atmolytics

Administrative Functions

User Guide v2.66





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1 Introduction

The Administration area of the Atmolytics software enables system administrators to carry out a wide range of activities, including the following:

Access Management

- Setting up Roles and Permissions
- Setting up new **Users**
- Viewing information about Atmolytics Licenses

Report Management

- Monitoring of Pending Reports and Report Schedule
- Setting up and managing default **Result Bandings** for continuous variables such as costs and length of stay

System Management

- Managing Announcements
- Managing **Cohort Insights**
- Managing **Cohort Insight Sets** for other users
- Setting up **Personnel Groups** (e.g. all clinicians, all researchers) to make for easy selection and reporting
- ETL Overview
- Carrying out Housekeeping
- Management of the **Cultures and Languages** used throughout the system
- Management of the **Resources** (e.g. key terms, screen labels) used throughout Atmolytics
- System Configuration of Admission types and Report types

System Monitoring

- System Status
- Nightly Job Overview
- Quartz Schedule
- Queue Status
- Data Integrity
- Audit Logs
- System Logs

The Administration menu can be accessed by clicking your initials at the far right of the top menu bar:



2 A Note about Terminology

Because Atmolytics is fully configurable, different organizations may use different terms to describe the individuals and events they are working with, and these will be reflected in the Atmolytics screens. For example, one organization's **patients**, **admissions** and **reports** may be another organization's **service users**, **involvements** and **explorations**.

Your organization may use different terminology in their implementation of Atmolytics, and in later chapters you'll learn how to configure terms to meet your own organization's requirements.

In this user guide, we've used the terminology **patients**, **admissions** and **reports** throughout.

We refer to the 'start' area of Atmolytics (found by clicking the **u** icon) as the **Home** area.

3 Roles and Permissions

Atmolytics has a flexible security system which is based around roles.

A role is a type of profile which specifies the patients, data, reporting Apps and locations that anyone with that role can access. Additionally, permissions are set for reading, creating and sharing both cohorts and reports.

Roles are created by the system administrator. Permissions are assigned to these roles, and roles are assigned to users.

This allows the creation of roles to represent projects, groups, or related staff members who should share certain permissions. In this way, protected health information (or other types of sensitive data) can be restricted to certain roles.

A user can have more than one role. If they do, they will be prompted to select the one they want to use for the current session after they have logged in.

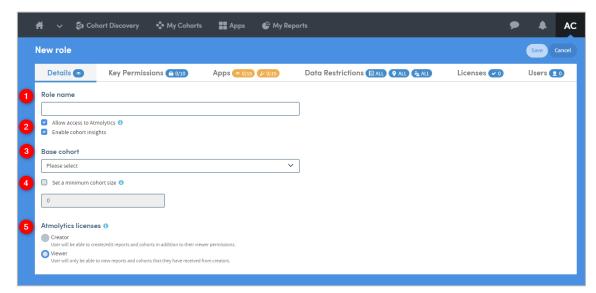
Click your initials at the top right of the screen and choose **Access Management > Roles & Permissions** from the menu. You will see a screen similar to the one below:

🚱 Cohort Discovery	🔹 My Cohorts	Apps	🕒 My Reports	۶	•	AC
Roles () Create New		📒 Hide ina	active roles			
ROLE NAME V			NUMBER OF MEMBERS	ACTIVE		
Admin Role			33	YES		
Cardiology researcher			2	YES		
Clinical Research			1	YES		
Clinical role			2	NO		
Decision support			2	YES		
Default Role			30	YES		
New Test Role			0	NO		
Quality improvement			3	YES		
					_	

This is a list of all the roles currently available on the system. Tick or untick the check box at the top of the screen to view or hide **Inactive** roles. These are explained below.

Click **Create New** on the top left of the screen to add a new role, or click the name of an existing role to edit it. Whichever you choose, you will be presented with a screen containing several tabs, each of which is explained in the following sections.

3.1 Details



Highlighted features are as follows:

m D Add or edit the **Role name**.

It is possible to control **access to Atmolytics**. If this checkbox is unticked, the role becomes **Inactive**. It can still be assigned to users, but it won't be selectable by users when logging on to Atmolytics. In this way, roles can be hidden without having to delete them or remove each user's access to them.

Enable cohort insights to allow the role to view the Cohort Insights section of Atmolytics.

Any cohort can be selected as the **Base Cohort** for the role. The base cohort is the entire group of patients that the person with this role can report upon. Atmolytics will not permit users to access any patient data if that data does not belong to a member of their base cohort.

⁴ It is possible to set a minimum cohort size to be included in any report, to prevent identification of individuals by the use of multiple selection criteria. If a minimum number is set, and the user tries to produce a report on a cohort containing less than that number, they are given a message to the effect that they are not permitted to do so, and the report will not run.

⁵ There are two Atmolytics licenses available to assign to a role: **Creator** and **Viewer**.

Selecting one of these imposes a default set of permissions on the role. As well as these 'blanket' licenses, it is possible to further edit the default set of permissions on a role-by-role basis, using the tabs at the top of the Roles screen.

A **Creator** can create and edit reports and cohorts. In addition, a **Creator** can be assigned any or all permissions from the tabs at the top of the Roles screen.

A **Viewer** can only view reports and cohorts that they have received from a creator. They cannot edit or change any of the cohorts, report criteria or generated reports made available to them by a creator. In addition, selecting the **Viewer** option means that several permissions from the tabs at the top of the Roles screen become unavailable and cannot be assigned to the user.

3.2 Key permissions

New role Cance Details 💋 Key Permissions 🙃 8/10 Apps 💿 15/15 🔗 15/15 Users 👥 Data Restrictions (ALL Q ALL & ALL Licenses 🔽 Some permissions are selected by default, but you can change these if you wish. If you have selected a Viewer license, certain permissions will be unavailable. Note: giving the Access Admin permission will create a role with access to the full settings menu and the ability to carry out all administrative tasks, including managing roles, users, and nermissions PERMISSION TYPE DESCRIPTION Access Admin Allow user to access and change application settings A PHI Share Cohorts Allow user to share their cohorts with other user ~ Create Cohorts Allow user to create cohorts View Cohorts Allow user to view cohorts Update Cohorts Allow user to update cohort Run Quick Id Reports Allow user to access the quick id feature to view ide A PHI 2 Share Report Output Allow user to share report outputs with other users Send Reports Definitions Allow user to share report definitions with oth View Financial Data Allow user to view financial data Share To Other Roles Allow user to share reports/cohorts with users in other ro A PHI **Share Report Output Options** e any additional roles that this role should be able to share report outputs with Optionally, cho Note - you will not be able to share Data Export reports to these roles Search

The key functional permissions contained within this tab are listed below:

Access Admin. A user assigned this role can access and change all the application settings available in the Admin menu of Atmolytics.

Share Cohorts. Allows the user to share a cohort with other users of the system. In fact, the user is sharing a **cohort definition**: a set of filtering criteria which are applied to a base cohort to produce a subset of that base cohort. These cohort definitions can be shared with users of any role, which means that the recipient may have a different base cohort from the sending user. However, even when a cohort definition is shared, the receiving user will not be able to use it to produce reports that go beyond the scope of their own base cohort. Note also that because subgroups do not comprise sets of filters but rather lists of IDs, Atmolytics does NOT allow them to be shared, as this could result in the permissions model being broken.

