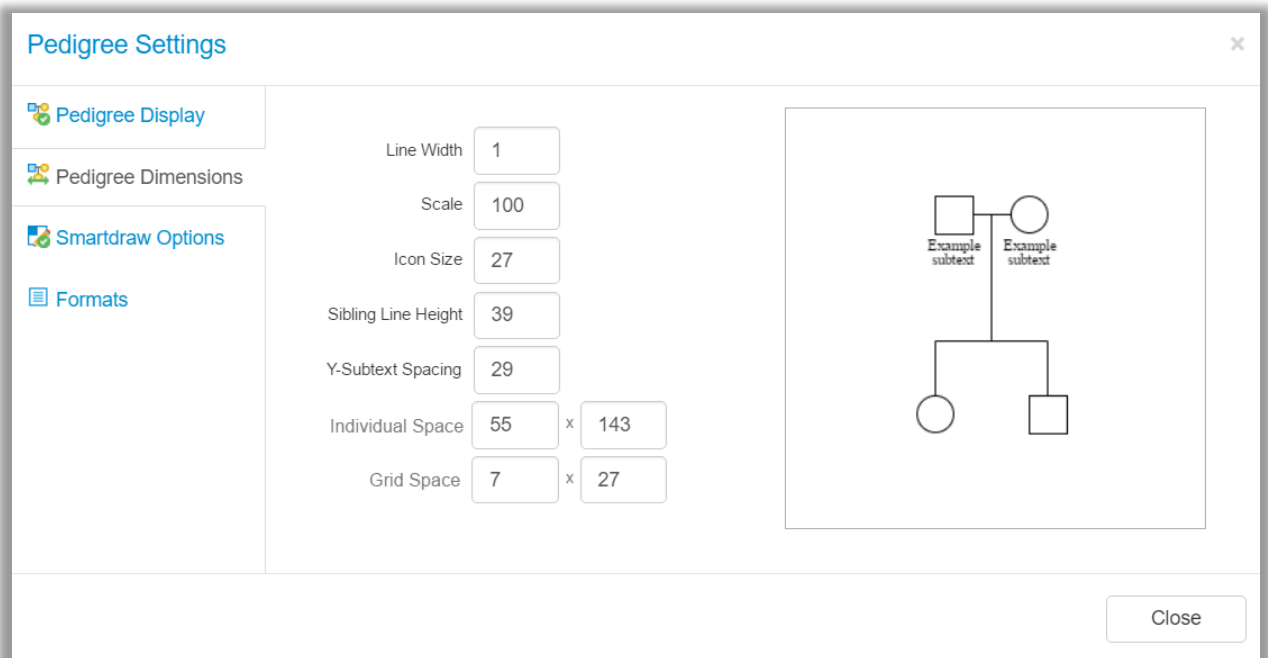


- **Pedigree Display** – customizes the display on the pedigree canvas.

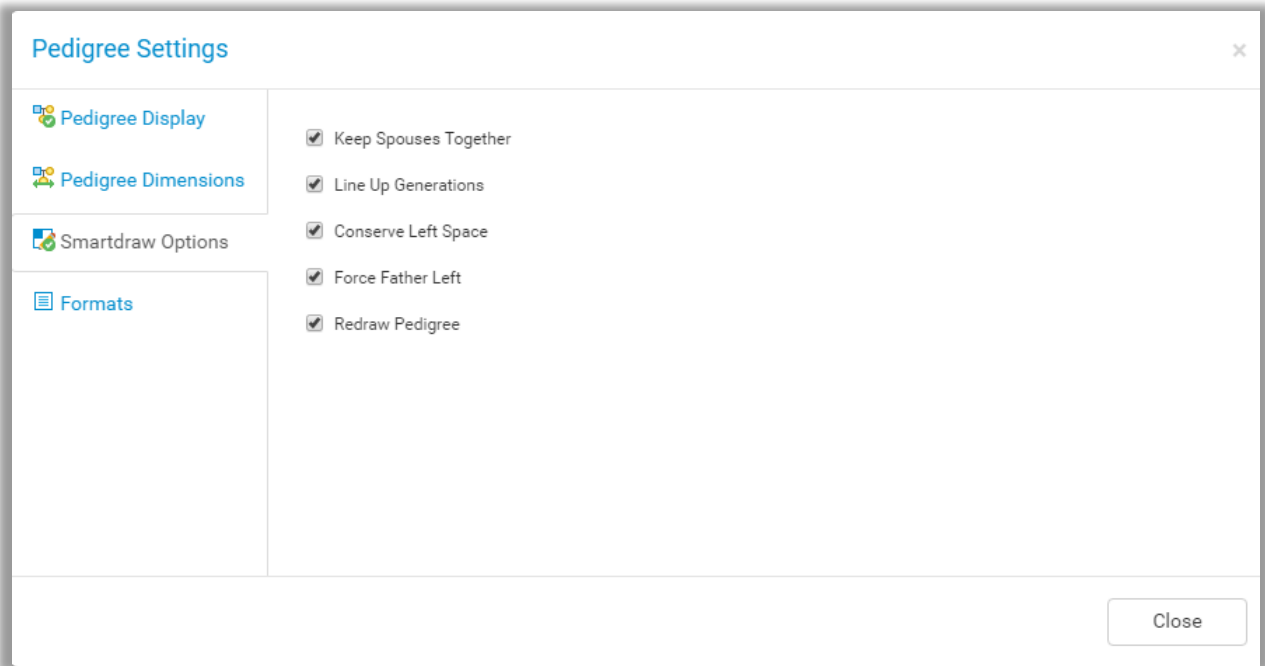


- **Show Grid** – displays a grid on the pedigree canvas.
- **Snap to Grid** – snaps the individuals on the pedigree to the edges of the grid lines.
- **Show Page Breaks** – displays the print boundaries as dashed blue lines.
- **Show Header** – displays the header on the pedigree canvas.
- **Show Footer** – displays the footer on the pedigree canvas.
- **Show Symbols Legend** – displays the symbols legend for the specified symbol format.
- **Show Subtext Legend** – displays the subtext legend for the specified subtext format.
- **One Click Add** – activates the one-click add features (the yellow triangles around an individual when selected).
- **Auto Draw** – automatically runs Smartdraw on the pedigree when new individuals are added to the pedigree.
- **Show Haplotypes** – displays a colored-coded legend for markers that are displayed on a pedigree.
- **Show Invite Status** – displays the invite status for individuals on the pedigree.
- **Show Linkage Settings** – displays the linkage sample status on the pedigree (Sample/Plate/Genotype) and shows whether an individual has been “Included in Analysis”.

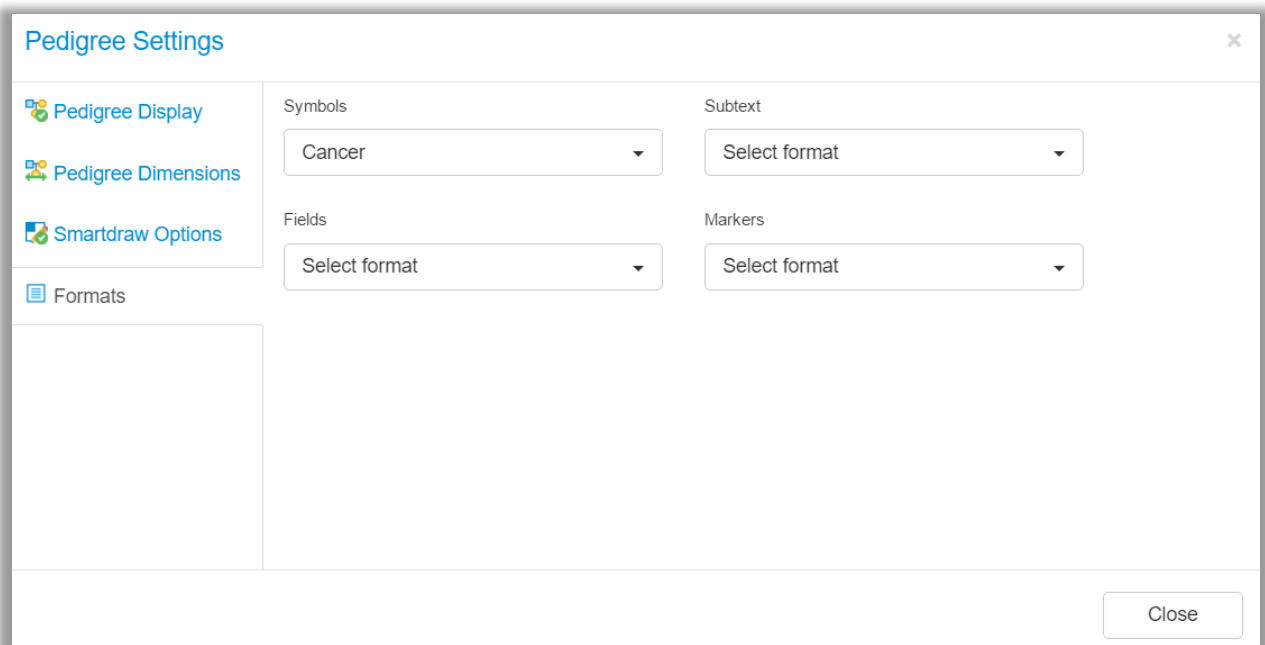
- **Use Hooks** – enables the Hooks feature to improve the visual appearance of intersecting relationship lines.
 - **Show Blue ID #** - displays the numerical order, from left to right, for everyone in their generation.
 - **Show Date** – displays the date in the upper left corner of the pedigree canvas.
 - **Proband Arrow Position** – changes the position of the proband arrow on the pedigree canvas.
 - **Icon Subtext Font** – changes the font and font size for the pedigree subtext.
 - **Header** – changes the header text.
 - **Footer** – changes the footer text.
- **Pedigree Dimensions** – changes the dimensions of the pedigree.



- **Line Width** – changes the width of the relationship lines.
 - **Scale** – changes the magnification level of the pedigree.
 - **Icon Size** – changes the size of the individual icons.
 - **Sibling Line Height** – changes the height of the sibling relationship line.
 - **Y-Subtext Spacing** – changes the vertical spacing for the subtext.
 - **Individual Space** – changes the spacing between individuals.
 - **Grid Space** – changes the width and height of the grid.
- **Smartdraw Options** – customizes the options for the Smartdraw feature.

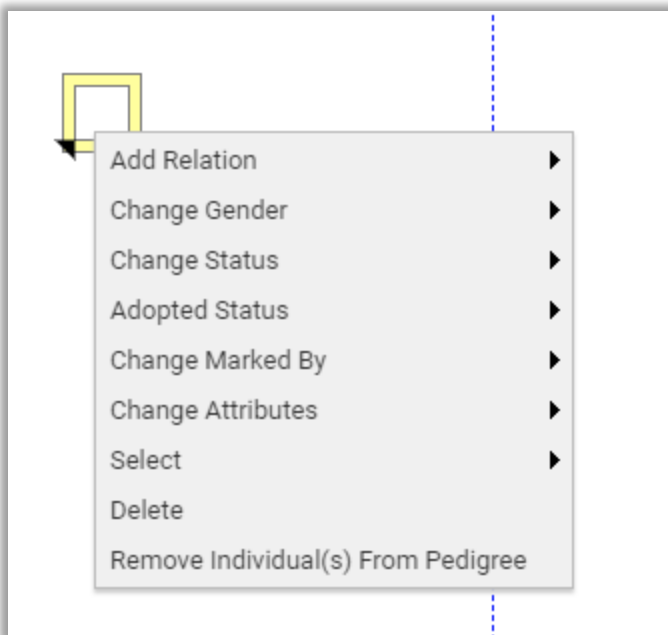


- **Keep Spouses Together** – lines up spouses evenly next to each other.
- **Line Up Generations** – lines up individuals on the same generation horizontally.
- **Conserve Left Space** – moves the pedigree as far left on the pedigree canvas.
- **Force Father Left** – keeps the father of a relationship to the left of the mother.
- **Redraw Pedigree** – redraws the pedigree to best fit on the pedigree canvas.
- **Formats** – select the different formats for the symbols, pedigree fields, markers, and subtext.



Individual right-click Menu

Displayed by right-clicking on Individual on the pedigree.

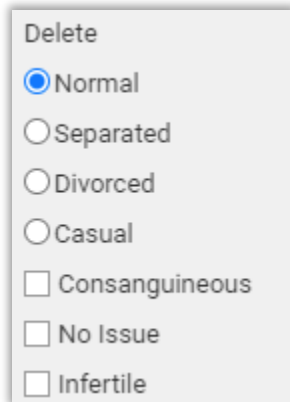


- **Add Relation** – adds a relationship to the selected individual.
- **Change Gender** – changes the gender of the selected individual.
- **Change Status** – changes the vital status.
- **Adopted Status** – changes the adopted status.
- **Change Marked By** – adds a (*) (+) (-) symbol to the selected individual.
- **Change Attributes** – other options to change proband, no issues, infertile, SAB (spontaneous abortion), and enter a customized Icon Text.
- **Select** – selects the specified family relationship(s).
- **Delete** – permanently removes the individual from the database.
- **Remove Individual(s) From Pedigree** – removes the individual from the pedigree and prompts which location to save the individual.

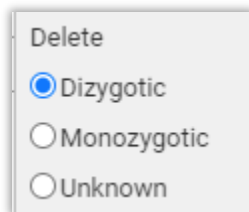
Relationship Line Menu

- Select the relationship line between two individuals, you will see two yellow boxes on opposite sides of the line, connecting the two individuals.
- Right-click the selected line (only applies to spouse or twin relationship lines).

- Spouse options

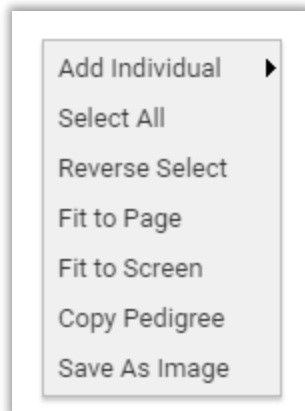


- Twin options



Pedigree Canvas right-click Menu

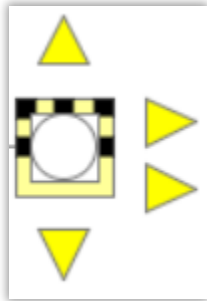
Right-click with your mouse anywhere on the empty space of the Pedigree screen to open the right-click menu.



- **Add Individual** – adds a male or female to the pedigree.
- **Select All** – selects all individuals on the pedigree.
- **Reverse Select** – selects everyone that is not selected and de-select those that were selected.
- **Fit to Page** – fits the pedigree on the specified page orientation as well as paper size along with other options for adjusting the margins.
- **Fit to Screen** - fits the pedigree view to the entire screen area.
- **Copy Pedigree** – allows copying of the pedigree to paste elsewhere.

- **Save As Image** – allows saving the pedigree as an image file.

One-click add



- **Top arrow** – left click to add a father and right click to add a mother.
- **Top right arrow** – left click to add a brother, right click to add a sister, and hold ctrl and click to add a twin.
- **Bottom right arrow** – left or right click to add a spouse.
- **Bottom arrow** – left click to add a son and right click to add a daughter.

Pedigree Data Fields

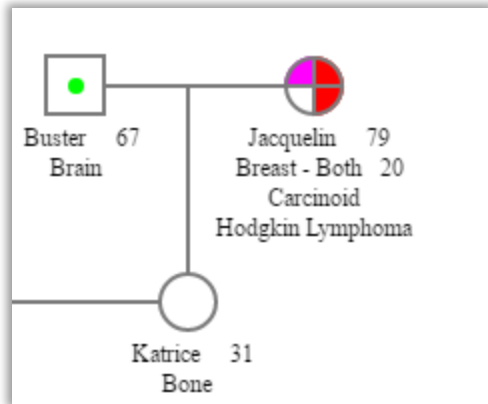
Data Fields displayed on the pedigree are also called Pedigree Drop Fields. These fields are pedigree level and usually displays data about the pedigree. Pedigree Drop Fields are very dynamic and customizable.



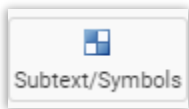
Subtext and Symbols

Subtext

This text is found under everyone and can be edited in the Individual Datasheet. Subtext can be customized to display data on the pedigree from any fields in the database.



To customize the subtext, you would need to click on the Subtext/Symbols button on the Pedigree toolbar.



For this section, you can customize what fields will appear as subtext on the pedigree canvas.

Subtext Symbols

Apply Delete Load Save Save As Fields Export Import

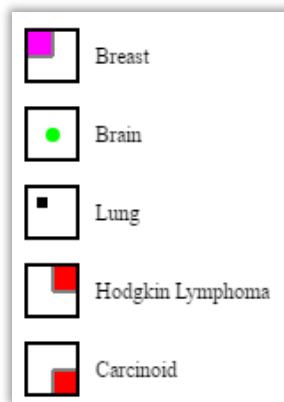
Row	Order		Field Name
1	0		Core Fields\Computed Fields\Subtext Curren...
1	1		Core Fields\PHI\Name: First
2	0		Core Fields\Medical History\Breast\Triple Neg
3	0		Core Fields\Computed Fields\Subtext colon ...
4	0		Results
5	0		Core Fields\Family History\Other History?

- **Apply** - applies the subtext format to the current pedigree.
- **Delete** - deletes the subtext item row that is selected.
- **Load** - loads another subtext format.

- **Save** - saves the current subtext format.
- **Save As** - saves the current subtext and specifies if it should be saved as another subtext format.
- **Fields** - displays the fields that can be chosen.
- **Export** - exports the specified subtext format to an xml file.
- **Import** - imports a subtext format from an xml file.

Symbols Legend

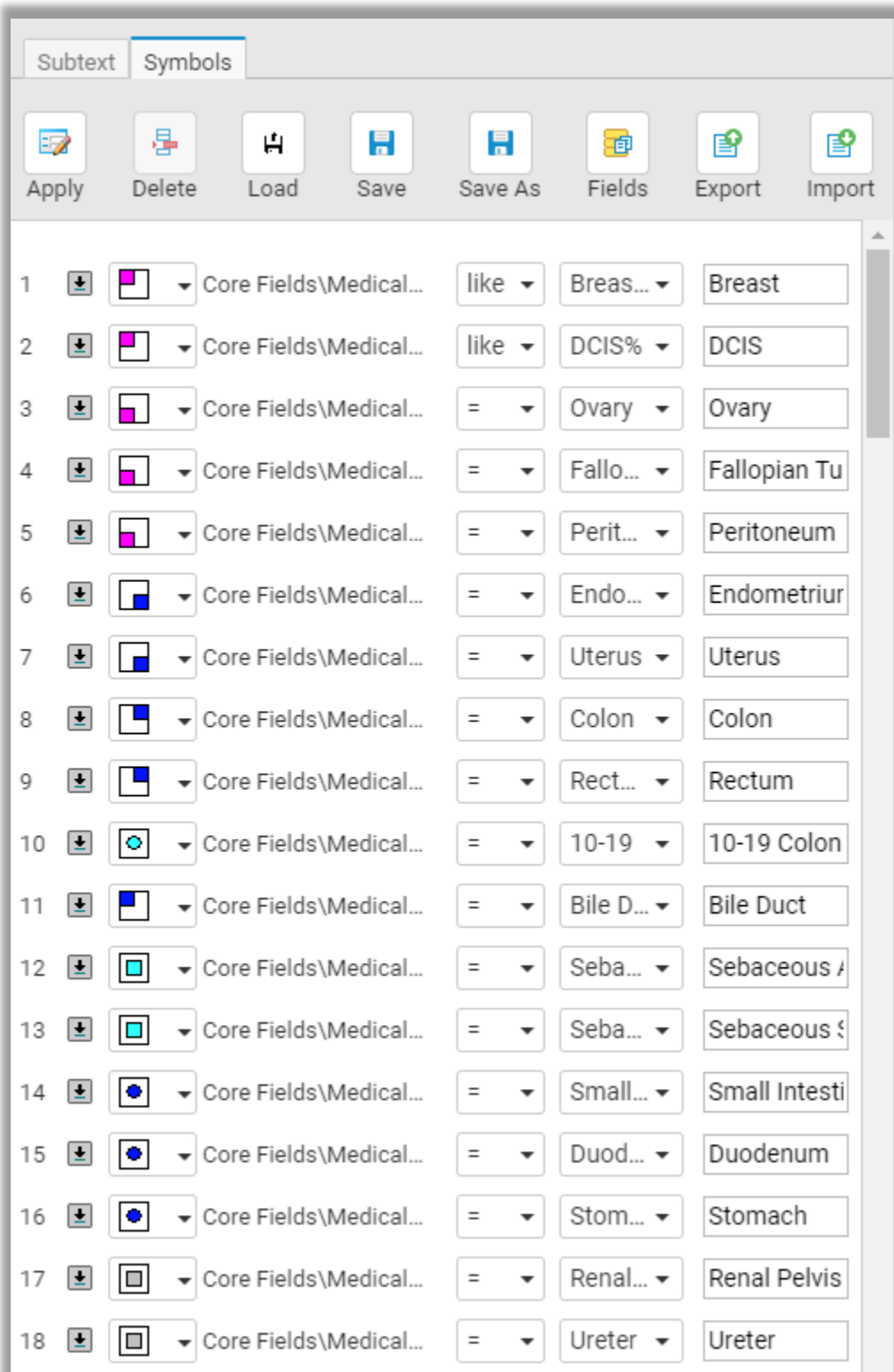
This legend auto-populates as you add cancers and/or disease that are predefined within the symbols. Pedigree symbols can be customized and used with various data fields to display symbols on the Pedigree. To add a cancer to an individual, see Individual Datasheet for more details.



To customize the symbols, you would need to click on the Subtext/Symbols button on the Pedigree toolbar.



For this section, you can customize what symbols will appear as icons within an individual on the pedigree canvas.

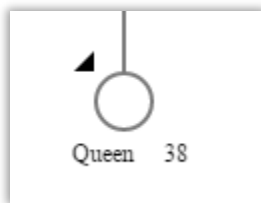


- **Apply** - applies the symbols format to the current pedigree.
- **Delete** - delete the symbol item row that is selected.

- **Load** - loads another symbol format.
- **Save** - saves the current symbol format.
- **Save As** - saves the current symbol and specifies if it should be saved as another symbol format.
- **Fields** - displays the fields that can be chosen.
- **Export** - exports the specified symbol format to an xml file.
- **Import** - imports a symbol format from an xml file.

Proband

The person serving as the starting point for the genetic study of a family is the Proband and is marked with a black arrow on the pedigree.



Cancer Risk Assessment

Did you know that you can run validated hereditary cancer risk assessment models at the touch of a button without re-entering data and generate custom queries and spreadsheets on this data?

Progeny Clinical includes validated risk assessment models to calculate 5-year and lifetime cancer risk, as well as gene mutation probabilities for any member of the pedigree. Any missing or invalid data needed to run these models are automatically showed for you. Risk calculations can be easily saved and timestamped or generated as a .pdf at any time.

First, click the Show Risk button on the Pedigree Toolbar to open the Risk Models screen:

The screenshot displays the Progeny software interface. At the top, there are two tabs: "Pedigrees x" and "Progeny x". Below the tabs is a toolbar with several buttons: "Save", "Show Datasheet", "Smartdraw", "Show Risk", "Order Test", and "Test Results". A red arrow points from the left towards the "Show Risk" button. Below the toolbar, there are two columns labeled "Paternal Ancestry" and "Maternal Ancestry", which are currently empty. In the center of the interface is a pedigree chart. The chart shows a family structure: a male and a female at the top level are connected by a horizontal line. A vertical line descends from the center of this line to a horizontal line, which connects to three individuals: a male, a female, and a female. The middle female is connected to another male and female, and this pair is labeled "Progeny" with an arrow pointing to their offspring. The "Progeny" offspring consists of a male and a female.

The screenshot displays the Progeny software interface. On the left, there is a sidebar with a 'Calculate' button and a table of cancer risk models. The table lists various models and their 5-year and lifetime risks. On the right, a pedigree chart shows a family structure with a highlighted individual labeled 'Progeny 43'.

	5YR	LIFE
BREAST		
GAIL	0.72%	9.89%
CLAUS	NA	NA
BRCAPRO	0.77%	10.67%
TYRER-CUZICK	0.88%	11.02%
OVARIAN		
BRCAPRO	0.07%	1.22%
COLORECTAL		
MMRPRO	0.09%	3.16%
ENDOMETRIAL		
MMRPRO	0.08%	1.94%
MELANOMA		
MELAPRO	0.20%	1.76%
PANCREATIC		
PANCPRO	0.01%	1.29%

Features:

- The cogwheel is used to customize which risk models to run.
- **Calculate** - calculates the configured risk model(s).
- **Save Report/Delete Report** – saves/deletes the risk report which can also be downloaded and/or printed as a PDF.
- The available risk models include BRCAPro, MMRPro, PancPro, MelaPro, Tyrer-Cuzick, Pemm, Gail, and Claus.

Criteria and Risk Settings
✕

Criteria:

Determine criteria for referral/testing

Risk Assessment Models:

<input checked="" type="checkbox"/> BRCAPro	<input checked="" type="checkbox"/> Tyrer-Cuzick
<input checked="" type="checkbox"/> MMRPro	<input checked="" type="checkbox"/> Premm
<input checked="" type="checkbox"/> PancPro	<input checked="" type="checkbox"/> Gail
<input checked="" type="checkbox"/> MelaPro	<input checked="" type="checkbox"/> Claus

Use Competing Mortality for Tyrer-Cuzick

Include data inputs in reports

Only models that have been configured can be chosen. [Configure Risk Models](#)

Risk Threshold: % Cancer % Mutation

Do not show each time 'Calculate' is checked

- **Use Competing Mortality for Tyrer-Cuzick** - uses the additional feature for the Tyrer-Cuzick risk model which includes other risk factors in the calculation.
- **Include data inputs in reports** – displays the data inputs that are used for the calculation in the PDF report.
- **Configure Risk Models** - configured the mapping of the Risk fields. This can only be managed and seen by administrative users.
- **Risk Threshold** - specifies what risk calculation percent will be highlighted in red once that threshold is reached.
 - **Cancer**
 - **Mutation**
- **Do not show each time 'Calculate' is checked** – specifies that the only way to reach the risk settings is by clicking the cog wheel instead of showing the settings every time the Calculate button is clicked.

Risk Assessment Results

Meets Criteria ▼		
Proband does not meet criteria.		
Validation Errors >		
Cancer Risk 9 ▼		
BREAST	5YR	LIFE
BRCAPRO	1.39%	9.34%
GAIL	1.19%	8.31%
CLAUS	NA	NA
TYRER-CUZICK	1.48%	8.85%
OVARIAN		
BRCAPRO	0.15%	1.11%
COLORECTAL		
MMRPRO	0.27%	3.18%
ENDOMETRIAL		
MMRPRO	0.28%	1.74%
MELANOMA		
MELAPRO	0.23%	1.38%
PANCREATIC		
PANCPRO	0.06%	1.52%

Mutation Probabilities		16	▼
BRCAPRO			%
BRCA1		0.06%	
BRCA2		0.09%	
ANY		0.14%	
TYRER-CUZICK			
BRCA1		0.03%	
BRCA2		0.08%	
ANY		0.11%	
MMRPRO			
MLH1		0.05%	
MSH2		0.06%	
MSH6		0.02%	
ANY		0.14%	
MELAPRO			
ANY		0.01%	
PANCPRO			
ANY		0.65%	
PREMM			
MLH1		0.30%	
MSH2		0.33%	
MSH6		0.33%	
ANY		0.96%	

- **Meets Criteria** - displays if the patient meets criterial for referral/testing.
- **Validation Errors** – shows if you have missing or invalid data for an individual.
- **Cancer Risk** – 5-year and lifetime cancer risk
- **Mutation Probabilities** – All mutation probabilities are displayed here.

Test Results

The Test Results module is used to track the Genetic testing information for patients.

Test Details

Enter tests and results from labs below. Tests from Ambry Genetics can be synced.

Lab

Test

Submitted Date

Reported Date

Reclass Date

Status

Result

Document

Notes

Gene	Variant	Classification	Prior Classification
------	---------	----------------	----------------------

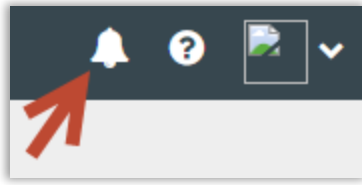
+ Add Row x Delete Row

Cancel Save

- **Lab** - the lab for where the testing took place.
- **Test** - the panel or name of the test.
- **Submitted Date** - date the test was submitted.
- **Reported Date** - date the test results were reported.
- **Reclass Date** - date of reclassification of the gene(s).
- **Status** - the status of the test.
- **Result** - the results of the test.
- **Document** - documents can be attached that are related to the test.
- **Notes** - notes regarding the test.
- **Genes** - the genes that were tested. Genes can be manually removed and added using the Add Row and Delete Row buttons.

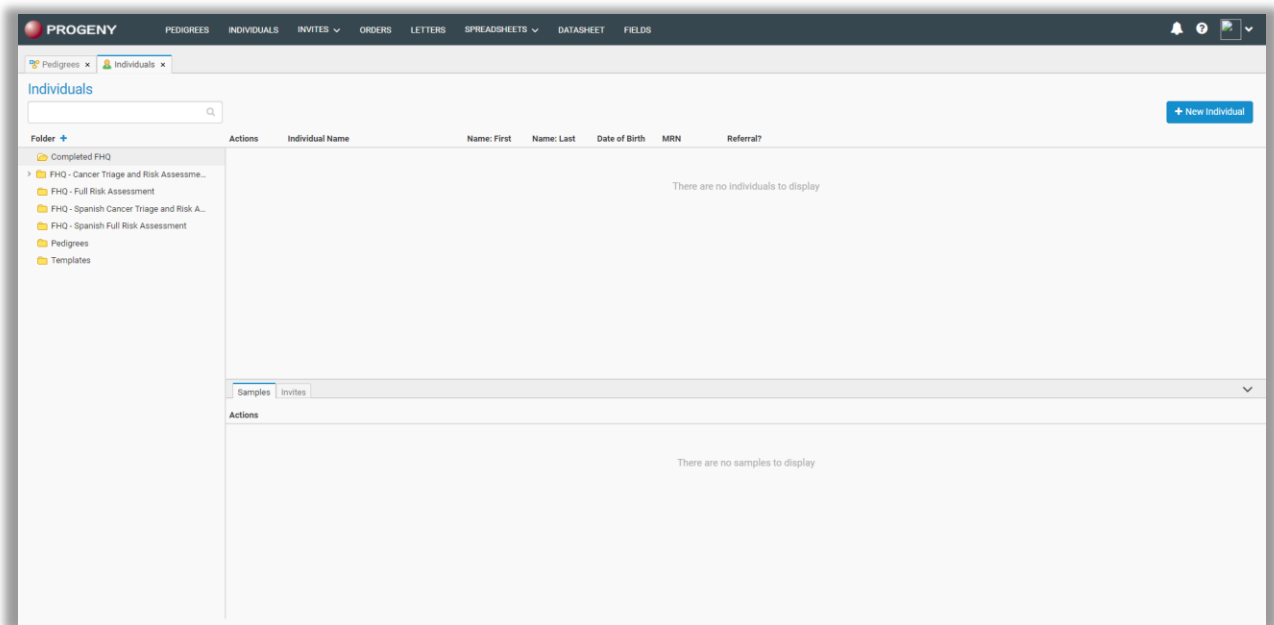
Notifications

Whenever updates to Test Results have been made due to updates received from Ambry Port, the notification bell in the User Interface would display a red number, specifying how many new updates have been made. To see those updates, click the bell on the User Interface next to the Help button, then click on the Test Results that are shown to see that specific update.



Individuals Module

An individual is a single, distinct entity for which data is collected according to an approved protocol. Managing individuals in Progeny consists of creating, copying, moving, and removing individuals, and changing the individual datasheet.



Creating Individuals

To add individuals to your database without attaching them to a pedigree, select the Individuals module from the Navigation Bar. An individual who is not part of a pedigree is referred to as a Singlet. After creating a singlet, the singlet can be moved to an existing pedigree or to a new pedigree.

On the Individuals dashboard, click the New Individual button.



The Add New Individual dialogue box opens. Enter the name of the new individual, select the gender for the individual, then select the data folder to which the individual is being added. A message shows the individual was successfully created. You can also choose to open the individual's datasheet immediately after they are created.

Add New Individual [Close]

Individual Name Open on Save

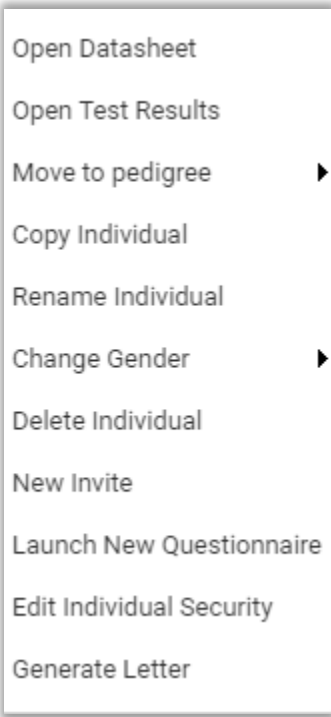
Gender

Male Female Unknown

- Web.Progeny
 - Completed FHQ
 - FHQ - Cancer Triage and Risk Assessment
 - FHQ - Full Risk Assessment
 - FHQ - Spanish Cancer Triage and Risk Assessment
 - FHQ - Spanish Full Risk Assessment
 - Pedigrees
 - Templates

Individuals Actions Menu

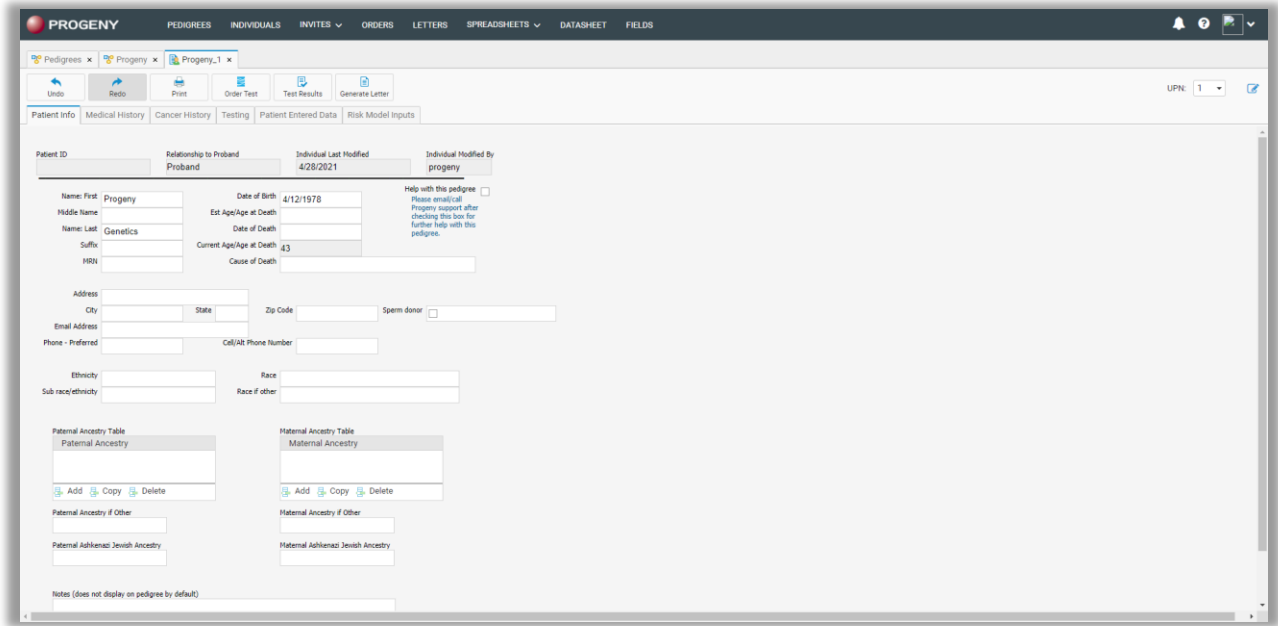
Some of the action menu items can only be shown for a Singlet individual as opposed to individuals already attached to a pedigree.



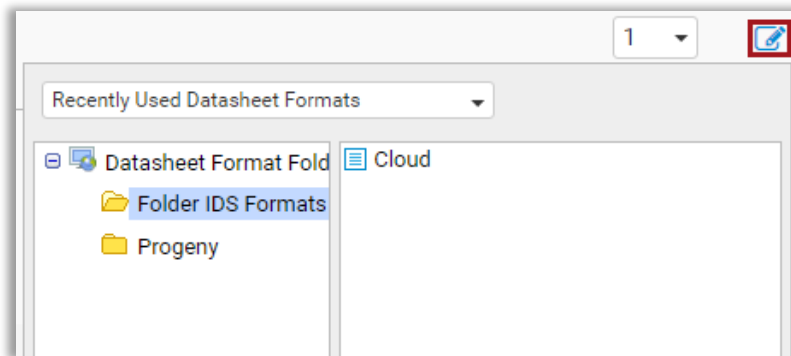
- **Open Datasheet** - opens the datasheet for the individual.
- **Open Test Results** - opens the Test Results for the individual.
- **Move to pedigree** - moves the individual to a pedigree.
 - **Existing Pedigree**
 - **New pedigree**
- **Copy Individual** - copies the individual.
- **Rename Individual** - renames the individual.
- **Change Gender** - changes the individual's gender.
- **Delete Individual** - delete the individual from the database.
- **New Invite** - send a new invitation.
- **Launch New Questionnaire** - launches a new invitation for the individual where the clinician can complete it.
- **Edit Individual Security** - edits the Read and Write permissions for the specified individual.
- **Generate Letter** - generates a letter for the individual.

Individual Datasheet

The individual datasheet is used to enter and store information about individuals in the Progeny database. An Individual datasheet can have individual database fields, pedigree database fields, and marker database fields. Datasheets are built from within the Progeny Desktop (Fat) client then saved as a format (like a template). This format can now be applied to other individuals or folders within Progeny.



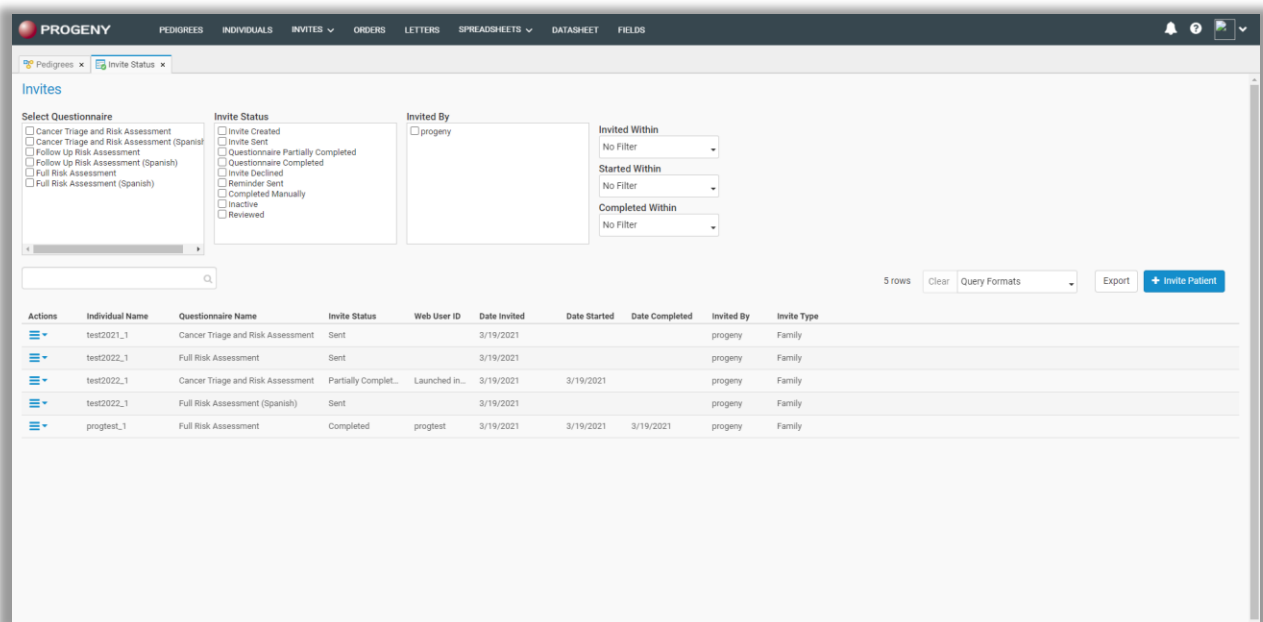
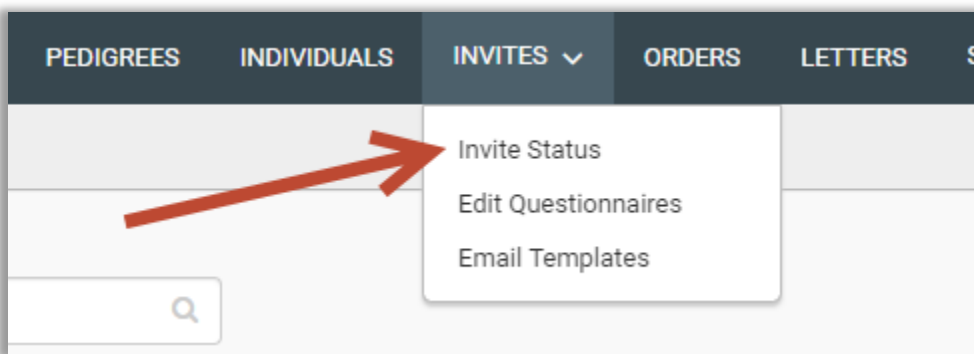
Applying Individual Datasheet Formats



Click an individual in the Individuals module or double-click an individual in a pedigree. The datasheet opens. In the upper right corner of that window is a blue icon that looks like a pencil and paper. Select the containing folder then the desired format. Once selected the individual datasheet opens this format.