Create Cohorts. Allows users to create cohorts using the **Cohort Discovery** and **subgroup** functions. Without this permission, users receive a message stating that they

cannot create cohorts. Cloning is not permitted and nor is access to the Cohort Discovery area.

View Cohorts. Allows users to view cohorts.

Update Cohorts. This allows the user to edit an existing cohort. However, this permission on its own does not enable users to create cohorts, so both **Create** and **Update** options should be enabled in the normal run of things, when setting up a user to work with cohorts.

Run Quick ID Reports. The Cohort Discovery section of Atmolytics contains a **Quick ID** function, which enables users to download a list of names and IDs of all the patients belonging to the selected cohort. Access to this function can be controlled here.

Share Report Output. This allows users to share **outputs** of reports that they have created. Users can only share outputs with users sharing the same role as themselves, unless their permission level is extended using the **Share Report Output Options** below.

Send Report Definitions. Allows the user to share a report **definition** with other users. Report definitions can be shared with users of any role, which means that the recipient may have a different base cohort from the sending user. However, note that when shared, the report definition will not permit the receiving user to run the report on patients to whom they do not have permitted access, nor will the system share a report that uses an App to which the receiving user does not have access.

View Financial Data. Allows users to view financial data.

Share To Other Roles. Allows users to share report definitions and cohorts with other roles (this works in concert with **Share Cohorts** and **Send Report Definitions** above). If this is unchecked, the user cannot see or access other roles in the system. If they are permitted to share cohorts or report definitions, they can only do so within their own role if this permission is not checked.

Share Report Output Options. By default, users can only share report outputs with other users sharing the same role as themselves and, therefore, the same base cohort. This is to prevent the risk of users from other roles receiving and viewing report output data that they should not be permitted to see. However, in some circumstances this is overly restrictive; e.g. it might mean that a junior doctor could not share a worrying finding with his head of department because they had different roles. Hence, the system allows the specification of additional roles that the user can share output data with, over and above their own, as required. **Note that in effect this is potentially overriding other users' role restrictions and so should be used sparingly, and with care.**

A PHI Items marked as Protected Health Information (**PHI**) allow users to view Protected Health Information data or share Protected Health Information data with others. There may also be datasets containing PHI data. These should not be made available to non-PHI roles.

The responsibility for ensuring that PHI permissions are only assigned to roles that should be permitted to view PHI data lies with the user creating the role.

3.3 Apps

This tab is used to determine which Apps are available for users of this role. The key functional permissions contained within the tab are listed below:

Details 💋	Key Permissions (2) 8/10 Apps (2) 15/15 (2/ 15/15)	Data Restrictions 🔳	ALL 💊 ALL 😤 ALL	Licenses 🗸 💿	Users 👥
he view option enables u	users within this role to receive and view reports generated using that ap	p, but they cannot access the a	pp or specify or run any rep	oorts themselves.	
he create option enables	s users within this role to access the app and create and run their own rep	ports (subject to any other restr	rictions imposed on their ro	ole).	
1		2		3	
NAME	DESCRIPTION	REQUIRED DATASETS	VIEW REPORT	CREATE REPO	RTS
Activity Counter	Counts occurrences of one or more activities per patient, per visit/admission and overall.	Any	۵	٥	
All the Answers	Counts and frequencies of all answers for every data item within any selected form or dataset.	Any	0	٥	
Events and Processes	Define a standard interval between any two events, set a benchmark and report on performance, overall and by time, location or person.	Any	0	٥	
Health Dimensions	Cross-sectional and trends analysis of measures of health status and functioning.	Any	•	0	
Identity Check 🛕 PHI	Tabular lists of identifying details and selected attributes of all cohort members.	Patient Registration	•	٢	
Lab Tests Explorer	Explore the lab tests undertaken with any selected cohorts of patients using both hig level classifications and low-level detail	h	٥	٥	
Visits Revisited	Analysis of numbers and duration of admissions and visits, readmissions rates & associated costs or charges.		Ø		

1 All the reporting Apps available in the system are listed here.

Some Apps require specific datasets to be available in order to run, e.g. the Identity Check App requires a patient registration dataset.

Any role can be given **view reports** and/or **create reports** permissions for any App. The permissions available here may be restricted, depending on which Atmolytics license (**Creator** or **Viewer**) has been assigned to the role.

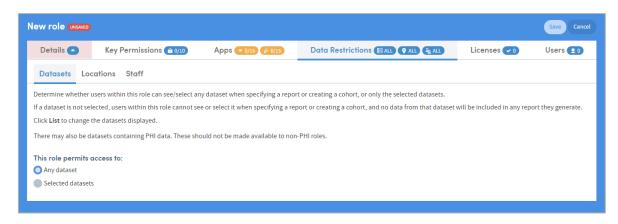
3.4 Data restrictions

Administrators can restrict user access (on a role-by-role basis) to selected datasets, locations or staff if required.

3.4.1 Datasets

This is where administrators can determine whether users within this role can see and work with **any** dataset when specifying a report or creating a cohort, or only **selected** datasets.

If a dataset is not selected, users within this role cannot see or choose it when specifying a report or creating a cohort, and no data from that dataset will be included in any report they generate.



To set restrictions, click **Selected datasets** and choose the **permitted** datasets from the list by checking the boxes:

New role UNSAVED					Save Cancel
Details 💿	Key Permissions 🔒 0/10	Apps • 0/15 6/15	Data Restrictions 💷 🖓 ALL 😤 ALL	Licenses 🗸 🛛	Users 👤 🛛
Datasets Loo	cations Staff				
If a dataset is not set Click List to change There may also be d This role permits o Any dataset	lected, users within this role cannot see the datasets displayed. atasets containing PHI data. These shou coccess to:	or select it when specifying a rep	or creating a cohort, or only the selected datasets. ort or creating a cohort, and no data from that datase PHI roles.	t will be included in any rep	ort they generate.
Selected datasets Search Blood Sugar R Lab Result Level of Care F Medication Pr Vital Signs Rev	Record escription	Select all			List V

3.4.2 Locations

This is where administrators can determine whether users within this role can see and work with **any** location when specifying a report or creating a cohort, or only **selected** locations.

These permissions are specifically for restricting admission data and will not affect anything else.



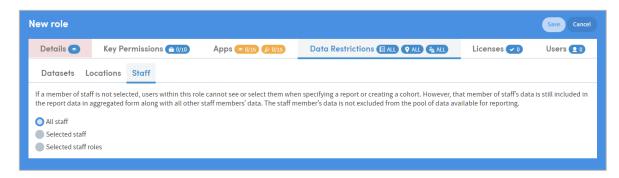
To set restrictions, click **Selected locations** and choose the **permitted** locations from the list by checking the boxes:

New role					Save Cancel
Details 💿	Key Permissions 🍙 0/10	Apps • 0/15 🖉 0/15	Data Restrictions 🗐 🤉 🧟 ALL	Licenses 🗸 🛛	Users 👥
Datasets I	Locations Staff				
These permission	ns are specifically for restricting admis	sion data and will not affect any	thing else.		
This role permi Any location Selected locat Search		Select all			
Adult	plogy and partness	Adm			Î
CAT scan	cular center				Ţ

3.4.3 Staff

This is where administrators can determine whether users within this role can see and work with **any** members of staff when specifying a report or creating a cohort, or only **selected** staff or staff roles.

If a member of staff is not selected, users within this role cannot see or select them when specifying a report or creating a cohort. However, that member of staff's data is still included in the report data in aggregated form along with all other staff members' data. The staff member's data is not excluded from the pool of data available for reporting.



To set restrictions, click **Selected staff** and choose the **permitted** staff or staff roles by entering your search text and selecting from the list by checking the boxes.

Staff members:

data is still or reporting.
n reporting.

Staff roles:

New role					Save Cancel
Details 💿	Key Permissions 🔒 0/10	Apps • 0/15 6⁄ 0/15	Data Restrictions 目 2 오 😤 0	Licenses 🗸 🛛	Users 👤 🛛
Datasets Lo	ocations Staff				
			n specifying a report or creating a cohort. Howe The staff member's data is not excluded from th		
All staff		TOICION			<u>-</u>
 Selected staff Selected staff ro 		hysician			
physi	15 0	dm	Search		
Admitting physi	ician ing	physic			
Attending physi	վեր				
Discharging phy	<u>ysi</u> c				

3.5 Licenses

This tab is used to determine whether users have access to particular clinical coding systems. Tick the checkboxes to make the selections:

lew role					Save Cance
Details 💿	Key Permissions 🙆 0/10	Apps • 0/15 🔗 0/15	Data Restrictions 目 ? 🧕 ?	Licenses 🗸 🕡	Users 👤 🛛
Select the licensed clinical coding systems available to a user within this role.					
PERMISSION TYPE	DESCRIPTION		VIEW		
CPT 2011 license	ense Allow user use of CPT 2011 clinical coding system.		0		
CPT 2013 license Allow user use of CPT 2013 clinical coding system.		0			

3.6 Users

The **Users** tab is where users are added to and removed from roles. In this example, we'll look at the Users tab of a role (Clinical Research) which has already been created, and has three users assigned to it.

Details 🕢	Key Permissions 🖻 10/10	Apps 💿 15/15 🖉 15/15	Data Restrictions 目 🛛 🖓 ALL 😤 ALL	Licenses 🗸 🔰 Users
Selected Users	3 +		1	
Search				< Page 1 of 1 Total Items: 3
Dillavilare			2	Iotar remis. 3
	Wilson Occupation: No Occupation Email ad me: Bowers Occupation: No Occupation Ema			-
	Oates Occupation: No Occupation Email ad			

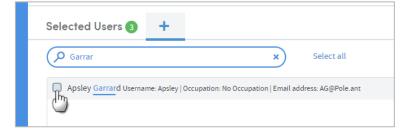
The **Selected Users** tab shows the users assigned to this role:

¹ Click the **X** next to a user's name to remove them from this role.

Click the + symbol to access the Add Users tab:

dit role – Clir	nical Research			Save	Clone Cance
Details 💋	Key Permissions 🝙 10/10	Apps 💿 15/15 🔗 15/15	Data Restrictions 目 💡 ALL 😤 ALL	Licenses 🗸 2	Users 👥 3
Selected Use	rs 3 🕂				
Search		Select all			age 1 v of 2 >
Apsley Garran	rd Username: Apsley Occupation: No	ail address: AG@Pole.ant	,	\frown	•
Bill Wilson Us	sernam.	AP ss: BW@Pole.ant		Add	
Birdie Bower	'S Username: Bowers Occupatio	Bil ddress: BB@Pole.ant			
	\bigcirc				Add

Click the check boxes next to users' names to add them to the role. Be sure to click **Add** when you have made your selections. Alternatively, you can enter text in the search box to narrow down the list of users:



Again, be sure to click **Add** (towards the bottom-right of the screen) when you have made your selection.

The **Selected Users** tab will reflect the choices you have made:

lit role – Clinico	al Research			Sa	ve Clone Cance		
Details	Key Permissions	Apps	Data Restrictions	Licenses	Users		
Selected Users	+						
Search				<	Page 1 of 1 > Total Items: 4		
Bill Wilson Username: W	ilson Occupation: No Occupation Email address:	BW@Pole.ant			×		
Birdie Bowers Username	e: Bowers Occupation: No Occupation Email add	ress: BB@Pole.ant			×		
Titus Oates Username: C	Titus Oates Username: Oates Occupation: No Occupation Email address: TO@Pole.ant						
Apsley Garrard Usernan	ne: Apsley Occupation: No Occupation Email add	lress: AG@Pole.ant			×		

Confirm your selections by clicking **Save** (towards the top-right of the screen).

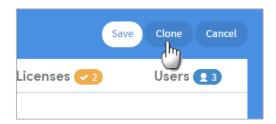
3.7 Cloning roles

To avoid repeating a long series of possibly complex steps in order to create two separate roles which are configured in the same way or in very similar ways, it is possible to clone an existing role. Cloned roles can be edited if any changes are needed.

Administrators can also clone the role's membership, meaning that all users who were members of the original role will also be members of the clone role. Alternatively, the clone can be created as an empty role which users can be assigned to.

Go to **Access Management > Roles & Permissions**, and open an existing role by clicking its name in the list.

Click **Clone** (towards the top right of the screen):



You will be prompted to name the clone, and choose whether to include the users who are already assigned to the original role. Click **Clone role** to confirm your choices:

Clone role	×
Role name	
Clinical Research - [Clone]	
Include selected users 3	
	Clone role Cancel

The cloned role will appear in DRAFT form:

dit role – Clinic	cal Research - [Clone] DRA	FT 0			Save Can
Details 💋	Key Permissions 🍙 10/10	Apps • 15/15 15/15	Data Restrictions 目 🔍 ALL 🔌 ALL	Licenses 🔽 2	Users 👥 3
Role name					
Clinical Research - [Cl	lone]				
 Allow access to Atm Enable cohort insig 					
Base cohort					
Base cohort – All patie	ents (14,365 patients)	~			
Set a minimum coh	ort size 🚯				
0					
Atmolytics licenses	s 🚯				
Creator User will be able to crea	ate/edit reports and cohorts in addition to their viewe o view reports and cohorts that they have received fro				

Make any changes you require, and click **Save** to confirm. The clone will appear in the roles list, where it can be edited and assigned in the same way as any other role:

Coles Create New	Hide inactive roles Search roles	
ROLE NAME Y	NUMBER OF MEMBERS	ACTIVE
Admin Role (This is a core system role with full access, and cannot be edited)	34	YES
Clinical Research	3	YES
Clinical Research Role 2	3	YES
Default Role	36	YES
Financial	1	YES

4 Users

System administrators can create new users, edit user details, and assign roles to users. Users who are not system administrators cannot view or access this part of the Atmolytics software. They cannot change their usernames, roles or permissions, but they are able to edit some of their own personal details and change their own passwords via the **My Details** option in the drop-down menu below their username.