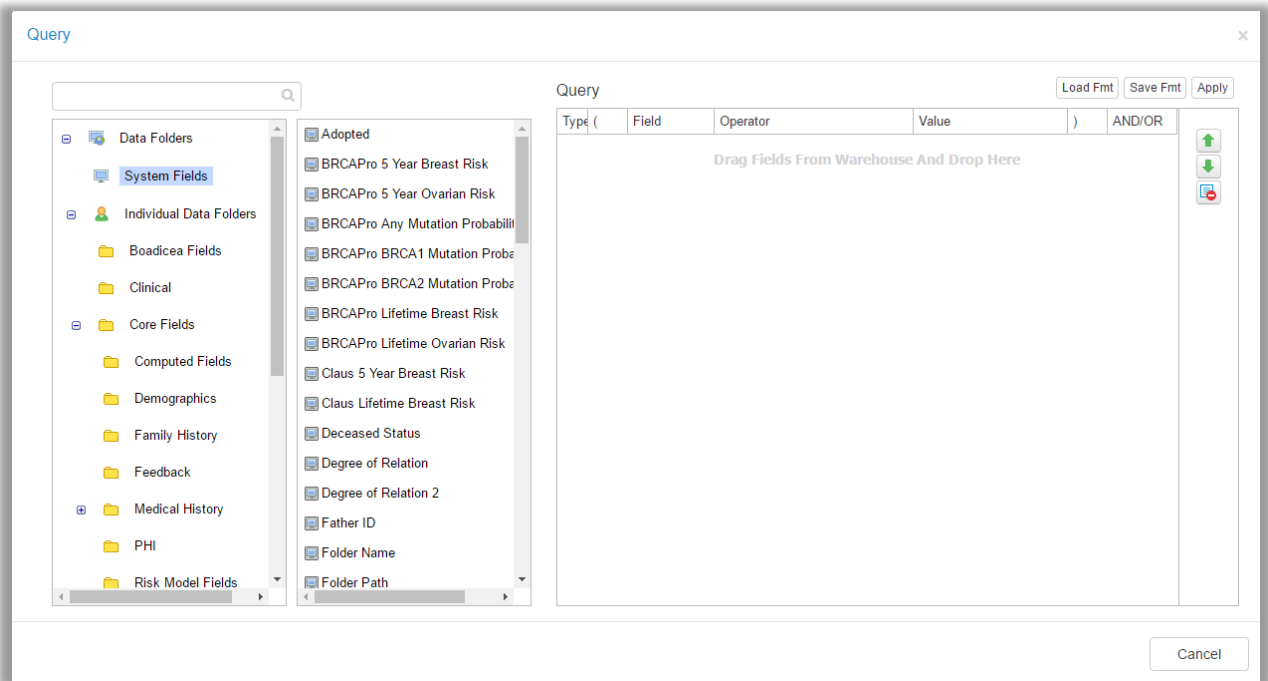
Invites – Family History Questionnaire

Invite Status

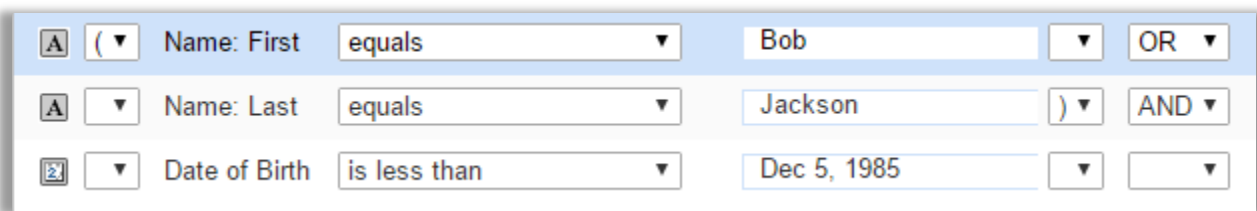


- Select Questionnaire - Here you select the questionnaire(s) to view all invitations for the selected questionnaire(s) in the view pane at the bottom of the page.
- Invite Status - You can sort the view of invitations to view invitations with the specified status.
 - **Invite Created** – the invitation has been created successfully.
 - **Invite Sent** – the invitation has been sent successfully.
 - **Questionnaire Partially Completed** – the questionnaire has been started and the user has clicked on the 'Save, Finish Later' button in the questionnaire.
 - **Questionnaire Completed** – the questionnaire has been completed.
 - **Invite Declined** – when the Terms of Use has not been accepted or the consent page has been set for your questionnaire.
 - **Reminder Sent** – a reminder has been sent.
 - **Completed Manually** – an invite status that was manually set to 'Completed Manually'.
 - **Inactive** - an invite status that has been manually set to 'Inactive'.

- **Reviewed** - an invite status that has been manually set to 'Reviewed'.
- **Invited By** - Here you can sort the view of the invitations based on a specific user that sent the invitation.
- **Invited Within** - You can filter the view of invitations by the number of weeks/days that the patient was invited within.
- **Started Within** - You can filter the view of invitations by the number of weeks/days that the questionnaire was started within.
- **Completed Within** - You can filter the view of invitations by the number of weeks/days that the questionnaire was completed within.
- **Query Formats** - You can filter the view of the invitations even further by selecting the Query Formats drop-down and selecting to either load a saved query format or create a new query.

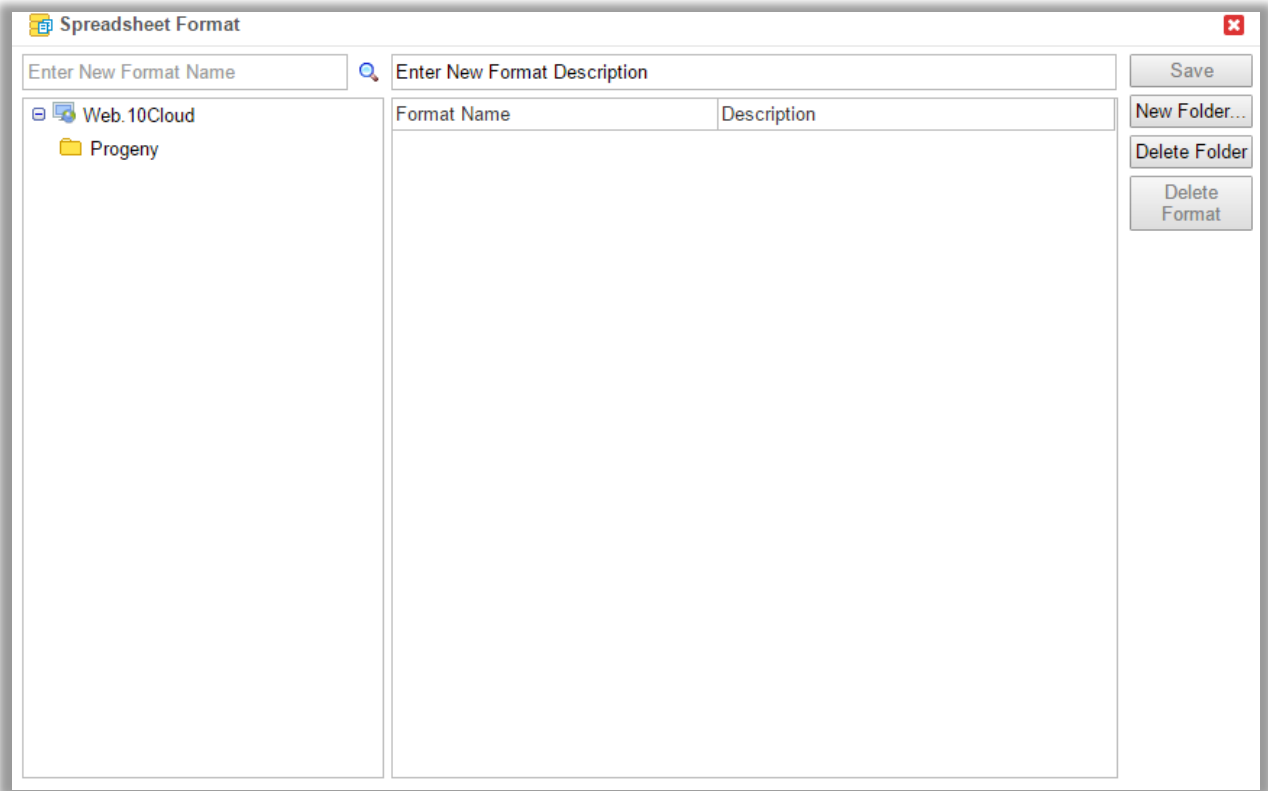


You can select any field in the database by using the folders in the left pane and then drag to drop the field into the right Query pane. Once you have the field in the Query pane, you can then specify the operator and value. This Query pane allows the creations of complex queries which can include multiple fields with different values as well as using 'AND/OR' to specify multiple conditions.

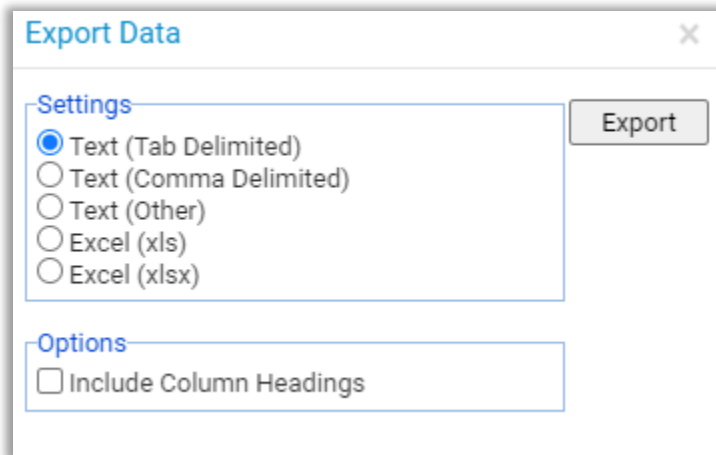


Once you are completed with specifying the query filter, you can then choose to save the format which will then open another window asking to select the folder to save the format in, give the format a name,

delete a format from the selected folder, delete the selected format folder if it is empty, and optionally, give the format a description. After the format is saved, you can then click Apply to run the query to filter the invitations' view.



- Export - exports the invites view into a file format that is specified.



- Invite Patient - Here you can click to invite a patient to fill out the FHQ. The first step would be to select which questionnaire to send to the patient.

Invite Patient to the Questionnaire

Select a Questionnaire you want to invite patients to

Questionnaire Name	Datasheet Format Name
<input type="checkbox"/> Cancer Triage and Risk Assess	CTRA Template
<input type="checkbox"/> Cancer Triage and Risk Assess	CTRA Template Spanish
<input type="checkbox"/> Follow Up Risk Assessment	Full Risk Assessment
<input type="checkbox"/> Follow Up Risk Assessment (Sp	Full Risk Assessment Spanish
<input type="checkbox"/> Full Risk Assessment	Full Risk Assessment
<input type="checkbox"/> Full Risk Assessment (Spanish)	Full Risk Assessment Spanish

Cancel Next

Invite Patient to the Questionnaire

Who would you like to invite?

New Patient

New Patient

Existing patient or relative

Individual

Members of one family

Patients who meet specific criteria

Cancel Previous Next

Invite new Patient – invites a new patient that is not in the Progeny database.

You will then be asked which folder to save the pedigree in, the name of the pedigree, the gender of the proband, and the email to send the questionnaire to.

Invite Patient to the Questionnaire

Folder Name

Pedigree Name

Gender Male Female

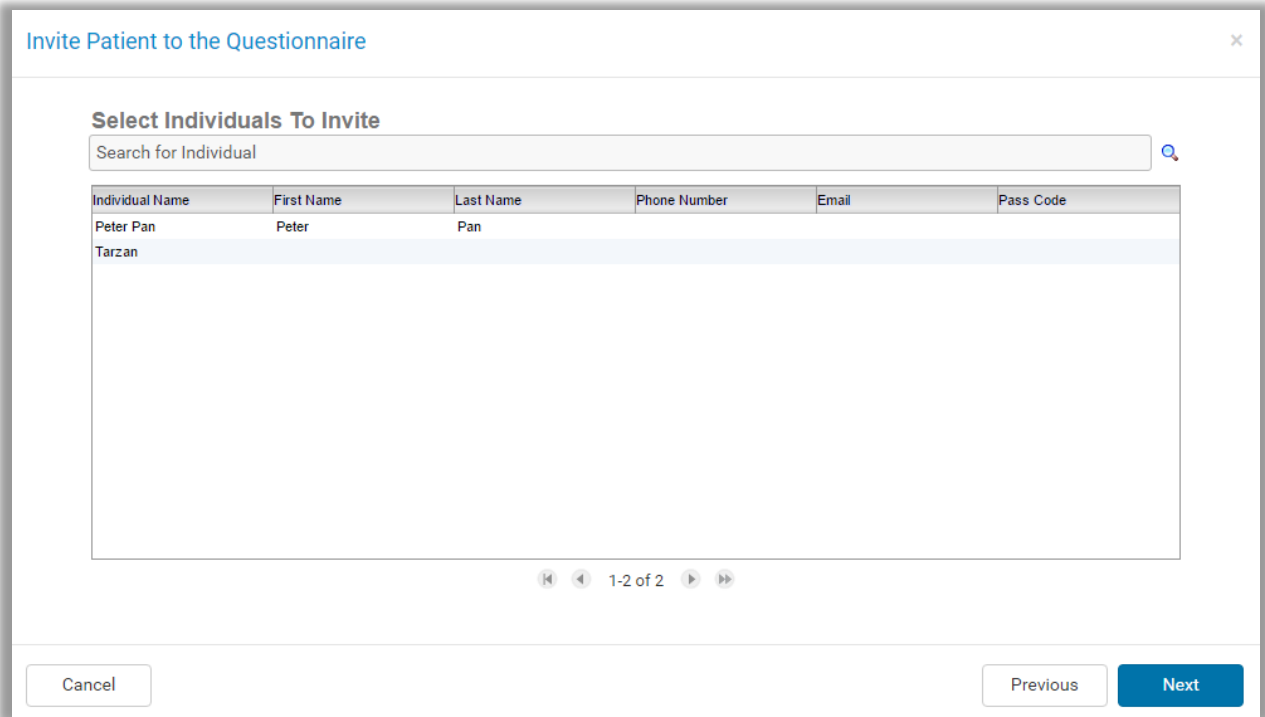
Email

Cancel Previous Next

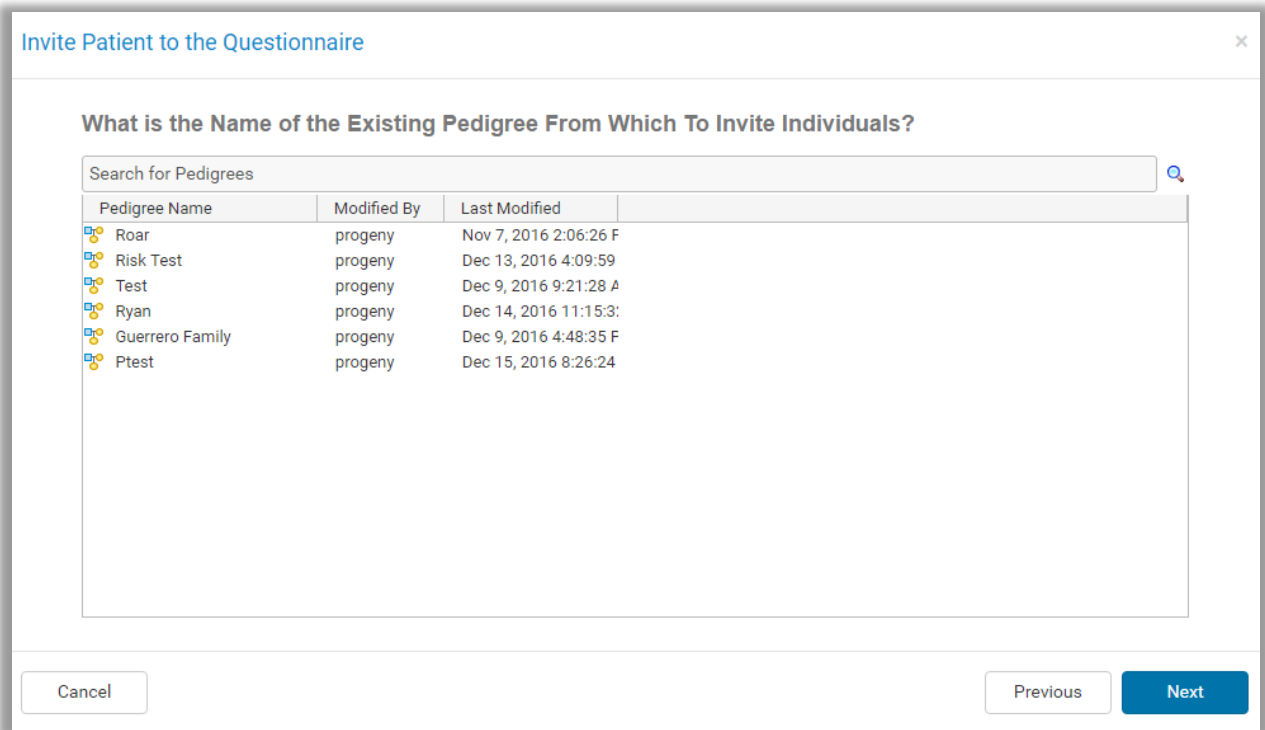
Invite Existing Patient or Relative – invites a patient or relative that is already in the database.

Once you select the questionnaire to send, you will then have to select either an individual, members of one family, or patients who meet specific criteria.

- **Individual** – an individual in the database that is not part of a pedigree, also called a singlet.