Click your initials at the top right of the screen and choose **Access Management > Users** from the menu. You will see a screen similar to the one below:

ers o New 1			2 🕑	Exclude inactive users/roles	All roles 🗸 🗸	A Search	1 USERS
FULL NAME 🗸	USERNAME	EMAIL A	DDRESS	ROLES	4	ACTIVE?	EXTERNAL?
Doctor B Wilson	Bill	bw@ho	spital.ant	Default Role, Admin Rol	e, Test,	YES	NO
Doctor Thomasina Crean	Crean	tc@hos	pital.ant	3 Default Role, Admin Role Allowed To Share,	e, Role Allowed To Share, Role Not	YES	NO
Henry Bowers	Birdie	hrb@hc	ospital.ant	Default Role, Admin Rol	le	YES	NO
Doctor Falcon Scott	Scott	rfs@ho	spital.ant	Default Role, Admin Rol	le, Clinical Research	YES	NO
Prof. Edwina Evans	E.Evans	ee@ho	spital.ant	Default Role, Admin Rol	le	YES	NO
Lawrence Oates	Titus	Later	ospital.ant	Default Role, Admin Rol		YES	NO

Click **Create New** to create a new user. You can also select an existing user from the list if you wish to edit their details, including the roles assigned to them.

2 Include or exclude inactive users from the user list.

View the list of roles that each user has assigned to them (any user can have multiple roles).

Active? Indicates whether users are currently active or inactive.

External? Indicates whether a user has logged-in via external access, using Atmodentity. External users cannot be created in the Users admin area. They are automatically created when they log-in for the first time.

4.1 Create or edit users

Create New User 🛛			Save Cancel			
Personal Details		Account Details				
First name*		Username*				
Last name*	Last name*					
Initials*		Confirm password*				
Occupation						
Email address						
Culture						
EN-US 🗸						
Roles ()						
Role A	Role Allowed To Share	C Role B	Role C			
Role D	🔲 Role E	Role F	Role Not Allowed To Share			
Role X - Can only see 5 locations	Test					
Permissions ()						
Allow access to Atmolytics						

Use this page to enter or update a user's details. Click **Save** when finished.

Use the tick boxes to select the **Roles** you wish to assign to this user. The user will only be able to see and access the roles assigned to them here.

If the **Permissions** box is unticked, the user will not be able to log onto and access the Atmolytics software. See section 4.2 for more information about user access status.

4.2 User access status: active and inactive

On the **Access Management > Users** screen you can see all active and inactive users.

Inactive users cannot log onto and access the Atmolytics software.

You may need to untick the **Exclude inactive users/roles** button at the top of the screen to see inactive users, as they are hidden by default:

Exclude inactive users/roles	All roles	~	Search users

To change the status of a user:

Locate their name in the **Full Name** column and click on the text. In this example we're going to de-activate Bill Wilson's user status, but the process is the same for activation:

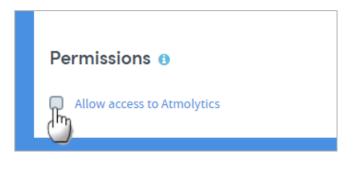
Users ^{Create New})		 Exclude inactive users/roles 	All roles	~	✓ Search	users
FULL NAME V	USERNAME	EMAIL ADDRESS	ROLES			ACTIVE?	EXTERNAL?
Apsley Garrard	Apsley	AG@Pole.ant	Default Role			YES	NO
Bill Wilson	Wilson	BW@Pole.ant	Default Role, Clir Role 2	nical Research,	ſ	YES	NO
Birdie Bowers	Bowers	BB@Pole.ant	Default Role, Clir Role 2	nical Research,		YES	NO

The Edit User screen will appear:

Edit User o			Save Cancel
Personal Details		Account Details	
First name*		Username*	
Bill		Wilson	
Last name*	Last name*		
Wilson			
Initials*		Confirm password*	
BW	BW		
Occupation	Occupation		
on access to ATT			
Reports - Create & View (Martin)	Reports - Create only (Martin)	Reports - No access - (Martin)	Reports - View only (Martin)
staff test	test	 Test clone role 	test123
TestAgain -BL	TestingRolePermissions		
Permissions			
 Allow access to Atmolytics 			

At the bottom of the page is a small check box under the **Permissions** heading.

Check or uncheck the box as required. Here we've unchecked it:



Click **Save** at the top of the **Edit User** screen:



You'll be taken back to the main **Users** screen, where you'll see that the user's status has been updated:

create Net	w	E	xclude inactive users/roles All ro	les 🗸	Search u	users
FULL NAME 🗡	USERNAME	EMAIL ADDRESS	ROLES		ACTIVE?	EXTERNAL?
Apsley Garrard	Apsley	AG@Pole.ant	Default Role		YES	NO
Bill Wilson	Wilson	BW@Pole.ant	Default Role, Clinical Rese Role 2	arch,	NO	NO
Birdie Bowers	Bowers	BB@Pole.ant	Default Role, Clinical Rese Role 2	arch,	YES	NO

Now, if Bill Wilson tries to log onto Atmolytics, he will see the following message after entering his login details, and he won't be able to access Atmolytics:

Under 14 days	atmolytics	2,11
	Incorrect username or password. Please try again.	, day
7	Username Wilson	
	Password	
	•••••	
	Log in	
	Forgotten username or password	
	ant 2 margency	ons by referral source

5 Atmolytics Licenses

A system administrator assigns roles to users of Atmolytics. These roles give the user certain permissions when accessing and using the software. Roles are created and edited by the system administrator, and a license must be assigned to every role that is created.

To assign a license, click your initials at the top right of the screen, and choose **Access Management > Roles & Permissions** from the menu. From the list that appears on screen, click the name of a role to see its details.

Details 💿	Key Permissions 🙆 0/10	Apps 💿 0/15 🔗 0/15	Data Rest
Role name			
Allow acces to Atn	nolytics 📵		
<u> </u>			
Atmolytics license	s ()		
Creator User will be able to cre	ate/edit reports and cohorts in addition to their vi	ewer permissions.	
O Viewer			

There are two Atmolytics licenses available to assign to a role: **Creator** and **Viewer**.

Selecting one of these imposes a default set of permissions on the role. As well as these 'blanket' licenses, it is possible to further edit the default set of permissions on a role-by-role basis.

- A **Creator** can create and edit reports and cohorts. In addition, a **Creator** can be assigned any or all of the permissions available within Atmolytics.
- A **Viewer** can only view reports and cohorts that they have received from a creator. They cannot edit or change any of the cohorts, report criteria or generated reports made available to them by a creator. Assigning a **Viewer** license means that several other permissions become unavailable and cannot be assigned to the user.

You can see the number of Atmolytics **Creator** and **Viewer** licenses you have purchased and how many are currently in use, by clicking your initials at the top right of the screen, and choosing **Access Management > Licenses** from the menu:

Your Atmolytics Licenses						
You have purchased	5	Creator licenses and	75	Viewer licenses		
You are currently using	31	Creator licenses and	2	Viewer licenses		
A license is used when a user has a role assigned to them. A creator license is used by any user with a creator role. License usage counts include active users only. A single user will only use one license, no matter how many roles they have.						

6 Report Management

6.1 Pending reports

Click your initials at the top right of the screen and choose **Report Management > Pending Reports** from the menu. You'll see details of pending reports and their status:

TNAME	REPORT TYPE	CREATED ON	REQUEST MADE	RUN BY	STATUS
Demographics: Diabetes Diagnoses	All the Answers	21 May 2018 12:37	3 minutes ago	Anne Currie	Errored
All Lab tests	Lab Tests Explorer	11 Jul 2018 11:07	2 minutes ago	Anne Currie	Waiting
All Meds	Medications Explorer	11 Jul 2018 11:09	a few seconds ago	Anne Currie	Waiting

6.2 Report schedule

Click your initials at the top right of the screen and choose **Report Management > Report Schedule** from the menu. You'll see details of scheduled reports:

REPORT NAME	CREATED BY	CREATED ON	LAST RUN	NEXT RUN 🗸
All Meds	Anne Currie	11 Jul 2018 12:09	12 Oct 2018 14:00	14 Dec 2018 00:00
Demographics - all males	Anne Currie	10 Jul 2018 11:50	12 Oct 2018 14:00	13 Dec 2018 00:00
Demographics: Diabetes Diagnoses	Anne Currie	21 May 2018 13:37	21 May 2018 13:38	13 Mar 2019 00:00

6.3 Result bandings

Where applicable, data can be divided into bands for reporting purposes. Banding can be applied to all data items used to collect numeric data. If banding applies to a particular data item, the details are displayed when the user makes their report output selections.

The **Result Banding** feature enables a system administrator to set default bandings for these data items. Users can also edit bandings if they wish, when making their report output selections.

Click your initials at the top right of the screen, and choose **Report Management > Result Banding** from the menu:

Bandable questions	Search questions	
DATASET ~ 1		BANDS 3
Clinical Activity Summary	Number of blood sugar readings	6
Clinical Activity Summary	Number of lab tests undertaken	Current bands
Clinical Activity Summary	Number of times vital signs taken	<50,50-100,100-125,125-150,150-200,>200
Lab Result	Result value	6
Medication Prescription	Cost	6
Unit Stay	Order of stay	7
Visit	Height	6
Visit	Weight	6

The forms/datasets containing bandable questions are listed here. Click the text in this column to set or modify the bands belonging to the question to the right of this column (see below for more information).

2 Each question belonging to the relevant dataset is listed here.

3 The number of bands already set for this question is listed here. Hover the mouse over the number to see basic details of these bandings.

6.3.1 Modify or create bandings

Once you have clicked on an item in the list, you will see a screen similar to the one below:

	Clinical Activi	ty Summary : Nur	nber of diagnoses	Save Cancel
η	Modify bandi	ng		5
	Start	1 End 10	Name <10	
	Start 10	End 20	Name 10-1 2	
	Start 20	End 30	Name 20-30	
	Start 30	End 40	Name 30-40	
	Start 40	End 50	Name 40-50 × 4	
	Start 50	End	Name >50	
	Reset bands Add	d band 3		
		-		

Here you can add, remove and modify bandings, as well as giving them a name.

U Click and type, or click the up and down arrows to set the band limits.

2 Click and type a name for the band. The name you enter will be used in generated reports as labels for the charts and graphs.

Click Add band to add a band to the list. Click Reset bands to revert the bands to their most recently-saved settings.



4 Click the cross to delete a band from the list.

5 Click Save when you have finished, or Cancel to discard your changes and go back to the list of bandable questions.

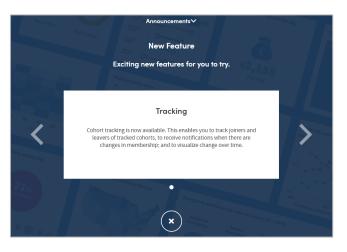
7 Announcements

Atmolytics allows administrators to issue announcements on the login page, offering an ideal way to communicate and engage with users.



Announcements appear on the login screen as a bar at the top of the page:

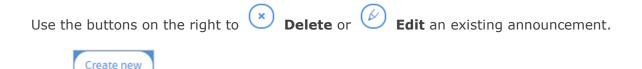
Clicking the banner expands the panel and displays a carousel of messages:



7.1 Managing announcements

Click your initials at the top right of the screen, and choose **System Management > Announcements** from the menu:

# ~	Cohort Discovery	💠 My Cohorts	SS Apps	🕒 My Re	eports			۶	٠	IS
Announce	ements New									
	TITLE	CREATED ON	DATE OF PUBLISH	EXPIRY	STATUS	AUTHOR	POSITION			
FEATURE	Tracking	04 Apr 2018	04 Apr 2018	30 Nov 2019	PUBLISHED	PC	1	\oslash	(\times)	



to create a new announcement. The following screen will appear:

Cancel Save **New Announcement** Announcement Details Announcement type New Feature ~ Title* Description* Character li Set schedule Date of Publish Time of Publish 12 Dec 2018 10:00 AM Date of Expiry Time of Expiry 19 Dec 2018 10:00 AM Position in Carousel Please enter a number 4

1

Click

Choose an announcement type:

Alerts: Use this to alert users of important events. For example, planned system outages or upgrades.

New feature: Use this to highlight new features or share news about Atmolytics.

2 Add a title and description.

You can schedule the announcement to appear and be removed on a date and time of your choosing. If you don't set a schedule the announcement will appear on the login screen until you remove it from the list in **System Management > Announcements**.

Choose the position of the announcement in the carousel.

8 Cohort Insight Management

This feature allows administrators to view details of every cohort insight in the Atmolytics system. As an admin, you can also choose which insights to make globally available.

Click your initials at the top right of the screen, and choose **System Management > Cohort Insight Management** from the menu:

Cohort insight management	Filter	Search cohort insights
Displaying 93 of 93 cohort insights	Glot	ally available 🔲 Installed with Atmolytics 🔲 User only
Ethnicity Created by Atmolytics	Lab Result Instances By Month Created on 27 Nov 2018 Created by Imogen Stuart	Number of prescriptions per patient Created on 13 Jun 2018 Created by Imogen Stuart
Lab Record Instances By Month	Patients by Zip Code	Race Spot Gradient Created on 20 Nov 2018

The list of insights can be filtered and searched using the features in the top menu.

The status of an insight is denoted by the colour of its outline:

Blue insights are pre-installed into Atmolytics and automatically available to every user. This availability cannot be changed by an administrator. The only way to restrict access to pre-loaded cohort insights is by creating a **Role** that does not allow access to the cohort insights feature, and assigning that role to users.

Grey insights are user-created insights which can only be accessed by that user.

Pink insights are user-created insights which an administrator has made available across all of Atmolytics, using this Cohort Insight Management feature. Global availability can also be revoked by an administrator:

Medication prescription count	Charges per quarter
Created on 13 Jun 2018 Created by	Created on 12 Jun 2018 Created by
<u> Make available to all users</u>	Revoke availability to all users
summary	Summary

9 Manage Sets for Others

An administrator can create and edit sets of cohort insights which apply to specific **Roles**. Every user who is assigned that role will also be assigned these sets of cohort insights.

Insight sets can be useful in many ways. For example, as an admin you could create sets including insight types which apply to roles with specific areas of interest (demographics, diagnoses, financial information, etc).

A cohort insight can belong to any number of sets, and there's no limit to the number of sets you can create and assign to a role.