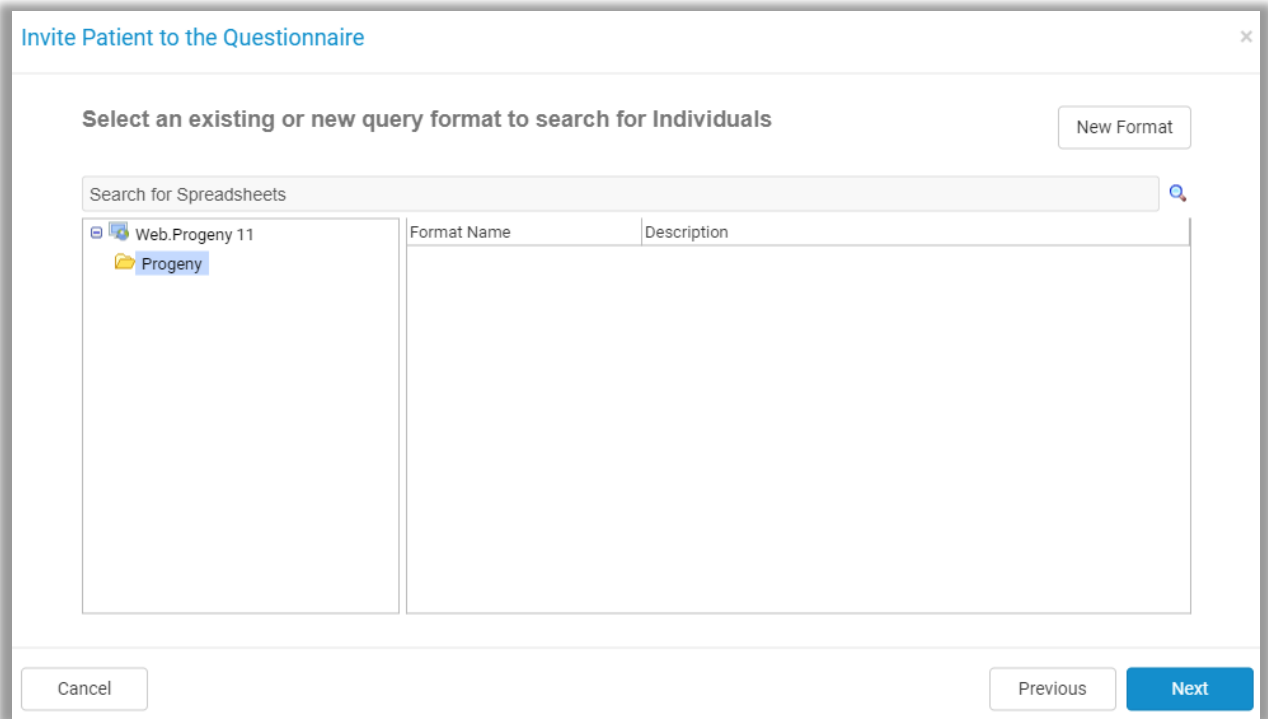


- **Members of one family** – here you can select a member of a family to be invited.



- **Patients who meet specific criteria** – here you can filter the database by the specified query so that you can invite patients that meet the criteria in the query. You would first select the query

format, then update the query, if necessary, which will then display all individuals that match the query where you can select the one(s) to invite to the questionnaire.



At the end of inviting a patient, you can then edit the email before it is sent to the customer. Here you can make last-minute changes to the template before it is sent. Note that this will not overwrite the saved Invite Template.


Edit content of your email

Email Subject

Text HTML

B *I* U X_2 X^2 [List Icons] [Link Icon] [Image Icon] **T_x** {N} {L}

Background ▾ Foreground ▾ Font ▾ Size ▾

 **PROGENY**

Dear {NAME},

[Schedule Here](#)

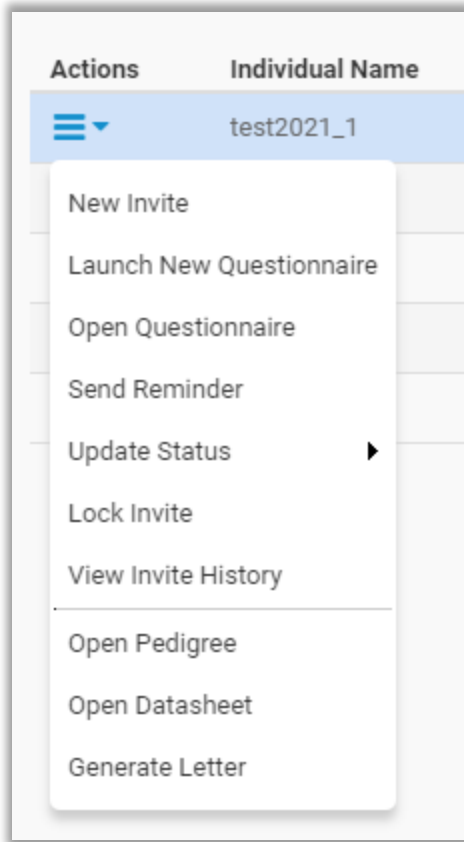
Please take a few minutes to fill out our online Family History Questionnaire (FHQ). The FHQ will ask you about your personal and family history of cancer. It may help to talk with family members to gather information about their cancer diagnoses, types of cancer, ages of diagnosis etc. Once you start the questionnaire, you

Cancel

Previous

Send an Invite

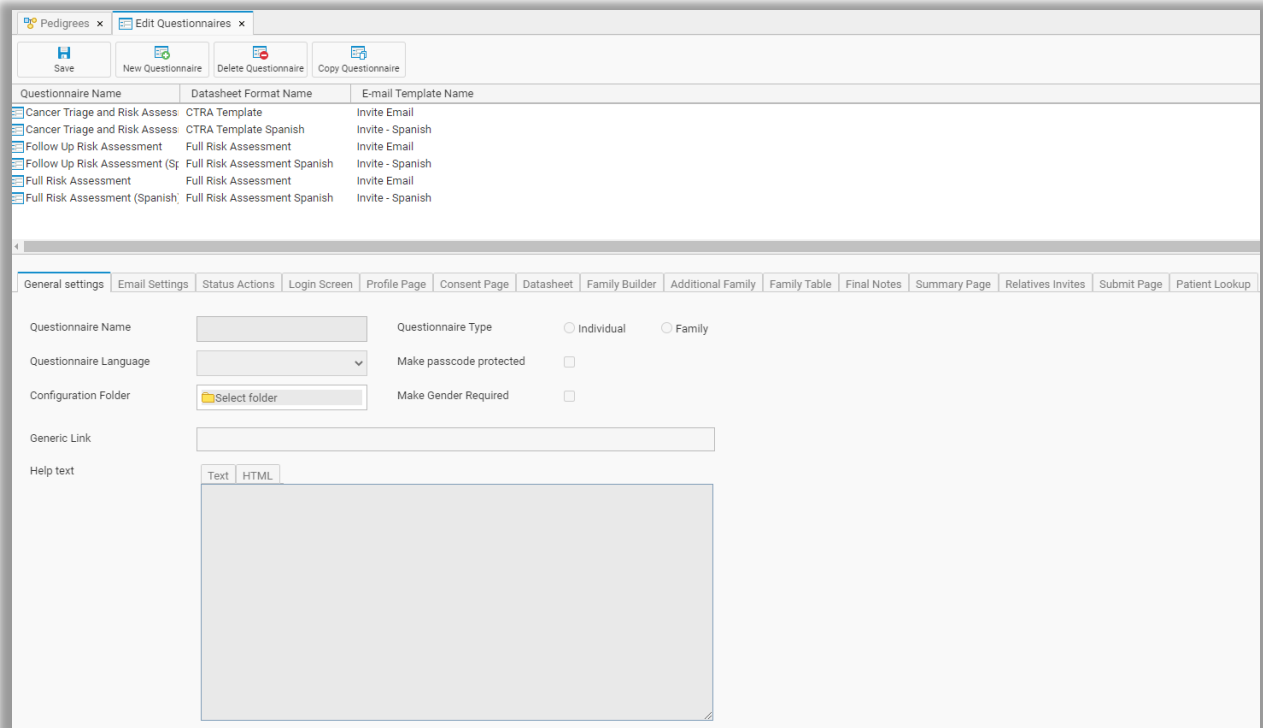
- Actions Menu - The actions menu gives a quick way to perform common actions for the individual.



- **New Invite** – sends a new invitation to the individual.
- **Launch New Questionnaire** - launches a new questionnaire for the patient so that the clinician can complete it.
- **Open Questionnaire** - opens a specific questionnaire for the clinician to complete.
- **Send Reminder** – sends a reminder email to the individual.
- **Update Status** – manually change the status of the questionnaire to Completed Manually, Inactive, or Reviewed.
- **Lock/Unlock Invite** – locks/unlocks the invitation for the patient.
- **View Invite History** – shows a history log of the invite.
- **Open Pedigree** – opens the pedigree for the individual.
- **Open Datasheet** – opens the datasheet for the individual.
- **Generate Letter** – generates a letter for the individual.

Edit Questionnaires

On this tab, you can edit the configuration for the different questionnaires inside of Progeny.



1. **Save** - Saves any changes that are made to the questionnaire(s).
2. **New Questionnaire** - Creates a new questionnaire that can be customized.
3. **Delete Questionnaire** - Deletes the selected questionnaire.
4. **Copy Questionnaire** - Copies the selected questionnaire and all its settings to a new questionnaire.
5. **General Settings**
 - **Questionnaire Name** – The name of the questionnaire.
 - **Questionnaire Type** – Individual questionnaires ask about the individual while family questionnaires ask about the family.
 - **Questionnaire Language** – the language of the questionnaire.
 - **Make passcode protected** – enables a second factor for authentication in which a passcode is generated for the FHQ and must be given to each patient that is sent the questionnaire so that they can begin.
 - **Configuration Folder** – the folder that is configured with the specified FHQ.
 - **Make Gender Required** – makes the gender field needed for the questionnaire when being filled out.
 - **Generic Link** – a link that is automatically created so that the FHQ can be opened using the URL in a browser.
 - **Help Text** – help text that will be displayed when patients click the 'Help' button throughout the questionnaire.
6. **Email Settings**
 - **Invitation Email** – the invitation email template.
 - **Submit Email** – the submit email template.

- **Unfinished Email** – the unfinished email template.
 - **Reminder Email** – the reminder email template.
 - **Turn on Automated Reminders** – enables the choice to set up automated reminders.
 - **Remind Every** – you can choose to send a reminder for the specified days/weeks.
 - **Max Number of Reminders to Send** – you can specify the maximum number of reminders that can be automatically sent.
 - **Remind Once** – you can choose to send a reminder once for the specified days/weeks.
 - **Before This Date** – you can specify a field in the database that points to a date so that the **Remind Once** function can be applied to the date field.
7. **Status Actions** - This section covers actions that take place once an invitation has the status manually set to 'Reviewed'.
- **Send Email** – sends the specified email template.
 - **Who to Email** – specifies who will receive the specified email template.
 - **Patient** – sends the email template to the patient.
 - **Staff** – sends the email template to the email that is specified in 'Email to notify' from the Web Data Capture Configuration in the Progeny web configuration back-end.
 - **Both** - sends the email template to both the patient and the staff.
 - **Move to Folder** – moves the pedigree/individual to the specified folder.
 - **Transmit Pedigree PDF to EMR** – if an EMR has been set up with your database, this enables the pedigree to be transmitted to the EMR.
8. **Login Screen**
- **Login Page Title** – the title of the login page.
 - **Login Page Instructions** – instructions on the login page.
 - **Sign Up Page Instructions** – instructions on the sign-up page.
9. **Profile Page**
- **Add Profile Page** – specifies if the profile page will be added to the questionnaire.
 - **Profile Page Title** – the title of the profile page.
 - **Datasheet Format Name** – the datasheet format for the profile page.
10. **Consent Page**
- **Add Consent Page** – specifies if the consent page will be added to the questionnaire.
 - **Consent Page Title** – the title of the consent page.
 - **Datasheet Format Name** – the datasheet format for the consent page.
11. **Datasheet**
- **Datasheet Page Title** – the title of the datasheet of the questionnaire.
 - **Datasheet Format Name** – the datasheet format for the questionnaire.
 - **Disable datasheet styles** – disables the styles that are configured for the specified datasheet. You can specify which format to use for the Editor Style, Editor Label Style, and Added Text Style.
12. **Family Builder**
- **Family Builder Page Title** – the title of the family builder page.
 - **Family Builder Page Instructions** – instructions for the Family Builder Page.

- **Show Only When Conditions Below is True** – you can specify to show the family builder page by the condition that is specified.
13. **Additional Family**
- **Add Nieces and Nephews Page** – specifies if the niece and nephew page will be added to the questionnaire.
 - **Nieces and Nephews Page title** – the title for the Nieces and Nephews Page.
 - **Nieces and Nephews Page Instructions** - instructions for the Nieces and Nephews page.
 - **Add Cousins Page** – specifies if the Cousins Page will be added to the questionnaire.
 - **Cousins Page title** – the title of the Cousins page.
 - **Cousins Page Instructions** - instructions for the Cousins Page.
 - **Add Half-Siblings Page** – specifies if the Half-Siblings page will be added to the questionnaire.
 - **Half-Siblings Page title** – the title of the Half-Siblings page.
 - **Half-Siblings Page Instructions** – instructions for the Half-Siblings Page.
14. **Family Table**
- **Family Table Page title** – the title of the Family Table page.
 - **Family Table Instructions** – the instructions for the Family Table page.
15. **Final Notes**
- **Add Final Notes Page** – specifies if the Final Notes page will be added to the questionnaire.
 - **Final Notes Page title** – the title for the Final Notes page.
 - **Page Instructions** – the instructions for the Final Notes page.
16. **Summary Page**
- **Show pedigree upon completion** – specifies whether to show the pedigree on the summary page and whether to display it for all members who fill out the questionnaire or only the Proband of the family.
 - **Show data editors** – specify if the data editors are shown on the summary page. These editors enable changing information on the summary page.
 - **Summary Page title**- the title of the Summary page.
 - **Summary Page Instructions** – the instructions on the Summary page.
 - **Empty Summary Page title** – the title of the Empty Summary Page.
 - **Empty Summary Page Instructions** – the instructions for the empty Summary page. This page will be displayed if the patient does not agree to the terms of use page.
17. **Relatives Invites**
- **Add Family Invites Page** – specifies if the Family Invites page will be added to the questionnaire.
 - **Invites Page title** – the title of the Invites page.
 - **Invites Page Instructions** – the instructions for the Invites page.
 - **Add phone number column** – adds a phone number column.
 - **Send email invite immediately** – send the invite at once.
 - **Use email template** – uses the specified email template for relatives.
 - **Invite to Questionnaire** – specifies the questionnaire to be sent to the relatives.
18. **Submit Page**

- **Submit Page Title** – the title of the Submit page.
 - **Submit Page instructions** – the instructions on the submit page.
 - **Lock on submit** – locks the questionnaires once they have been submitted. This prevents accessing the questionnaire again and changing information.
 - **Move on submit** – moves the pedigree to the target folder once a questionnaire has been submitted.
 - **Run risk on submit** - runs the specified risk models and saves the results for the patient.
19. **Patient Lookup** - enables the ability for patients to look up their account and continue with their questionnaire.
- **Patient Lookup Title** - the title for the Patient Lookup page.
 - **Unique Patient ID** - the unique value to identify patients.
 - **Unique Patient ID Display Heading** - a custom name for the unique value field.
 - **Date of Birth** - the date of birth field.
 - **Date of Birth Display Heading** - a custom name for the Date of birth.
 - **Allow Patient to Create New Records** - allows patients to create a new questionnaire profile.
 - **Patient Lookup Link** - the URL for the patient lookup page.

Email Templates

This is where all the email templates are saved.

Template Name	Subject	Body	Modified
Invite - Spanish	Cuestionario de antecedentes far	Estimado/a (NAME),Tómese unos minutos para completar nuestro Cuestionario de antecedentes famil	2019-02-13
Invite Email	Family History Questionnaire	Family History Questionnaire InvitationDear {NAME},Please take a few minutes to fill out our online Farr	2015-10-20
Reminder - Spanish	Recordatorio del Cuestionario de	Estimado/a (NAME),Este es un recordatorio de que aún no ha completado el Cuestionario de antecedei	2019-02-13
Reminder Email	Family History Questionnaire Ren	Dear {NAME},This is a reminder that you have not completed your Family History Questionnaire. When	2015-10-20
Submit - Spanish	Cuestionario de antecedentes far	¡Felicitaciones!Ha completado satisfactoriamente su Cuestionario de antecedentes familiares. Gracias	2019-02-13
Submit Email	Family History Questionnaire Sub	Family History Questionnaire CompletionCongratulations!You have successfully completed your Family	2015-10-20
Unfinished - Spanish	Cuestionario de antecedentes far	Estimado/a (NAME),Gracias por comenzar el Cuestionario de antecedentes familiares. Este correo es s	2019-02-13
Unfinished Email	Family History Questionnaire	Family History Questionnaire ContinuationDear (NAME),Thank you for starting your Family History Quee	2015-10-20

Template Name: Invite Email

Subject: Family History Questionnaire

Body:

Dear {NAME},

Please take a few minutes to fill out our online Family History Questionnaire (FHQ). The FHQ will ask you about your personal and family history of cancer. It may help to talk with family members to gather information about their cancer diagnoses, types of cancer, ages of diagnosis etc. Once you start the questionnaire, you will be able to save it and come back later if needed. Please fill out the information the best that you can.

[Click here to begin your Online Family History Questionnaire](#)

If you have any questions, please contact us at:
 Email: email@email.com
 Phone: 555-555-5555

Locked (IRB Approved)

Each email template can be customized with the Template Name, Email Subject, and the email Body. There are also additional options on the top of the Email Templates page.

- **Save** – saves any changes made to any of the email templates.
- **New Template** – creates a new email template.
- **Delete** – removes an email template.

Orders

Progeny has integrated the ability to order genetic tests from Ambry Genetics through Ambry Port. Through Progeny, web users can:

- complete an insurance Pre-Verification form.
- order genetic tests.
- check the status of orders.
- view the genetic test results report.
- save the genetic test results report as a file on your computer.

This cuts the necessity to switch to another application for these tasks.

Registering

To be able to use the order feature, clinicians need to complete a brief registration form at <http://www.progenygenetics.com/support/ambryorder>, shown below:

You will receive credentials for ordering genetic tests from within Progeny.

Please contact Progeny Support at support@progenygenetics.com for help entering your credentials into Progeny.

Ordering Genetic Tests

After you have received and inputted your AP2 credentials, you are ready to place genetic test orders. Just select an individual on the pedigree you want to order a test for and click the **Order Test** button.

The screenshot displays two side-by-side windows from the Progeny software. The left window shows a pedigree chart with a toolbar at the top containing 'Smartdraw', 'Show Risk', 'Order Test' (highlighted in red), 'Generate Letter', and 'Actions'. The pedigree includes several individuals with their ages and names: Andrew William (29), John William (23), and others. The right window shows a patient information form with tabs for 'Patient Info', 'Medical History', 'Cancer History', 'Testing', and 'Patient Entered Data'. The 'Order Test' button is also highlighted in red. The form fields are populated with the following information:

Field	Value
Patient ID	William, A 468463166423186
Relationship to Proband	Proband
Individual Last Name	12/7/16
Name: First	Andrew
Name: Middle	
Name: Last	William
Suffix	
MRN	468463166423186
Date of Birth	4/7/87
Est Age/Age at Death	
Date of Death	
Current Age/Age at Death	29
Cause of Death	
Address	Address
City	City
State	MH
Zip Code	11111
Email Address	email@yahoo.com
Phone - Preferred	
Cell/Alt Phone Number	

The selected individual's information will be populated into the mapped fields and a current view of the pedigree, which will go with the **Test Request Form (TRF)**, will be displayed.

Order Test - Patient Confirmation

You have selected to order tests for the individual highlighted in yellow below. Verify your data before proceeding. By continuing, you will be leaving the Progeny application and going to a secure web-based application operated by Ambyr Genetics for the purpose of ordering laboratory services for the individual you have identified. Please note that only the data shown below will be transferred to Ambyr Genetics for purposes of treatment, payment and health care operations.

*Organization: [Dropdown]

*First Name: Andrew

*Last Name: William

*Date of Birth: 1987-04-07

Phone: [Text Box]

Address: [Text Box]

City: [Text Box]

State: MH

Postal Code: 11111

Editing the information above will update the corresponding data fields within Progeny.
Click below to modify mapped fields.

Map Fields

Ambyr Genetics

Cancel Continue with Preverification Continue with Order

To help in expediting insurance processing, click the **Continue with Preverification** button and complete the requested information. The Ambyr Insurance Verification Department will verify the benefits status for all insurance samples before processing. Otherwise, click the **Continue with Order** button to complete the **Test Request Form (TRF)**. Validation requisites will be displayed in the left column of the TRF.