Click your initials at the top right of the screen, and choose **System Management > Manage Sets For Others** from the menu:

ibra	ry 🗸 2				Ð	Library	
		This is a 'Library' set. I	t can only be re-ordered.			Search cohort insights	
						Filters	
			a			Set Library	`
	10 T		9	9		Filter V Show	'used' insigl
	Females vs males	Who survived?	Patients b	y zip code		Who survived?	
						କ୍ଲିଙ୍କି Females vs males	
	÷Ò					•••• Ethnicity	
	Ethr	nicity	Repeat Hypoxemia Cases	ACE Inhibitor Switchers		Inpatient Locations	
						(Outpatient Locations	

Uclick the down-arrow to select a role whose insight sets you want to work with:

Click the down-arrow to choose an insight set for editing, or:

Click **Create set** to create a new insight set for the role you've selected. You will be prompted to name the new set. Type in a name and click **OK**:

Create set	×
Name	
Demograp	
	Cancel ОК

Demographics 🗸		Com Collibrary	
à		Search cohort insights	
•		Filters	
		Set Library	```
	_		now 'used' Insights
	insights in this set. To add, drag cohort nto this area from the library	t ନିର୍ଦ୍ଦି Females vs males	
		() Outpatient Locations	
		-++ Ethnicity	

Here you can see the name of the set you're working with.

² You can rename a set, save any changes you make, or delete a set here.

³ If you have a lot of insights to choose from, you can search by name, or use the **Filters** options to reduce the number of insights in your list and make navigation easier.

To build your set, click and drag insights from the list on the right over to the pane on the left. You can also click and drag the insights within the pane, to arrange them in

whatever order you prefer. Click the **Save** icon igsilon when you have finished.

		Library	
		Search cohort insights	
		Filters	
	ā	Set My Insights	~
Marital status	Registrations	Filter V Show 'used' insights	5
		Registrations	·
		Charges by Month of Admission	
		© ⊕ ⊙ ⊕ Charges Per Year	
		Count Blood Sugar Results	
		+•• Ethnicity	

10 Personnel Groups

Selections of staff may be grouped into **Personnel Groups** by Administrative users of the system. Any member of staff may belong to any number of personnel groups.

Currently, such groups are made available for selection in the following areas of the software:

- Selection of clinicians within the **Scope** area of **Cohort Discovery**.
- Within Apps where the option to split the output by staff member/person is available; e.g. within the **Visits Revisited** and **Events and Processes** Apps.

Click your initials at the top right of the screen, and choose **System Management > Personnel Groups** from the menu:

# ~ @ * #	e	۶	•	IS
Personnel Groups Create New				
PERSONNEL GROUP V	NUMBER OF MEMBERS			
🚰 Dentists	7			
📽 Nephrologists	18			
🔮 Oncologists	22			

10.1 Create or edit personnel groups

+ ~ ⊗ ◆ ■	e 🗩 🔺 IS
ersonnel Group Create New	
PERSONNEL GROUP V	NUMBER OF MEMBERS
📽 Dentists	7
📽 Nephrologists	18
🖀 Oncologists	22

Select a personnel group from the list on screen if you wish to edit its name, or add or remove members from the group.

Alternatively, click **Create New** to create a new Personnel Group:

Sau	e Ca
Search	
*	
	Search

Enter the name of the group, then click **Staff Search** to find and select the staff you wish to add to the group. Click a name to select it, and it will be added to the list at the bottom of the screen:

Create New Personnel Group	Save Cancel
Personnel Group Details	
Personnel Group Name	
Consultant Physicians	
Staff Search	
Search	
Davis, Virginia X Wright, Dawn X Malone, Linda X	

If you want to remove a member, click the cross on the right of their name.

Click **Save** when you have finished creating or editing the group.

11 ETL Overview

The ETL Overview screen is an important area for system administrators as it helps manage the loading of patient data into Atmolytics.

Click your initials at the top right of the screen, and choose **System Management > ETL Overview** from the menu:

۲L Ove	erview				
ETL sta	itus				
Job Nai	ime: SingleShard-ArgonTes	tPackage			
Correct	tly configured: true				
State: Ir	nactive				
Runnin	ng: false				
Runj	job Test job Retry	Abandon			
History +/- IC		JOB NAME		LAST ATTEMPT	
	D	JOB NAME SingleShard-ArgonTestPac	kage	LAST ATTEMPT	
+/- 10	D		kage LAST PHASE		
+/- II	D 38	SingleShard-ArgonTestPac		1	
+/- IE ~ 6i +/-	D 58 ATTEMPT	SingleShard-ArgonTestPac	LAST PHASE	1 LAST STATE	
+/- II	р 1 аттемрт	SingleShard-ArgonTestPac	LAST PHASE	1 LAST STATE	
+/- II	P 38 ATTEMPT 1 Phases States	SingleShard-ArgonTestPac EXECUTED BY David Turner	LAST PHASE Housekeeping	1 LAST STATE Done	

This feature:

- Gives a clear indication of when the SQL Agent job is correctly configured.
- Allows failed data load attempts to be retried (after manual corrective action has been taken or the cause of the transitive failure has been removed).
- Allows failed data load attempts to be abandoned and the system to be lifted out of maintenance mode.
- Live status updates in the user interface are available to all users in the admin role, not just the user who initiated the ETL.
- Shows a clear breakdown of the data load status (into runs; with attempts under runs, and phases under attempts).
- The Test job option allows administrators to test the end-to-end configuration of the SQL Agent job without transferring any data

12 Housekeeping

Use these features to refresh and update the data available to Atmolytics users.

Click your initials at the top right of the screen, and choose **System Management > Housekeeping** from the menu:

12.1 Manual refresh

Hous	sekeeping					
Ма	inual refresh	Propagate base cohorts changes	Datasets synchronisation	Caches	Maintenance	ETL history
	nual refres ing here will hi	h ide/show datasets and admission Ty	pes from the application picl	< lists deper	iding on whether	they contain data.
Refi	íresh datasets an	d admission Types				
Clicki	ing here will u	pdate the list of locations that have	admission data.			
Refi	fresh locations)				
Clicki	ing here will u	pdate the list of staff in each staff rol	e.			
Refi	fresh staff					
Clicki	ing here will u	pdate the list of clinical codes with d	ata.			
Refr	fresh clinical cod	es				
		pdate the reference tables with data				
	ollowing tables w	vill be affected: Charge Services, Charge S nce data	ervice Groups, Clinical Observatio	on Types, Toke	en Group, Token Cati	egory, Token Group Onset Type.

Here you can:

• Refresh dataset(s) and admission types

Enables you to hide/show dataset(s) and admission types from the application pick lists depending on whether they contain data.

• Refresh locations

Enables you to update the list of locations that have admission data.

Refresh staff

Enables you to update the list of staff in each staff role.

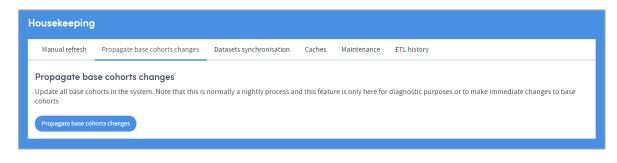
• Refresh clinical codes

Enables you to update the list of clinical codes with data.

• **Synchronise reference data** Enables you to update the reference tables with data.

12.2 Propagate base cohorts changes

This feature enables you to update all base cohorts in the system. Note that this is normally a nightly process and this feature is only here for diagnostic purposes, or to make immediate changes to base cohorts.



12.3 Datasets synchronisation

Use this feature to select and synchronise datasets:

nual refresh Propagate	base cohorts changes D	atasets synchronisation	Caches Maintenance	ETL history	
asets synchronisation Choose datasets file					
Name	Imported to web	Synced to output	Synced to shards	Completed	Errored
Export Marks Test Export (5371).XML	2019-08- 06T11:48:42.1424967-04:00	2019-08- 06T11:48:44.9237381-04:00	2019-08- 06T11:49:02.8769874-04:00	true	false
Export KD Dev Environment -	2019-06- 05T04:13:37.0929333-04:00	2019-06- 05T04:13:40.1711538-04:00	2019-06- 05T04:13:55.9835918-04:00	true	false
Sub Forms (5148).XML		2018-04-	2018-04-	true	false
Export Ciprian (2230).XML	2018-04- 04T05:17:20.4582168-04:00	04T05:17:23.4113918-04:00	04T05:17:51.4745156-04:00		
			04T05:17:51.4745156-04:00 2018-04- 04T05:17:51.4745156-04:00	true	false

12.4 Caches

Use this feature to clear the web cache.

Housekeeping							
Manual refresh	Propagate base cohorts changes	Datasets synchronisation	Caches	Maintenance	ETL history		
Caches Clear web cache							

You'll receive a notification once the cache has been successfully cleared.

Caches
Clear web cache
⊘ Web cache was cleared

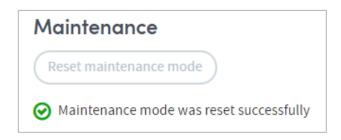
12.5 Reset maintenance mode

It's possible to reset maintenance mode in **Housekeeping > Maintenance**.

If the system is under maintenance or pending maintenance, it can be changed to the live ("normal") state using this feature.

Housekeeping							
Manual refresh	Propagate base cohorts changes	Datasets synchronisation	Caches	Maintenance	ETL history		
Maintenance Reset maintenance	mode						

You'll receive a notification if the reset was successful.



12.6 ETL history

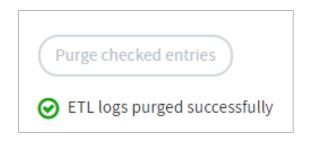
Use this feature to view ETL history. Click **Get information** to view the logs:

Manu	al refresh	Propagate base cohorts changes	Datasets synchronisation	Caches	Maintenance	ETL history	
ETL ł	nistory						
Get ii	nformation						
	ID	START DATE	END DATE		TEST RUN	NUMBER OF SSIS LOGS	LATEST STATE
	2414	18 Aug 2019 21:00:00	18 Aug 2019 21:03:03		false	46	POST SECOND PHASE HOUSEKEEPING C
	2413	17 Aug 2019 21:00:00	17 Aug 2019 21:02:53		false	46	POST SECOND PHASE HOUSEKEEPING C
	2412	16 Aug 2019 21:00:00	16 Aug 2019 21:02:51		false	46	DONE
	2411	15 Aug 2019 21:00:00	15 Aug 2019 21:02:52		false	46	DONE
	2410	14 Aug 2019 21:00:00	14 Aug 2019 21:02:59		false	46	POST SECOND PHASE HOUSEKEEPING C
	2409	13 Aug 2019 21:00:00	13 Aug 2019 21:02:58		false	46	DONE
	2408	12 Aug 2019 21:00:00	12 Aug 2019 21:02:49		false	46	DONE
	2407	11 Aug 2019 21:00:00	11 Aug 2019 21:02:45		false	46	POST SECOND PHASE HOUSEKEEPING C
	2406	10 Aug 2019 21:00:00	10 Aug 2019 21:02:54		false	46	POST SECOND PHASE HOUSEKEEPING C

You can purge ETL logs from the database by checking the boxes on the left, and clicking **Purge checked entries** at the bottom of the screen:

	64	16 May 2018 10:17:40	16 May 2018 10:24:13
	63	14 May 2018 16:11:01	14 May 2018 16:17:14
~	62	14 May 2018 15:48:03	14 May 2018 15:54:36
	61	14 May 2018 15:27:13	14 May 2018 15:33:55
	60	14 May 2018 15:13:07	14 May 2018 15:19:30
	58	11 May 2018 11:22:19	11 May 2018 11:28:36
~	57	11 May 2018 10:27:08	11 May 2018 10:33:33
Pur	ge checked entries		

You'll receive a notification if the purge was successful



13 Cultures and Languages

The language, terms and even some of the Help images used in Atmolytics are fully configurable. A system administrator can define and select their own terms and images for the following **Resources**:

- **Key terms** (such as patient/service user, visit/admission)
- Labels and buttons
- Error messages
- Information messages
- Help images

(See chapter 14 for more information about Resources)

A **Culture** is a collection of these admin-defined **Resources** which is then applied across Atmolytics. Cultures are structured as nested lists: so, for example, EN is a parent of EN-US, which is a parent of EN-US-COH.

The nested structure of cultures allows you to group similar sets of resources together in a logical way. For example, you could use the following arrangement:

Level 1 = Language (e.g. all cultures at and below this use English language terms)

Level 2 = Colloquialisms (e.g. differences in spellings/terminology between US and UK English)

Level 3 = Organization-level terms (e.g. all employees of the organization are referred to as Staff Members)

Level 4 = Group-level terms (e.g. terms specific to a particular project or department within an organization)

On first creation, each child inherits its parent's resources. Following this, the child's resources can be further edited.

Administrators can enable or disable cultures and make cultures available to users. You can copy an existing culture and edit particular resources, either within Atmolytics itself, or by downloading and uploading resource information as a .csv file.

Click your initials at the top right of the screen, and choose **System Management > Cultures & Languages** from the menu:

nabled cultures		Di	sabled cultures
EN		^	
EN-GB			There are no disabled cultures.
EN-GB-GCC			
EN-US			
EN-US-HCI			
Test		-	
Default culture:	EN-US	~	

The cultures available in Atmolytics are listed here.

The **Default culture** is the culture that is used across your Atmolytics system. You can change this by selecting from the drop-down list.

13.1 Enabling and disabling cultures

Disabled cultures cannot be selected as the default culture. If you're editing the resources within a culture, you may prefer to disable it first to prevent it being used before it's ready. Click the name of a culture to move it from enabled to disabled, and vice versa:

Cultures Create		
Enabled cultures		Disabled cultures
EN-GB EN-GB		There are no disabled cultures.
EN-US		
EN-US-HCI		
Test	•	
Default culture:	EN-US 🗸	
		Save

nabled cultures		Disabled cultures	
EN		EN-GB	
EN-GB-GCC			
EN-US			
EN-US-HCI			
Test			
testtest		•	
Default culture:	EN-US	~	

Click **Save** when you've finished.

13.2 Creating a new culture

Click **Create**. The following panel will appear:

Create Culture		×
Parent Culture	EN-GB	~
Name TestCulture		
	Create	Cancel

You need to select a Parent Culture from the drop-down list. Your new culture will contain all the resources of the parent culture. You can then edit the resources of the new culture as desired. Click **Create** when you've chosen the parent, and named the new culture.

The new culture will be disabled until you choose to enable it.