Order Status

After you have placed an order you may check its status and, when completed, view its results on the **Orders** screen by clicking on the **Orders** module on the top navigation bar.

Actions	Order ID	Accession #	Patient	DOB	Panel	Test	Organization Name	Status	Submitted	Expected	Results	Docs
	P1292962		qa qa	08/12/1954			PROGENY TEST ORG 1 (17245)					
	P1292524		Test Test	12/22/2010			PROGENY TEST ORG 1 (17245)					
	P1292518		Nari Last	04/08/2002			PROGENY TEST ORG 1 (17245)					
	P1292507		Test Test	12/22/2010			PROGENY TEST ORG 1 (17245)					
	P1292501		Nari Last	04/08/2002			PROGENY TEST ORG 1 (17245)					
	P1288294		Jane Doe	04/06/2021			PROGENY TEST ORG 1 (17245)					
	P1280034		John Doe	03/20/1968			PROGENY TEST ORG 1 (17245)					
	P1234890		SIS 1 TTTT	02/08/1961			PROGENY TEST ORG 1 (17245)					
	P1227734		FIRST THRD	02/02/1960			PROGENY TEST ORG 1 (17245)					
	P1204402		Rajesh Nars	02/15/2021			PROGENY TEST ORG 1 (17245)					
	P987588		Rajesh Milan	11/07/2000			PROGENY TEST ORG 1 (17245)					
	P977257		Rajesh Milan	11/07/2000	8838	BRCA1/2 seq and del/dup	PROGENY TEST ORG 1 (17245)	Submitted	11/20/2020			
	P977198		praj Das	11/18/2020	8508	MLH1 seq and del/dup	PROGENY TEST ORG 1 (17245)	Submitted				
	P974018		Pro Gen	09/30/1985			PROGENY TEST ORG 1 (17245)					
	P974016		Pro Gen	09/30/1985			PROGENY TEST ORG 1 (17245)					
	P971023		Kill Pandey	10/26/2020			PROGENY TEST ORG 1 (17245)					
	P969555		am jm	11/02/2020			PROGENY TEST ORG 1 (17245)					
	P969536		Nanai Liu	11/03/2020			PROGENY TEST ORG 1 (17245)					
	P969385		Rajesh Milan	11/07/2000			PROGENY TEST ORG 1 (17245)					
	P969384		Rajesh Milan	11/07/2000			PROGENY TEST ORG 1 (17245)					
	P920644		Progeny Genetics	10/12/2020			PROGENY TEST ORG 1 (17245)					
	P925835		Hu Man	10/07/2020			PROGENY TEST ORG 1 (17245)					

Smart Search

Searches only the data that is displayed in the columns in your smart list (Smart List details). The search is limited to the exact order of the characters in the string. The asterisk (*) is a wildcard that can be used to extend the search.

Actions	Order ID	Accession #	Patient	DOB	Panel	Test
	P403224		Andrew William	04/07/1987	5862	BRCA1 del/dup
	P198413		Sean John	02/10/2016	8822	ColoNext
	P198413		Sean John	02/10/2016	8838	BRCA1/2 seq a...
	P234555		John Smith	03/09/2016	1048	HBB seq and d...
	P234046		Test Test	01/01/1971	5862	BRCA1 del/dup
	P234058		Test Test	05/31/2016	8838	BRCA1/2 seq a...

Actions Menu

Actions Menu gives quick access to functions within the application for your clinical workflow.

Pedigrees x Orders x

Orders

Actions	Order ID	Accession #	Patient
	P1292962		qa qa
	P1292524		Test Test
	P1292518		Nani Last
	P1292507		Test Test
	P1292501		Nani Last
	P1288294		Jane Doe
Open Pedigree	034		John Doe
Open Datasheet	890		SIS 1 TTTT
Open Test Results			
	P1227734		FIRST THIRD

- **Open Pedigree** - opens the pedigree.
- **Open Datasheet** - opens the individual's datasheet.
- **Open Test Results** - opens the Test Results for the specified individual.

Link Order to Patient



Link Order to Patient, accessed by clicking the link icon in the Actions column, allows you to link orders not placed through Progeny with patients in your database.

Link Order to Patient
✕

Name: John Smith
Order ID: P234555

Q

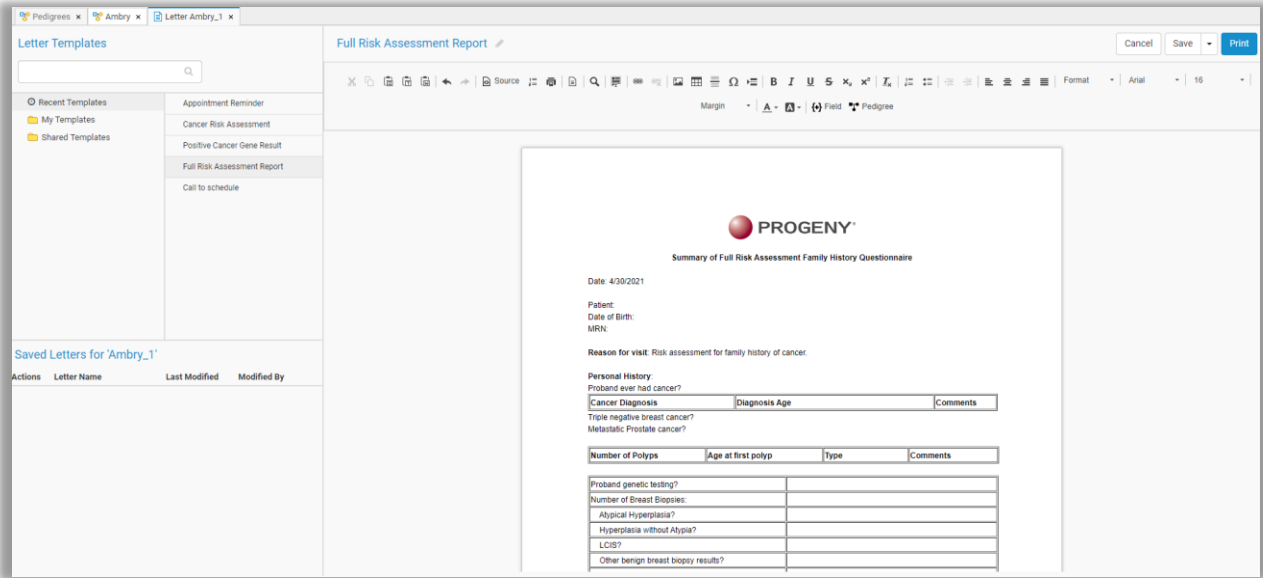
Name: First	Name: Last	Pedigree Name	Individual Name
Clinical	Patient		Clinical Patient
			Jamie0316
Engelbert	Humperdink		Engelbert Hu...
			Jonathan Doe
			Jamie0330d
			Ronny
			Test Why
Auto	Reminder		AutoReminder

Cancel
Save
















Letters














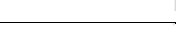

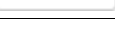
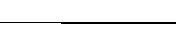
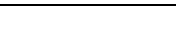
Creating a New Letter Template




The Letters choice on the navigation toolbar opens a Letter Templates tab. Here you can create, edit, and remove customized Letter Templates. The templates use an extensive editor that allows you to implement a variety of assorted styles, special characters, images, and links. Progeny also has two custom buttons in the editor: **Field** and **Pedigree**. The **Field** button will allow you to input any custom or system field placeholder from the database and Pedigree will allow you to add a resizable placeholder for the pedigree image in the template. These letters can then be generated for any individual in the database. They can also be changed and saved to a specific individual.



Letter Generator Buttons

	Cut - removes and copies the choice to the clipboard (Ctrl + X)
	Copy - copies selection to clipboard (Ctrl+C)
	Paste - pastes contents of the clipboard
	Paste as plain text - pastes contents of the clipboard as the unformatted default format of the letter
	Paste from Word - pastes contents from Microsoft Word
	Undo - cancels the last change made and restores the letter to its previous state (Ctrl+Z)
	Redo - reverts the last undo operation (Ctrl+Y)
 Source	Source - allows editing of HTML source code
	Document Properties - displays window with General, Design, Meta Tags, and Preview options
	Print - allows printing of the letter
	Templates - displays window of pre-defined forms with page layout, text formatting, and styling
	Find - displays window that allows searching and replacing multiple occurrences of text
	Select All - selects all contents of the letter (Ctrl+A)
	Link - displays window that allows adding of hyperlinks, anchors, and email addresses
	Unlink - removes a link when the cursor is placed in a link or part of a link is selected

	Image - displays window that allows the setting of configuration options that define image source, size, display properties, and other advanced properties
	Table - displays window that allows setting of configuration options that define size, display properties, and other advanced properties
	Insert Horizontal Line - adds a horizontal rule from one side of the letter to another at the location of the cursor
	Insert Special Character - displays a window that allows the choice of symbols containing Latin letters, numbers (including fractions), currency symbols, punctuation, arrows, and mathematical operators
	Insert Page Break for Printing - adds a separation, at the location of the cursor, between physical pages when printed
B	Bold - bolds text (Ctrl+B)
<i>I</i>	Italic - italicize text (Ctrl+I)
<u>U</u>	Underline - underlines text (Ctrl+U)
S	Strikethrough - strikes text through
x_2	Subscript - sets a character that is slightly smaller than the text that surrounds it below the baseline
x^2	Superscript - sets a character that is slightly smaller than the text that surrounds it above the baseline
<u>I</u>	Remove Format - removes text styling from selected text to display default formatting
	Insert/Remove Numbered List - creates or removes a numbered list
	Insert/Remove Bulleted List - creates or removes a bulleted list
	Decrease Indent - decreases the indentation of a block-level element having the cursor by one tabulator length.
	Increase Indent - increases the indentation of a block-level element having the cursor by one tabulator length.
	Align Left - aligns paragraph with the left margin and rags text on the right side.
	Center - aligns paragraph symmetrically along the vertical axis and rags text on both sides.
	Align Right - aligns paragraph with the right margin and rags text on the left side.
	Justify - aligns paragraph with the right margin and rags text on the left side.
	Paragraph Format - allows the choice of several pre-defined block-level styles from a drop-down list.
	Font Name - allows the choice of several typefaces that are applied to text.
	Font Size - allows the choice of several font sizes that change how big or small the text is
	Paragraph Margin - allows the choice of several line spacing margins that change how much space is between each line in a paragraph
	Text Color - allows the choice of several colors for text

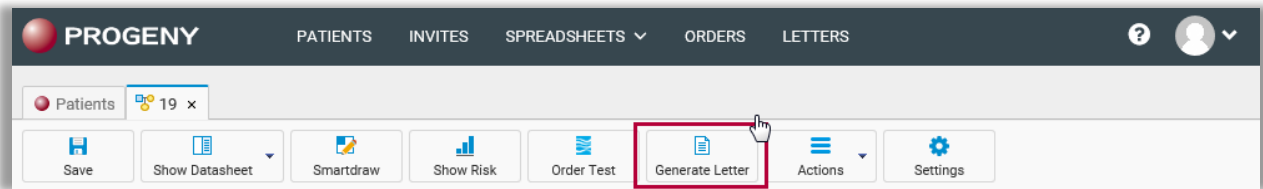
 Background Color - changes the background color of the text.
 Field - displays a Field Chooser window that allows adding field placeholders from the database
 Pedigree - adds a resizable placeholder for the pedigree image

Creating Patient Letters

Access the generate letter screen to create letters for your patients using various methods.

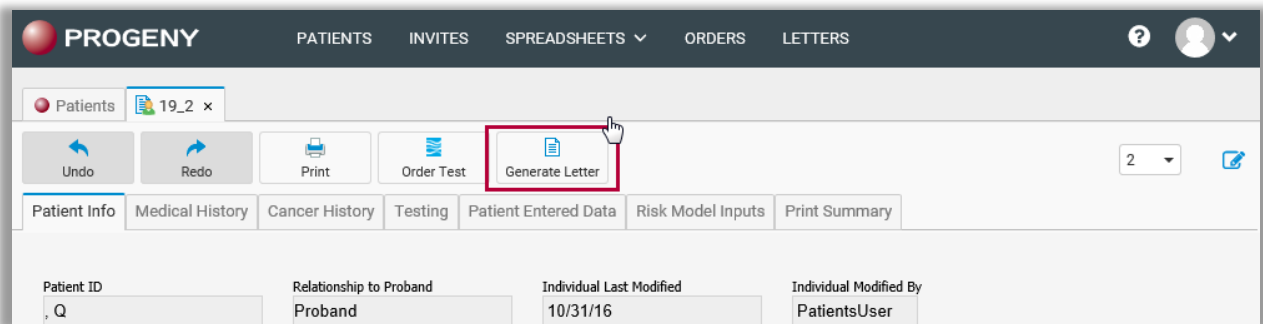
Pedigree Viewer

Click the Generate Letter button at the top toolbar menu for the Pedigree.



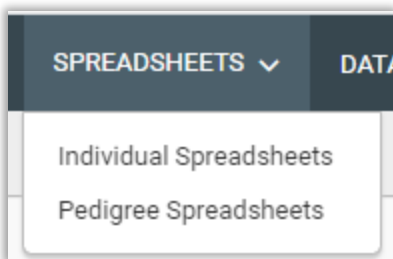
Individual Datasheet

Click the Generate Letter button on the Individual Datasheet toolbar menu.

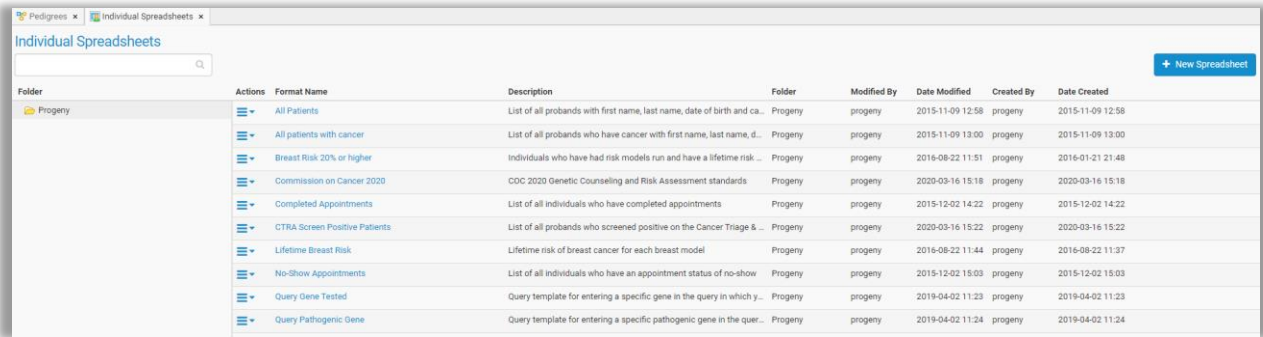


Spreadsheets and Queries

Spreadsheets and Queries are used for searching for specific field data and displaying the results in a spreadsheet. You can search either your Individual level fields or Pedigree level fields.



When either is clicked, you will see a list of existing formats.

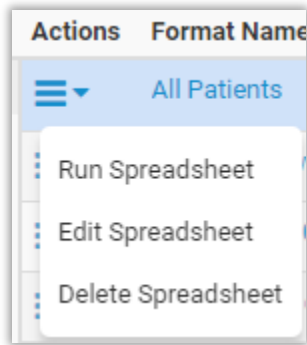


The screenshot shows a web interface titled "Individual Spreadsheets" with a search bar and a "+ New Spreadsheet" button. Below is a table with columns: Folder, Actions, Format Name, Description, Folder, Modified By, Date Modified, Created By, and Date Created. The "Progeny" folder contains several spreadsheet formats.

Folder	Actions	Format Name	Description	Folder	Modified By	Date Modified	Created By	Date Created
Progeny	⋮	All Patients	List of all probands with first name, last name, date of birth and ca...	Progeny	progeny	2015-11-09 12:58	progeny	2015-11-09 12:58
	⋮	All patients with cancer	List of all probands who have cancer with first name, last name, d...	Progeny	progeny	2015-11-09 13:00	progeny	2015-11-09 13:00
	⋮	Breast Risk 20% or higher	Individuals who have had risk models run and have a lifetime risk ...	Progeny	progeny	2016-08-22 11:51	progeny	2016-01-21 21:48
	⋮	Commission on Cancer 2020	COC 2020 Genetic Counseling and Risk Assessment standards	Progeny	progeny	2020-03-16 15:18	progeny	2020-03-16 15:18
	⋮	Completed Appointments	List of all individuals who have completed appointments	Progeny	progeny	2015-12-02 14:22	progeny	2015-12-02 14:22
	⋮	CTRA Screen Positive Patients	List of all probands who screened positive on the Cancer Triage & ...	Progeny	progeny	2020-03-16 15:22	progeny	2020-03-16 15:22
	⋮	Lifetime Breast Risk	Lifetime risk of breast cancer for each breast model	Progeny	progeny	2016-08-22 11:44	progeny	2016-08-22 11:37
	⋮	No-Show Appointments	List of all individuals who have an appointment status of no-show	Progeny	progeny	2015-12-02 15:03	progeny	2015-12-02 15:03
	⋮	Query Gene Tested	Query template for entering a specific gene in the query in which y...	Progeny	progeny	2019-04-02 11:23	progeny	2019-04-02 11:23
	⋮	Query Pathogenic Gene	Query template for entering a specific pathogenic gene in the quer...	Progeny	progeny	2019-04-02 11:24	progeny	2019-04-02 11:24

From there, you can choose to click on a spreadsheet name to run that spreadsheet, you can also click the New Spreadsheet button to create a new spreadsheet.

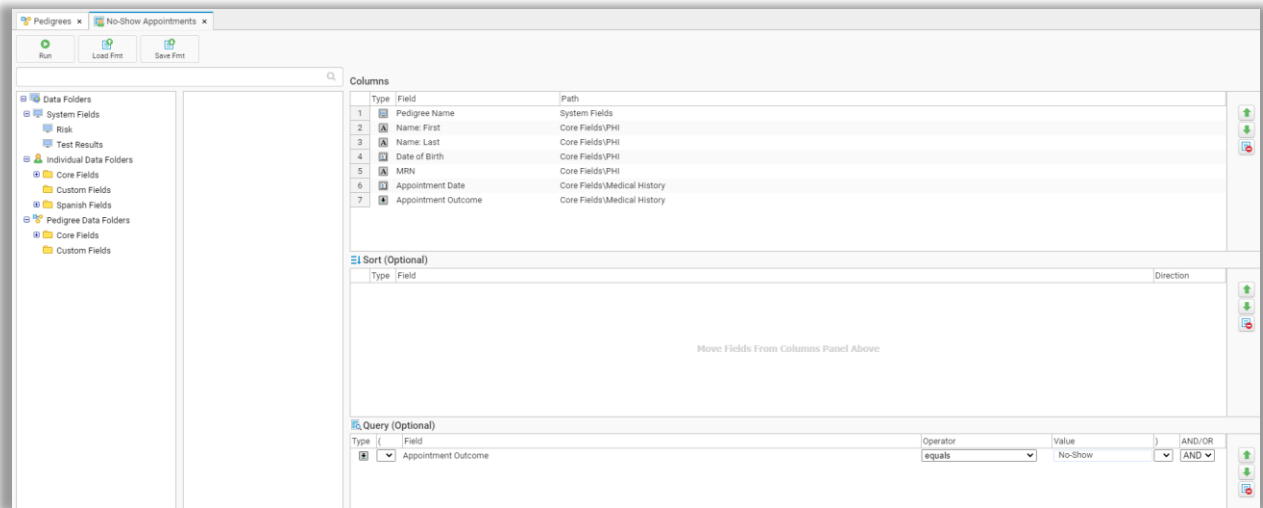
From the actions menu, you can perform 3 actions:



- **Run Spreadsheet** - runs the spreadsheet format.
- **Edit Spreadsheet** - opens the spreadsheet format for editing.
- **Delete Spreadsheet** - deletes the spreadsheet format.

Building Spreadsheets

From these levels, you can select which fields you wish to query, add logical operators to your search, and specify how the results are sorted. This is a powerful tool which can be used to perform broad and general or granular and specific queries of your database. After you build a query it can be saved as a format, then re-run or edited as needed.



- **Fields Pane** - The Fields pane which lists the fields in your database. You can search for fields in this pane by typing a part of the field name into the search field atop the Fields pane. Fields can then be dragged to the other panes as needed.
- **Column Pane** – The Columns pane is used to list the columns (fields) you wish displayed on the spreadsheet. The top to bottom ordering of fields in this pane will reflect as left to right columns on the spreadsheet results. You can change the order of the spreadsheet columns by moving each field up or down in the Columns pane.
- **Sort Pane** – The Sort pane determines the sort order of your query results. Drag fields from the Fields pane into this pane or use the Add to sort icon on a Column field row to copy the field into the Sort pane.
- **Query Section** - The Query pane is where you can add specific conditions to a field, e.g., the Last Name equals Smith.

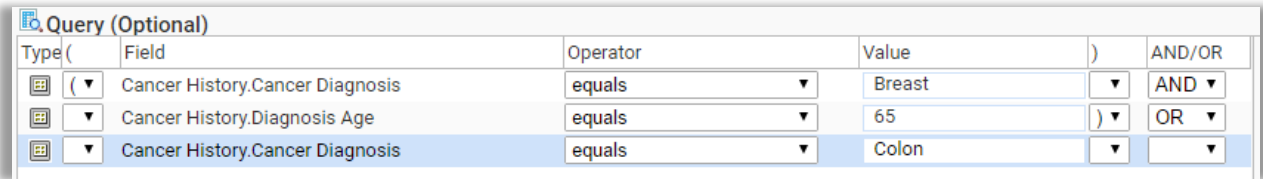
Building Queries

To build a Spreadsheet Query first select the level (Individual or Pedigree) you wish to query as shown above.

1. Select which field(s) you want to be shown on the spreadsheet results - You can use the search field to quickly find the field you are looking for. Just type in any part of the field name and click the magnifying glass icon on the right side of the search field.
2. Drag the field into the Columns panes.
3. From the fields you have dragged into the Columns pane, use the icons available in the menu to add it to the Sort or Query panes.
4. Specify whether you would like to sort in ascending (default) or descending order. You may sort by multiple fields. The first field will be the primary column to sort by, the second field the secondary, and so on.
5. Configure the logical operators, values, Boolean operators, and parentheses (to apply an order of operations) in the Query pane.

Order of Operations for a Query:

When carrying out a multiple fields query, use parentheses to define the order of operations for a query. The order of operations determines the queries that must be conducted first in a series of queries. For example, the below image shows a query for individuals who were diagnosed with breast cancer at the age of 65 and another query where for individuals who were diagnosed with colon cancer. Because this query also uses the OR operator, the query returns individuals who meet either query criteria.



The order of operations would be the same as the following:

(Cancer Diagnosis = Breast AND Diagnosis Age = 65) OR Cancer Diagnosis = Colon

At this point, you can save this custom query as a format, so you can quickly select it in the future to run it again.

Logical Operators

The following logical operators are available to target your search results:

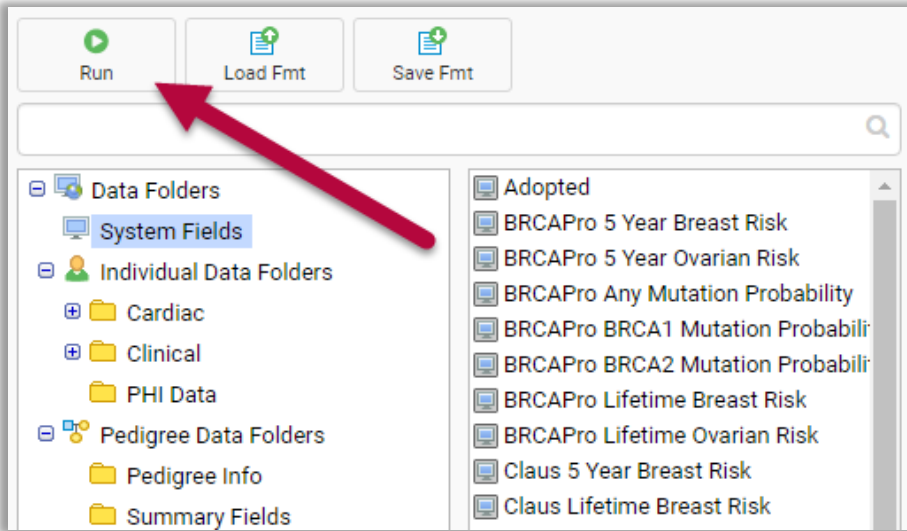
Operator	Description
begins with	Search for an item where the specified field has data that begins with the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight begins with 17, then only those individuals for whom the weight begins with a 17 (17 or 170-179) are returned in the search.
contains	Search for an item where the specified field has an instance of the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight has 75
does not begin with	Search for an item where the specified field has data that does not begin with the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight does not begin with 17, then only those individuals for whom the weight does not begin with a 17 (0-16, 18 - 169, and so on) are returned in the search.
does not contain	Search for an item where the specified field does not have any instance of the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight does not have 75, then all individuals who have a weight in which 75 does not appear (0-74, 76-174, 176274, and so on) are returned in the search.

does not end with	Search for an item where the specified field has data that does not end with the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight does not end with 75, then only those individuals for whom the weight does not end with a 75 (074, 76-174, 176-274, and so on) are returned in the search.
does not equal	Search for an item that meets any criteria other than the specified value, For example, if the query field for individuals is the Weight field, and you specify Weight \neq 175, then only those individuals whose weight does not equal 175.
ends with	Search for an item where the specified field has data that ends with the search criteria. For example, if the query field for individuals is the Weight field, and you specify Weight ends with 75, then only those individuals for whom the weight ends with a 75 (75, 175, 275, and so on) are returned in the search.
equals	Search for an exact match. For example, if the query field for individuals is the Weight field, and you specify the search criteria as Weight = 175, then only those individuals whose weight is exactly 175 are returned in the search.
in	Allows for comma separated values so that multiple items can be searched and returned in the search results. For example, if the query field for individuals is the Weight field, and you specify Weight in 75, 80, 85, 90, then all individuals whose weight is exactly 75, 80, 85, or 90 are returned in the search. Note: You can copy and paste a list of values from a .csv file into a query of this type.
is blank	Search for an item where the specified field has absolutely no data. For example, if the query for individuals is the Weight field, and you specify Weight is blank, only those individuals for whom data has not been inputted the Weight field are returned in the search. Note: A zero (0) is an actual data value. This means that if zero (0) has been entered in the Weight field for an individual, then the individual is not returned in the search.
is greater than	Search for an item that is greater than the specified value. For example, if the query field for individuals is the Weight field, and you specify Weight > 175, then only those individuals whose weight is greater than 175 are returned in the search.
is greater than or equal to	Search for an item that is greater than the specified value or is an exact match for the specified value. For example, if the query field for individuals is the Weight field, and you specify Weight \geq 175, then those individuals whose weight is exactly 175 or greater are returned in the search.
is less than	Search for an item that is less than the specified value. For example, if the query field for individuals is the Weight field, and you specify Weight < 175, then only those individuals whose weight are less than 175 are returned in the search.

is less than or equal to	Search for an item that is less than the specified value or is an exact match for the specified value. For example, if the query field for individuals is the Weight field, and you specify Weight \leq 175, then those individuals whose weight is exactly 175 or less are returned in the search.
is not blank	Search for an item where the specified field has any valid data. For example, if the query field for individuals is the Weight field, and you specify Weight is not blank, all individuals for whom data has been entered in the Weight field are returned in the search. Note: A zero (0) is an actual data value. This means that if zero (0) has been entered in the Weight field for an individual, then the individual is returned in the search.
is not in	Allows for comma separated values to be entered in a field so that multiple items can be searched and excluded from the search results. For example, if the query field for individuals is the Weight field, and you specify Weight is not in 75, 80, 85, 90, then all individuals whose weight is not exactly 75, 80, 85, or 90 are returned in the search. Note: You can copy and paste a list of values from a .csv file into a query of this type.
is not like	A pattern matching search based on the keyword "like." An underscore () is used to match exactly one character, and the percent sign (%) is used to show any number of characters. For example, if the query field for individuals is the Weight field, then to search for all individuals whose weight is not like 75, select "is not like" as the operator and enter %75 in the Value field. The % shows that any number of characters can come before 75, for example, 0 -74, 176 - 184, 186 - 274, and so on. Note: You can use the % anywhere in the search criteria, for example, 75% or 7%5.
like	A pattern matching search based on the keyword "like." An underscore () is used to match exactly one character, and the percent sign (%) is used to show any number of characters. For example, if the query field for individuals is the Weight field, then to search for all individuals whose weight is like 75, select "like" as the operator and enter %75 in the Value field. The % shows that any number of characters can come before 75, for example, 75, 175, 275, and so on. Note: You can use the % anywhere in the search criteria, for example, 75% or 7%5.

Running Spreadsheets

Run the spreadsheet by clicking the green Run icon in the upper left while editing the Spreadsheet.



Spreadsheet Results View

After the spreadsheet is ran, you will then see the results. At the top of the results, you will see some additional buttons for different actions.

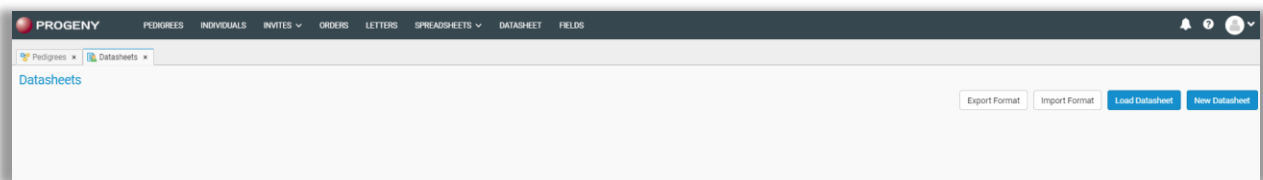
	Name: First	Name: Last	Date of Birth	Cancer History?	Cancer History.C	Cancer History.L	Cancer History.I	Cancer History.C	Cancer History.F
1									
2			May 12, 2020						
3	Konica	Minolta	May 13, 1968	Yes					
4					Esophagus	25			
5					Glioma	28			
6									
7					Breast				
8			Feb 16, 1980						
9									
10					Acoustic Neuror				
11									
12				Yes					
13					Acute Lymphocy				
14									
15			Mar 17, 1965						
16	Progeny	Genetics	Feb 23, 2021						
17									
18									
19									
20			Mar 7, 1978						
21									
22									
23									
24	Ambry	Genetics	Mar 8, 1990						
25									

- **Edit** - edits the current format.
- **Load Format** - loads a different spreadsheet format.

- **Save Format** - saves the current spreadsheet format.
- **Export** - export the spreadsheet results into another format.
 - **Settings** - format for the type of file/format to export the results in
 - **Text (Tab Delimited)** - text file with a tab separator between the data.
 - **Text (Comma Delimited)** - text file with a comma separator between the data.
 - **Text (Other)** - text file with a custom data separator.
 - **Excel (xls)** - old excel format.
 - **Excel (xlsx)** - new excel format.
 - **Newline Handling for Text Fields** - only applies when exporting into a Text file format.
 - **Retain newlines in formatted cells** - when a text field has data where there are line breaks, spaces, or tabs, this keeps the data as a single data point. Ex. Progeny Genetics will be kept as “Progeny Genetics” in the exported file.
 - **Convert newlines to spaces** - converts the line breaks to spaces in the file output.
 - **Export newlines without any formatting** - exports the dataset including line breaks, as is.
 - **Options**
 - **Include Column Headings** - includes the field names in the export.
 - **Export Table Rows Only** - exports only the table data.
 - **Export One Row Per Individual** - exports one row per individual, even when there are multiple rows due to multiple table rows.
- **Batch Letters** - generates letters for all the individuals in the result. This brings you to the Letters module to select the letter template.
- **Count** - counts the number of individuals in the result.
- **Undo** - undo the last change made in the results view.
- **Redo** - redo the last change made in the results view.

Datasheet Module

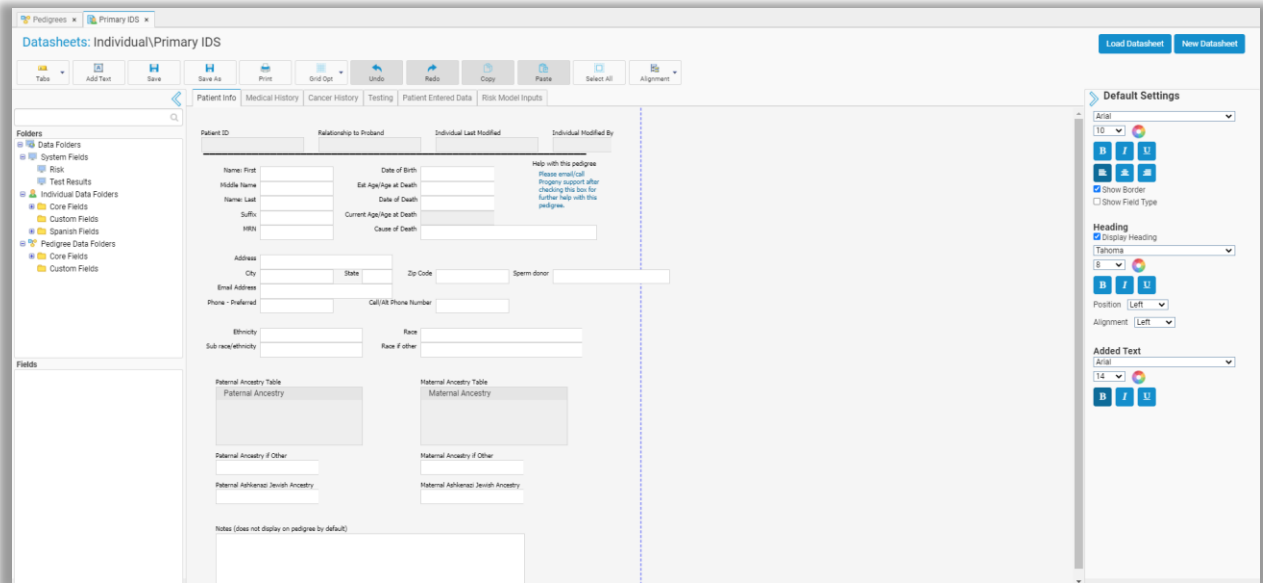
The Datasheet module gives access to manage the datasheets in the database. This includes Individual Datasheets, Pedigree Datasheets, and Table Datasheets.



- **Export Format** - exports a datasheet to an XML file.
- **Import Format** - imports a datasheet from an XML file.
- **Load Datasheet** - loads a datasheet format to be modified.
- **New Datasheet** - creates a new datasheet format.

Modifying a Datasheet Format

A datasheet format can be customized however you desire. Any fields in the database can be added, text can be added, and customized, and various other settings can be applied to control how the field looks on the datasheet.



Datasheet Toolbar

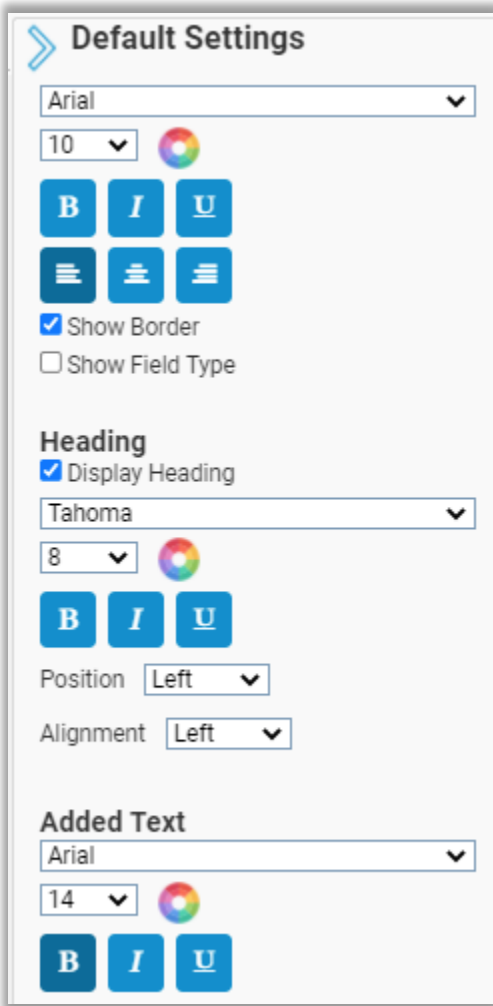
- **Tabs**
 - **Add Tab** - adds a new tab.
 - **Rename Tab** - renames the tab that is selected.
 - **Copy Tab** - copies the tab that is selected.
 - **Paste Tab** - pastes the tab that was previously copied to the far right of the other tabs.
 - **Delete Tab** - deletes the selected tab.
- **Add Text** - adds a free-floating textbox to the datasheet where text can be entered.
- **Save** - saves the format.
- **Save As** - saves the format and prompts for a folder location to save the format and the name of the format.
- **Print** - prints the format.
- **Grid Options**
 - **Show Grid** - shows gride lines to make use of aligning fields.
 - **Show Page Breaks** - shows some blue lines for the page breaks when printing.
 - **Snap to Grid** - snaps the fields edges to the grid.
 - **Show/Edit Tab Order** - shows the field order when using the tab button on the keyboard.
 - **Reset Tab Order** - resets the tab order to be the default.
 - **Show Margins**
 - **FHQ** - shows the margin for how the datasheet would look on a page for a patient completing the FHQ.

- **Tablet** - shows the margin for how the datasheet would look on a page for a patient using a tablet to access the FHQ.
 - **Custom** - set your own margins.
 - **Horizontal Grid** - the size of the horizontal grid space.
 - **Vertical grid** - the size of the vertical grid space.
- **Undo** - undoes the last change.
- **Redo** - redoes the last change that was last undone.
- **Copy** - copies the item selected.
- **Paste** - pastes the item that was copied.
- **Select All** - selects all items on the datasheet.
- **Alignment** - aligns multiple items to be aligned with the first item that was selected.
 - **Align Left**
 - **Align Right**
 - **Align Top**
 - **Align Bottom**
 - **Size Horizontally**
 - **Size Vertically**

The Load Datasheet button loads an existing datasheet format, and the New Datasheet button creates a new datasheet format.

[Default Settings](#)

The default settings specify the default for all fields that are placed on the datasheet. These can be changed using the Default Settings pane on the right side.



- **Field Data**
 - **Font**
 - **Size**
 - **Text Color**
 - **Bold**
 - **Italic**
 - **Underline**
 - **Align Left**
 - **Align Center**
 - **Align Right**
 - **Show Border** - shows the field border.
 - **Show Field Type** - shows the field type.
- **Field Heading**
 - **Display Heading** - displays the field name heading.
 - **Font**
 - **Size**
 - **Text Color**

- **Bold**
- **Italic**
- **Underline**
- **Position** - the position of the heading text.
- **Alignment** - the alignment of the heading text in relation to the field box.
- **Added Text**
 - **Font**
 - **Size**
 - **Text Color**
 - **Bold**
 - **Italics**
 - **Underline**

Field Settings

When a field or added text is selected, the pane on the right would change to settings related to what is selected. These are just 2 new additions from what was seen in the Default Settings pane.

Core Fields\PHI\Name: First
(Text field)

Arial

10

B **I** **U**

≡ **≡** **≡**

Tab Order 1

Show Border
 Show Field Type

Heading

Display Heading

Heading Name: First

Tahoma

8

B **I** **U**

Position Left

Alignment Right

Help Text

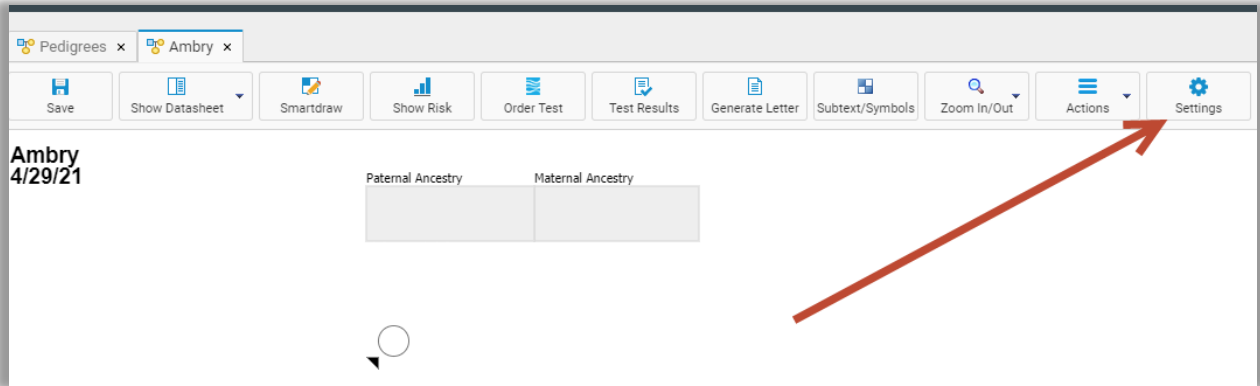
- **Tab Order** - specifies the tab order for the field.
- **Help Text** - text that is displayed when the mouse is moved over the help button that is displayed.

Formats

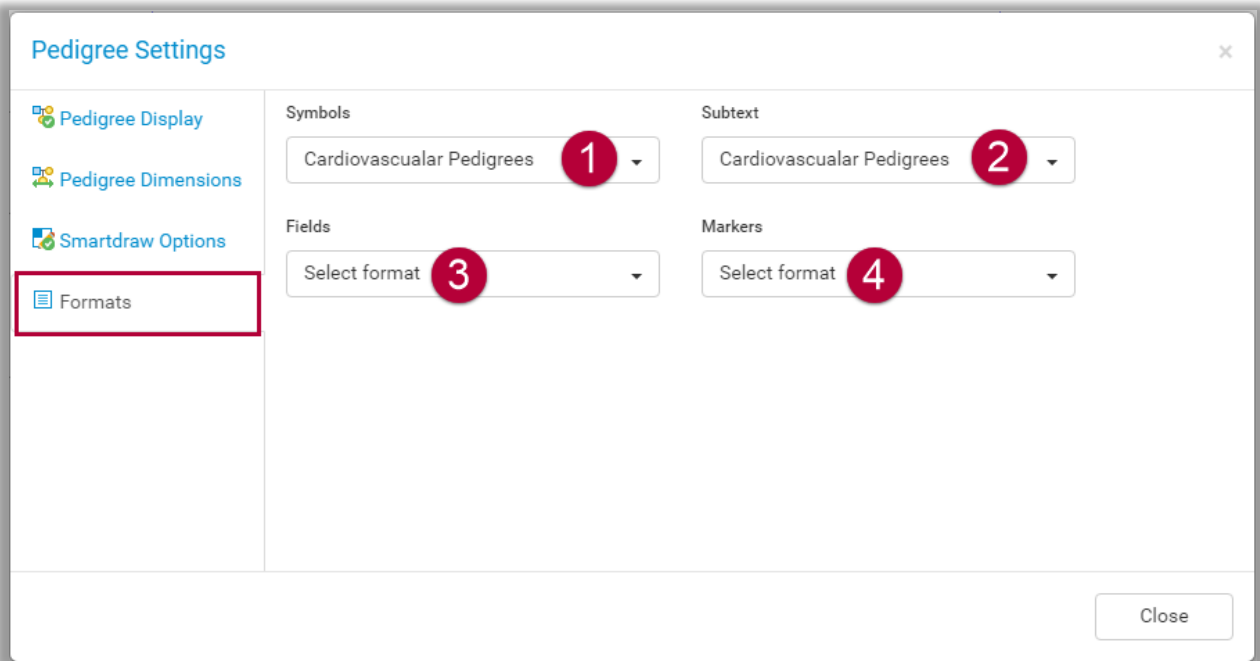
After an administrator has configured the necessary templates for datasheets, subtext, and icons, each configuration can be saved as an individual format. Retrieve this saved format by selecting it in the following ways:

Pedigrees

From the Pedigree canvas, select Settings.



Then select Formats in the window that opens.

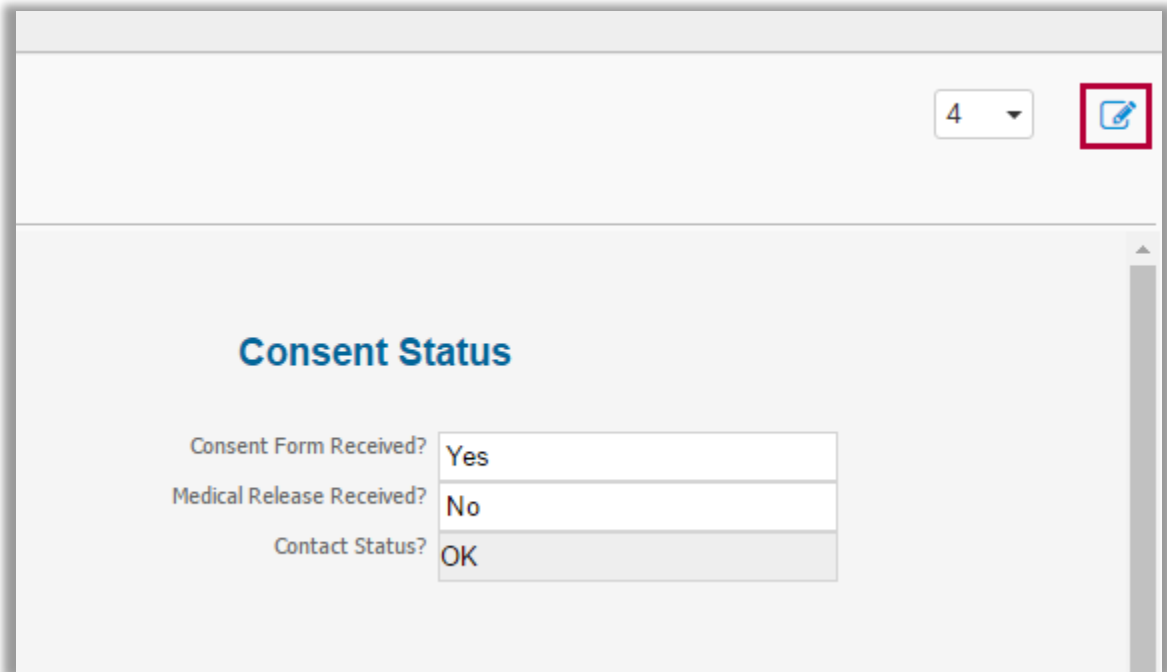


The types of available formats are:

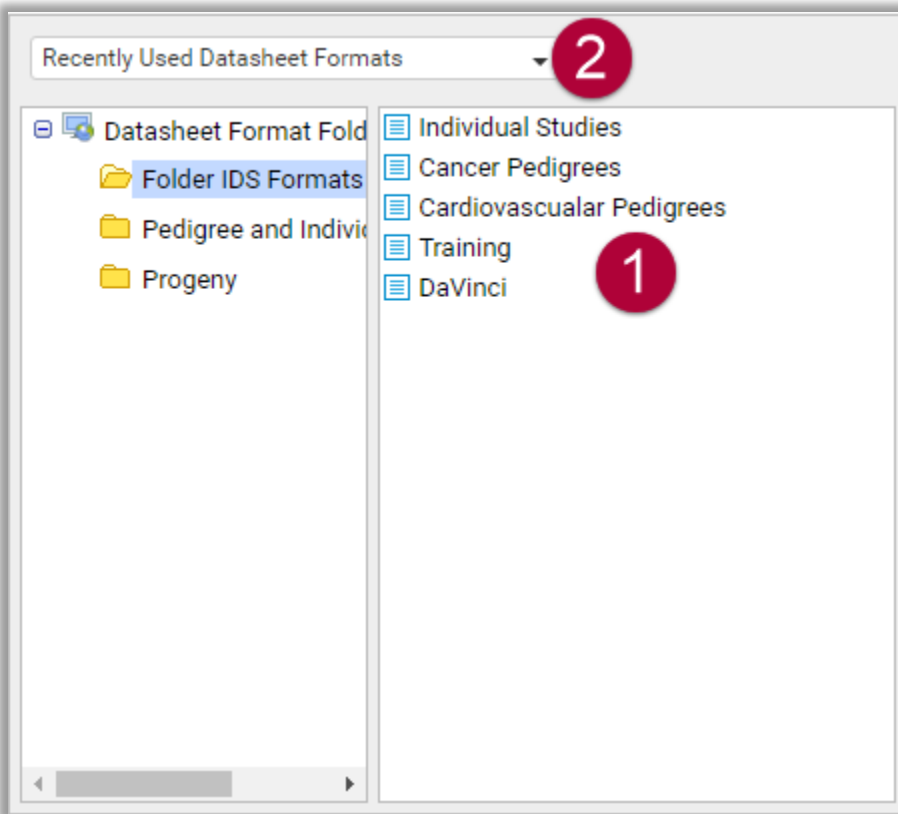
1. Symbols to select types of icons that appear.
2. Text that appears below the individuals in the pedigree.
3. Show certain fields on the pedigree canvas itself.
4. Select which genotype marker formats are used.

Individuals

Select the pen and pad at the top right.

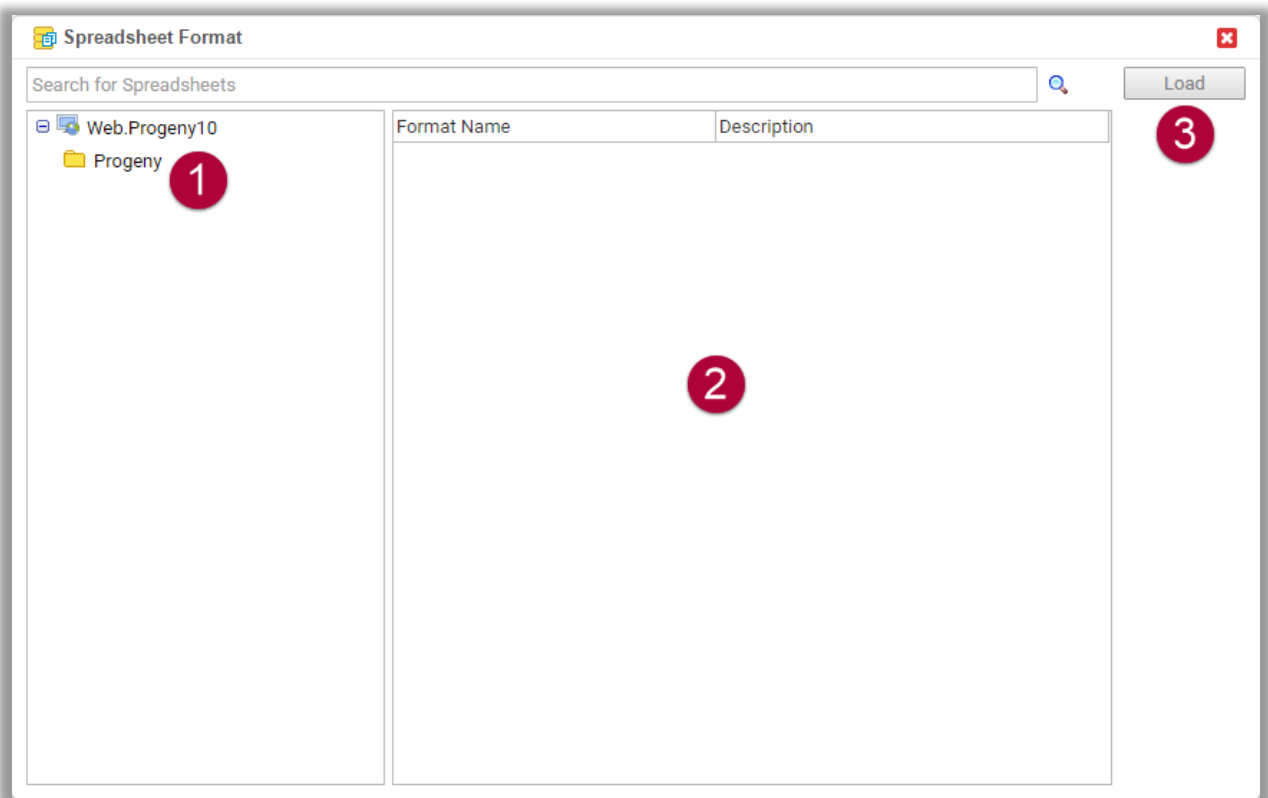
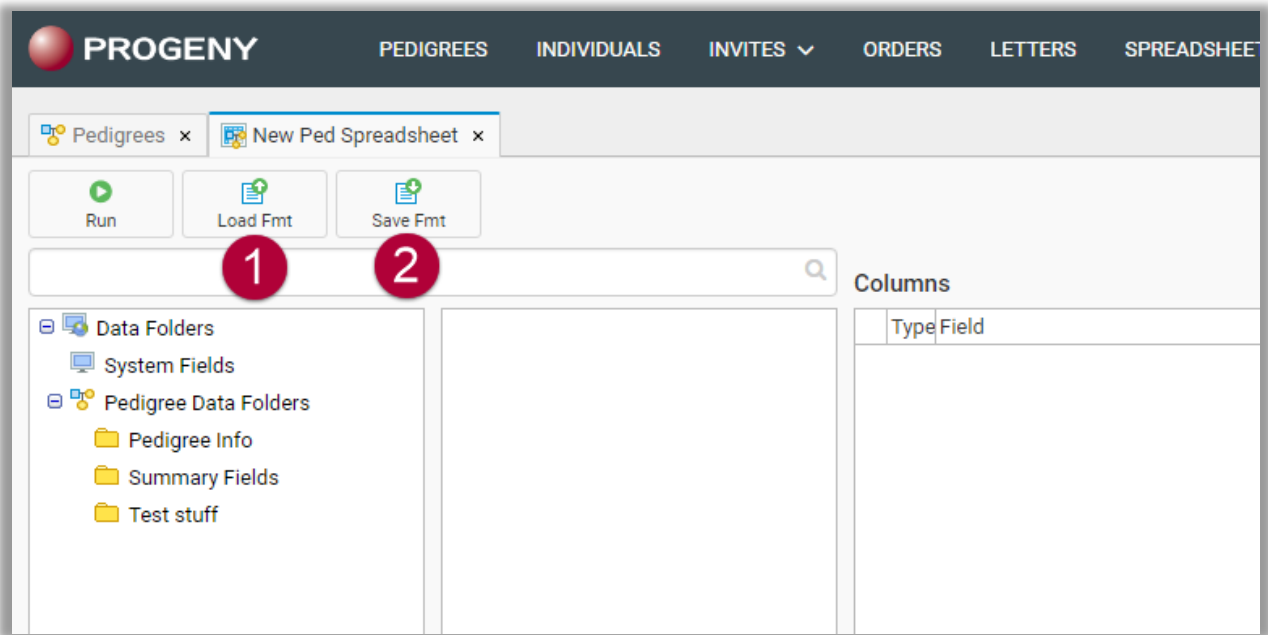


Select the folder having the format you want for the datasheet from section 1.
Select recently used formats from section 2.



Spreadsheets

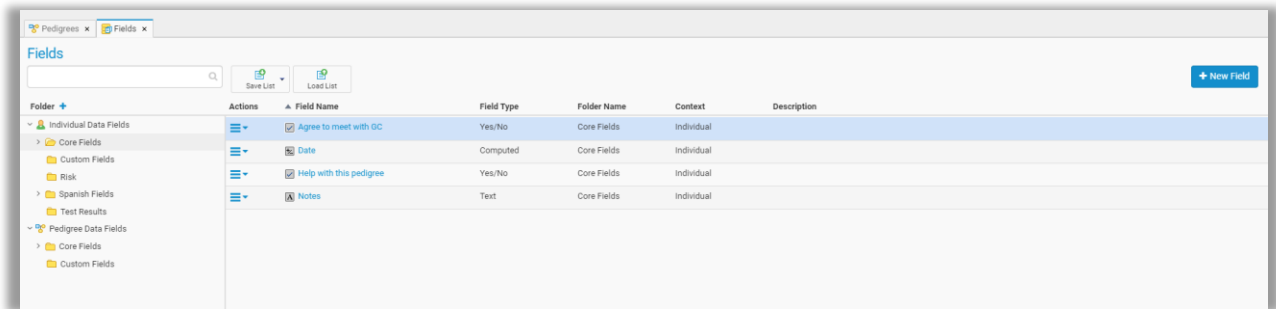
While creating a new Spreadsheet you can either save or load a format by selecting Load or Save format at the top.



Select the folder having the Format you wish to use in section 1, select the Format in section 2, and then select load in section 3.

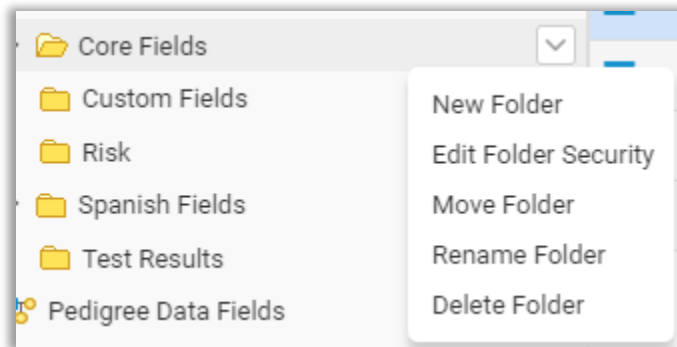
Fields Module

Fields can be managed in the Field module only by administrative users.



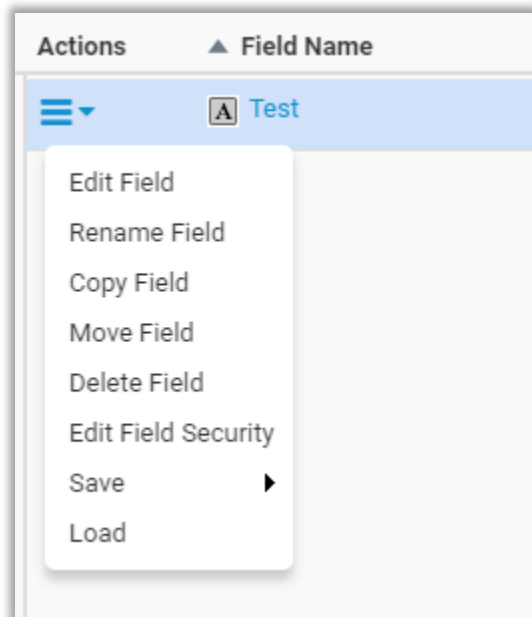
Field Folder Management

Fields are stored in folders on the left pane. To add a new folder, you can click the + icon under the search bar.



- **New Folder** - creates a new sub-folder.
- **Edit Folder Security** - edits the folder's security settings.
- **Move Folder** - moves the folder to another location.
- **Rename Folder** - renames the folder.
- **Delete Folder** - deleted the folder.

Field Actions Menu



- **Edit Field** - edits the field.
- **Rename Field** - renames the field.
- **Copy Field** - copies the field.
- **Move Field** - moves the field to another location.
- **Delete Field** - deletes the field.
- **Edit Field security** - edits the Read and Write permissions for the field.
- **Save**
 - **Save Selected Fields** - saves the selected fields into a text file.
 - **Save All Individual Data Fields** - save all individual level fields into a text file.
 - **Save All Pedigree Data Field** - save all pedigree level fields into a text file.
 - **Save All Fields** - save all fields in the database into a text file.
- **Load** - load fields from a text file.

New Fields

You can click the New Field button to create a new field.

Add New Field
×

Field Name:

Type of Field:

Default Value:

Description:

Validations

Required Field

Must Confirm Data Entry

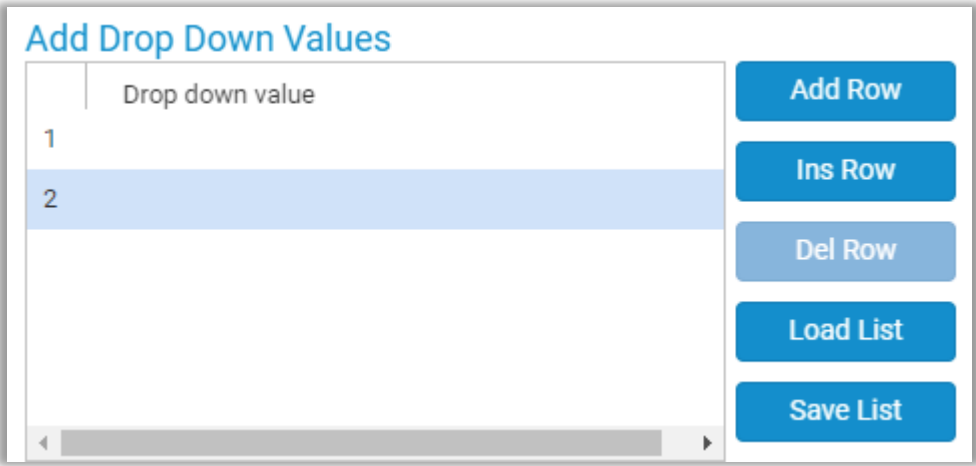
Unique Value

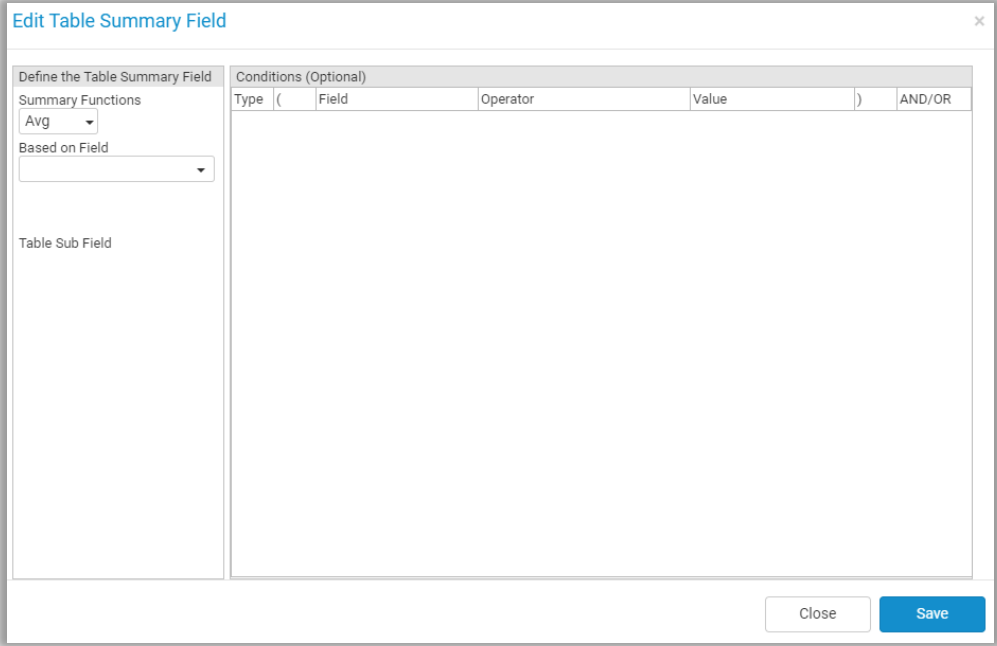
Specific Mask:

Maximum Number of Characters:

- **Field Name** - the name of the field.
- **Type of Field** - the type of field to be created.
- **Default Value** - the default value for the field.
- **Description** - a description of the field.
- **Validations**
 - **Required Field** - makes the field required and data must be entered on the datasheet before the rest of the data on the datasheet can be saved.
 - **Must Confirm Data Entry** - asks for confirmation of the data that is entered/changed.
 - **Unique Value** - makes the data unique throughout all the individuals.
 - **Specific Mask** - allows the specification of how the field data should be entered.
 - **Maximum Number of Characters** - the maximum number of characters for data that is entered in the field.

Data Field Types

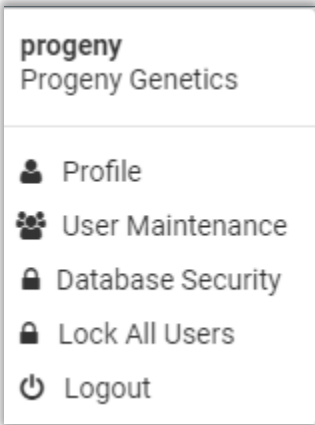
Field Type	Description
Text	Alphanumeric characters (all digits and printable characters) up to a maximum of 32,000 characters.
Date	M/D/YY or M/D/YYYY Additional Field options: <ul style="list-style-type: none"> • Within Specific Range - specified the date that can be entered be within a certain range.
Number	The digits 0-9. Negative numbers and decimals allowed. Additional Field options: <ul style="list-style-type: none"> • Within Specific Range - specified the date that can be entered be within a certain range.
Yes/No	Checkbox field that holds a value of either 1 (to show Yes) or 0 (to show No).
Dropdown	<p>Displays a list of pre-defined list of items from which the user can select one item.</p> <p>Dropdown fields can also be more efficiently updated by loading a list of items from a text file using the Load List button. Save List can be used to saved the current values to a text file, the file can be updated, and then re-loaded.</p> 
Image	Allows for the display of an image in an allowed format in the field.
Table	The field is to be included in a table. The field does not have a pre-defined value.

Lookup Table	The field is to be included in a table. The fields have pre-defined values.
Computed	No data entry is allowed in this field. Instead, a non-editable value is displayed in the field. The value that is displayed is automatically calculated based on the expression, function, or constant assigned to the field or values that are contained in other fields.
Summary	Gives summary information for a given column on a per pedigree basis. The summary can be an average, a total count, a minimum value, a maximum value, or a sum.
Table Summary	<p>A computed field that summarizes the data for a given column in each table. The summary functions that can be used are Average, Count, Maximum, Minimum, and Sum. Other conditions can be specified based on other fields in the database.</p> 
Hyperlink	Links to an external document, website, and so on.

User Drop-down Options

On the upper right corner of the page, click the drop-down arrow next to the image or you can also click the image to see a user drop-down menu.

The user’s username and name (if entered) will be displayed.

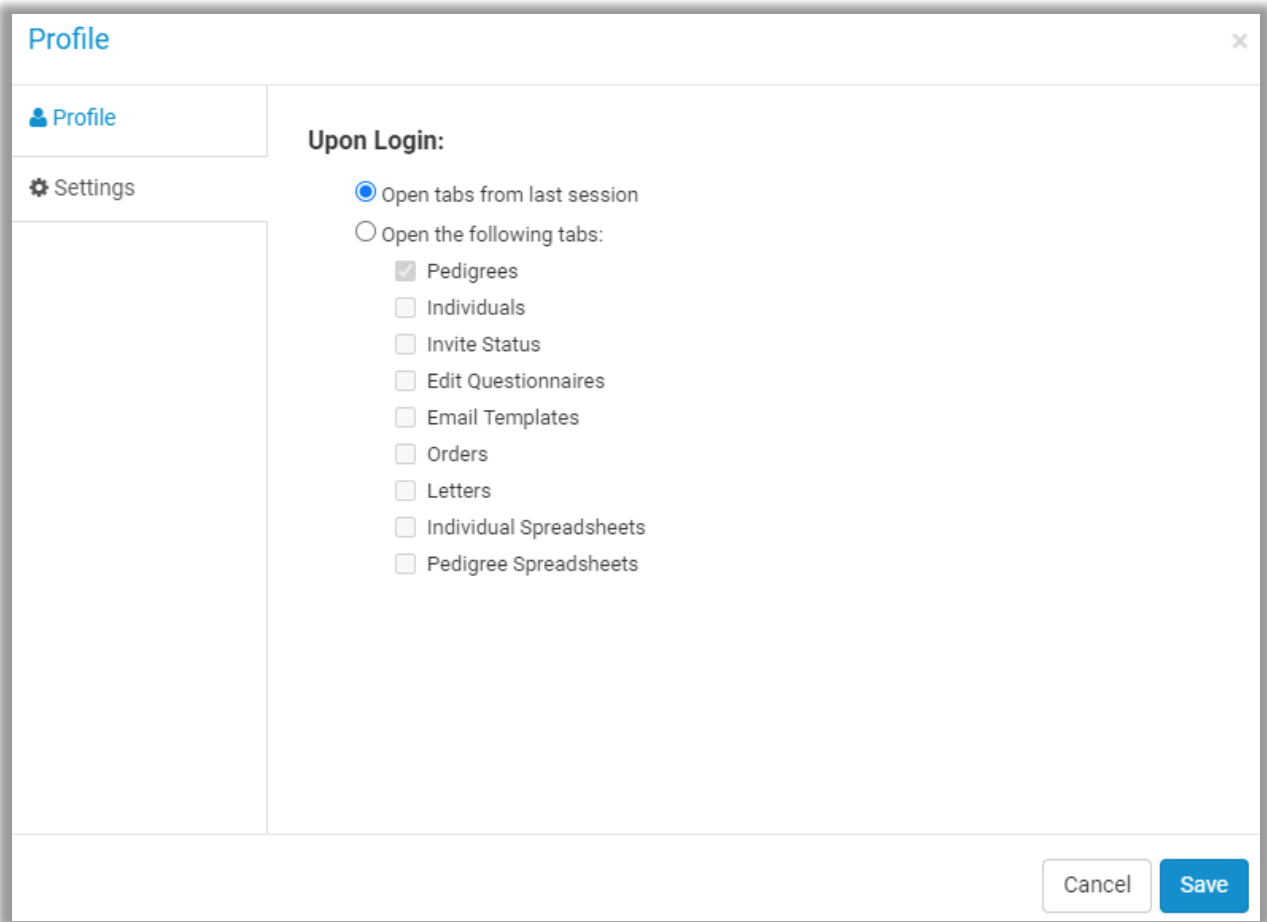


Profile

Clicking **Profile** allows the user to manage their basic user profile.

A screenshot of a "Profile" settings window. The window title is "Profile" with a close button (X) in the top right. On the left, there is a sidebar with "Profile" (selected) and "Settings". The main area shows a profile picture placeholder (a blue circle with a computer monitor icon) and two buttons below it: "Change" and "Remove". To the right of the picture are four form fields: "Username" (pre-filled with "progeny"), "First Name" (pre-filled with "Progeny"), "Last Name" (pre-filled with "Genetics"), and "Email" (pre-filled with "support@progenygenetics.com"). At the bottom right of the window are "Cancel" and "Save" buttons.

Here the user can edit their first and last name, email address, and their profile picture.

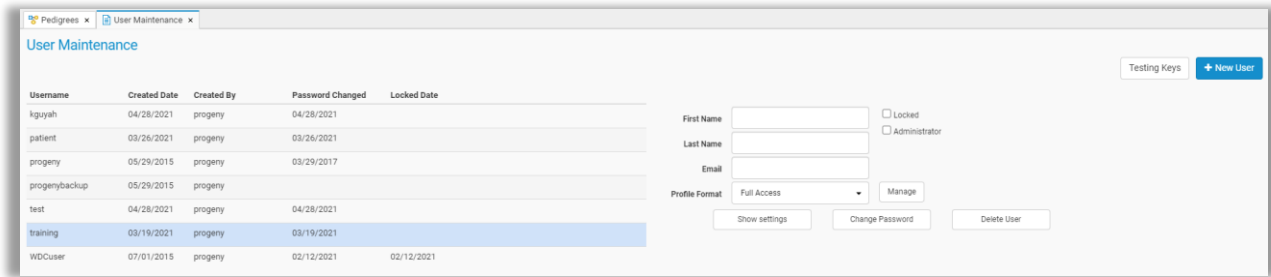


On the **Settings** tab, the user can choose how Progeny is displayed when they log in.

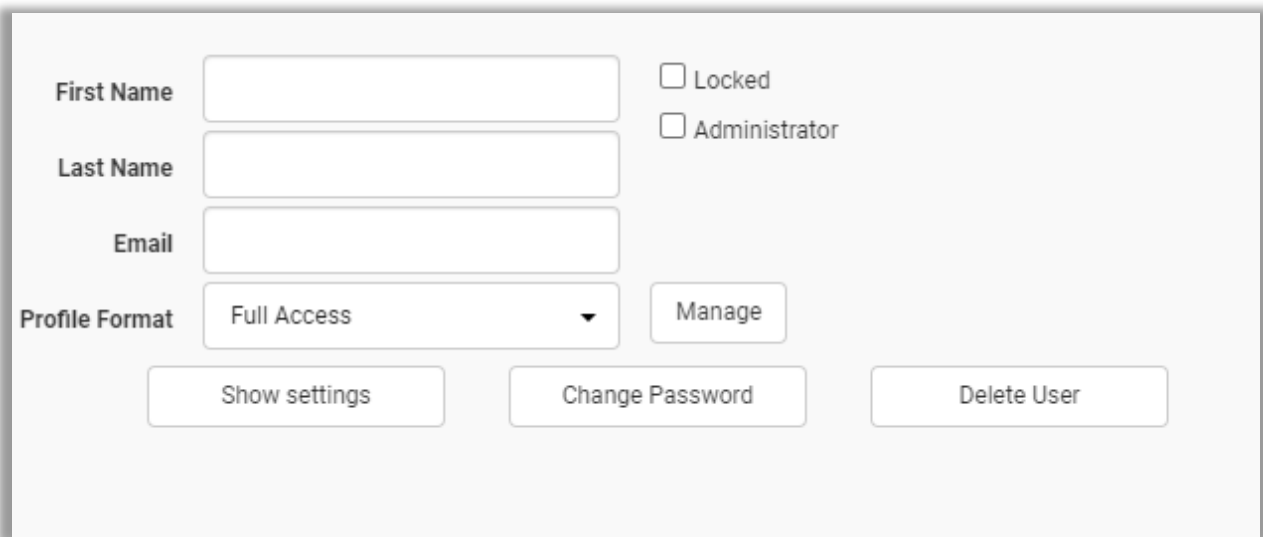
- **Open tabs from last session** - Opens the same tabs that were left opened in their last Progeny session.
- **Open the following tabs:** - Opens the selected tabs/modules.
 - Pedigrees - the Pedigrees module.
 - Individuals - the Individuals module.
 - Invite Status - the Invite Status module.
 - Edit Questionnaires - the Edit Questionnaire templates module.
 - Email Templates - the Email Templates module.
 - Orders - the Ambry Orders module.
 - Letters - the Letter templates module.
 - Individual Spreadsheets- the Individual Spreadsheets.
 - Pedigree Spreadsheets - the Pedigree Spreadsheets.

User Maintenance

Only administrative users will be able to see this option. This is used for managing the users in the database.



By selecting a user from the left-hand side, additional information for that user will be displayed on the right-hand side.



- **First Name** - the first name of the user
- **Last Name** - the last name of the user
- **Email** - the email address of the user. This is necessary if the user wants to be able to use the Reset Password functionality on the login page.
- **Profile Format** - the Profile format for the user. These formats can be managed using the Manage button to the right.
- **Show settings** - shows additional permission related settings.
 - **Security** - allows you to manage user classes. User classes are used to assign specific permissions and then make a user part of that class to have the permissions associated with that class.
 - **Licensing** - you can choose what permission a user has.
 - **Use class based options** - when selected, the licensing options that were specified in the user classes will be used instead of the ones on this Licensing tab.
 - **Licenses**

- **Form Design** - no longer used. Previously gave access to manage the datasheet design but this feature is now limited to administrative users.
 - **Save Icon Formats** - no longer used. Previously gave access to manage the Symbols/Subtext settings but this feature is now limited to administrative users.
 - **Edit Actions and Reaction** - no longer used. Related to Progeny LIMS which has been removed.
 - **Tasks** - no longer used. Previously used to create tasks and reminders.
 - **Inventory** - no longer used. Related to Progeny LIMS which has been removed.
 - **Orders** - gives access to the Orders module to view Ambry Genetic Test Orders
 - **Test Results** - gives access to the Test Results module to manage Genetic Tests.
 - **Individual SS** - gives access to the Spreadsheets module.
 - **Save Pedigree Properties** - allows a user to save any pedigree properties that were changed for a pedigree. Otherwise, any setting would revert once the pedigree is closed.
 - **Fields** - no longer used. Previously gave access to manage the Fields but this feature is now limited to administrative users.
 - **Pedigrees** - gives access to the Pedigrees module.
 - **Workflows** - no longer used. Related to Progeny LIMS which has been removed.
 - **Invites** - gives access to the Invites module for sending out questionnaires.
 - **Save/Delete SS Formats** - gives permissions to save and delete spreadsheet formats.
 - **Enforce Data Entry Validations** - **require a user to abide by any field validation that has been set. Field validations include setting a field as required, confirm entry, unique values, etc.**
 - **Samples** - no longer used. Related to Progeny LIMS which has been removed.
 - **Individuals** - gives access to the Individuals module to manage individuals.
 - **Containers** - no longer used. Related to Progeny LIMS which has been removed.
 - **Invites Admin** - gives access to the Edit Questionnaire to manage the questionnaire templates and the Email Templates to manage the email templates for the questionnaires.
- **Client Interface**
 - **Use Full Progeny Client** - uses the normal Progeny interface.
 - **Use Patients Client** - no longer used. Previously used the simplified patient interface.

- **Formats** - gives the ability to set specific default formats for a user. This will override the default format that has been set on the folder level.
- **Ambry IDs** - the Ambry ID for linking your Ambry Account to your Progeny account. This is necessary for ordering Genetics Tests from Ambry through Progeny.
- **Locked** - used to manually lock/unlock a user.
- **Administrator** - makes a user an administrative user in the database with no restrictions to permissions. This enables the user to access to the User Maintenance, Folder Permissions, Database Security, Datasheet and Fields modules, and the ability to manage the Symbols/Subtext formats.
- **Manage** - manages all the profile formats in the database. You can update the format's permissions, add new formats, and delete existing formats.
- **Change Password** - changes the selected user's password to a temporary password. When the specified user logs in with that password, they will be prompted to change it.
- **Delete Users** - deletes the user from the database.

Database Security

This is used to configure other database related settings.

Database Security Settings ✕

User Security Settings

Lock Inactive Users After: Days

Passwords Expire After: Days

Archive the previous Passwords

Minimum password length: Characters

Database Options

Force Pedigree Name to be Unique

Force Individual Name to be Unique

Folder Security Settings

Class Name	Add Fold?	Del Fold?	Modify Fold?	Add D Fold?	Del D Fold?	Modify D Fold?
All Users	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basic - Full Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basic - Read Only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EditPHI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IndivSS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mod-Indiv	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mod-Invite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mod-Ped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ProgAdmin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- **User Security Settings**
 - **Lock Inactive Users After x Days**
 - **Passwords Expire After x Days**
 - **Archive the previous x Passwords**
 - **Minimum password length x Characters**
- **Database Options**
 - **Force Pedigree Name to be Unique** - all pedigree names must be unique.
 - **Force Individual Name to be Unique** - all individual names must be unique.
- **Folder Security Settings**
 - **Add Folder** - the permission to add pedigree folders.
 - **Delete Folder** - the permission to delete pedigree folders.
 - **Modify Folder** - the permission to modify pedigree folders.
 - **Add Data Folder** - the permission to add data field folders.

- **Delete Data Folder** - the permission to delete data field folders.
- **Modify Data Folder** - the permission to modify data field folders.

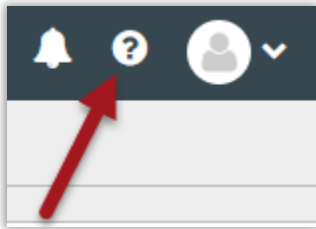
Lock All Users

This functionality is used in tandem with the field's module. To make changes to any fields, users must first be locked out from accessing the database to prevent corruption.

Logout

Here the user can choose to log out of Progeny.

Help



If you need more help with using progeny, there is a help button next to the login logo that can be clicked which opens the Progeny Learning Center webpage. From that page, you can review articles, videos, and user guides.

That webpage that is opened is <http://www.progenygenetics.com/learning-center/>

Contact Us

Need further help? Check out our Learning Center at <http://www.progenygenetics.com/learning-center/>

Our Support Team is here to help! You can reach us at the contact information below.

Email: support@progenygenetics.com

Phone: 1(800)-PROGENY

Support: 1(800)776-4369 x1

Accounts: 1(800)776-4369 x2

Sales: 1(800)776-4369 x3