14 Resources

The language, terms and even some of the Help images used in Atmolytics are fully configurable. There are fixed **Resource Keys** which Atmolytics refers to when applying, for example, screen labels or key terms to areas of the software. A system administrator can define their own **Resource Values** for these Resource Keys which will then apply across Atmolytics. The following features can be configured in this way:

- **Key terms** (such as patient/service user, visit/admission)
- Labels and buttons
- Error messages
- Information messages
- Help images

A **Culture** is a collection of these admin-defined **Resources** which is then applied across Atmolytics. The resources defined in each culture can be edited either within Atmolytics itself, or by downloading, editing and uploading resource information as a .csv file. See chapter 13 for more information about cultures.

NOTE: If you're editing the resources within a culture, you may prefer to disable it first to prevent it being used before it's ready. See section 13.1 for more information about enabling and disabling cultures

Click your initials at the top right of the screen, and choose **System Management > Resources** from the menu:

Resources		
Please choose a culture	to edit.	Upload resource file
You are currently editing	g the culture: EN	
Resource type Key terms	Comparison	< 1-50 of 126 >
RESOURCE KEY	RESOURCE VA 3	
DenominatorCount	Denominator count	
DenominatorType	Denominator type	Ø

This shows the **Culture** you are working with. By default, it will show the culture that you are currently logged on with. Select from the drop-down list:

Resources						
Please choose a	cultur	e to	e	dit.		
Culture		EN			~]
		~	EN			
You are currently	y editi					
Resource type	Key ter		~	GB		h resou
				GCC		
RESOURCE KEY			>	US		RCEV
TermFoxAdjustment					Adjust	truent

Choose the **Resource type** you want to work with from the dropdown list. By default, **Key terms** will be selected:

Resource type	Key terms 🗸	Search resources
	All	
RESOURCE KEY	Error messages	RESOURCE VALUE
DenominatorCount	Help images	Denominator coun
DenominatorType	Info messages	Denominator type
Demonimator (Jipe	Key terms	Demonimator (Jyle
TermForAdjustment	Labels and buttons	Adjustment
	Miscellaneous	-
TermForAdjustments		Adjustments

3 You can narrow down the lists by searching for terms in the **Resource Key** and **Resource Value** columns:

Resources	
Select a culture	
Culture	EN-GB-TestCulture
Selected culture: EN	N-GB-TestCulture
Resource type	Key terms V P patien X
RESOURCE KEY	RESOURCE VALUE
TermForIn <u>patien</u> t	Inpatient
TermForIn <u>patien</u> ts	Inpatients
TermForOut <u>patien</u> t	Outpatient
TermForOut <u>patien</u> ts	Outpatiens
TermFor <u>Patien</u> t	Patient

Click the pencil icon to edit a **Resource Value.**

Here, we're editing the Resource Value attached to the Resource Key **TermForPatient**, from **Patient** to **Service User**:

Default value		
Base culture:Patient		
New value Service User	Html preview Service User	

Click **Save** when you've finished. The Resource Value is now **Service User**:

Resource type Key terms	V (Opatien x) Download	1 ±
RESOURCE KEY	RESOURCE VALUE	
TermForIn <u>patien</u> t	Inpatient	
TermForIn <u>patien</u> ts	Inpatients	
TermForOut <u>patien</u> t	Outpatient Service User	
TermForOut <u>patien</u> ts	Outpatients	
TermFor <u>Patien</u> t	Service User	
TermForPatients	Patients	

The Resource Values you create will be applied anywhere they appear in the Atmolytics software, replacing any previous versions:



14.1 Downloading and uploading resource files

If you prefer, you can download a complete list of resources as a .csv file and edit it in a separate software package, before uploading it back into Atmolytics. Do this by utilising the **Download** and **Upload resource file** buttons.

15 System Configuration

Here you can name the admission types used in Atmolytics, and enable or disable individual report types and cohort insight types.

Click your initials at the top right of the screen, and choose **System Management > System Configuration** from the menu:

System Configuration	
TITLE	
Admission types	\bigcirc
Report types	\bigcirc
Configurable insight types	\bigcirc

15.1 Manage admission types

Type in the name of the admission type(s) if you wish to change them.

Manage admission	types	Save Cancel
Туре1		
Singular Form	inpatient	
Override Singular Form	Type to override the singular form	
Plural Form	inpatients	
Override Plural Form	Type to override the plural form	

15.2 Manage report types

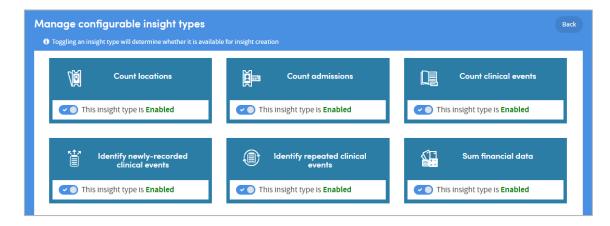
Click the toggle for each report type to enable or disable it:

Activity Counter	All the Answers	Clinical Observations
This report is Enabled	This report is Enabled	This report is Enabled
Costs and Charges	Custom Report Number 1	Data Export

Disabled report types will be removed from users' report lists, and the App will be removed from the App selection screen so cannot be accessed by users. If the report type is re-enabled, the reports are reinstated, and the App can be accessed again.

15.3 Manage configurable insight types

Click the toggle for each insight type to enable or disable it. This will determine if it is available to users for creation of their own insights.



16 System Monitoring

Click your initials at the top right of the screen, and choose **System Monitoring** from the menu. System monitoring functions include:

16.1 System status

Atmolytics uses a distributed architecture. The system status page reports on the status of each of the Atmolytics components allowing for outages to be quickly identified:

ystem Status	
Gateway	ONLINE
Gateway	ONLINE
Quartz	ONLINE
Quartz	ONLINE
Consumers	ONLINE
Consumers Farm (Via Gateway)	ONLINE
Databases	ONLINE
Default: Web Database Default: Report Output Database	ONLINE
Default: Shard Database	ONLINE

16.2 Nightly job overview

The Nightly Job Overview page shows system administrators a summary of the nightly job process's configuration:

Nightly Job Config	guration	Run ID: 2168	
	- -	STATE	TIMESTAMP
Run ETL: NO Runs At 3:00 AM (2:00 AM UTC)		Getting Whether To Run Etl	11 Jun 2019 03:00:00
		Starting Nightly Job Tasks	11 Jun 2019 03:00:00
Days To Run The	ETL	Nightly Job Tasks Running	11 Jun 2019 03:00:00
Monday	NO	Queuing Scheduled Reports	11 Jun 2019 03:02:39
Tuesday	NO	Scheduled Reports Queued	11 Jun 2019 03:02:39
Wednesday	NO	Done	11 Jun 2019 03:02:42
Thursday	NO		
Friday	NO		
Saturday	NO		
Sunday	80		
Update	ETL Overview		

The nightly job runs background tasks every night at the configured time (which is shown in local time and UTC). It can also be configured to trigger the ETL on some or all nights of the week. Which nights it will trigger the ETL are shown in the left-hand panel. If the nightly job is configured to never run the ETL, all days will be labelled **No**.

The right-hand panel shows details of the most recent run of the nightly job. The **Run ID** can be used for fault-finding investigation in the system database. A table of the key background tasks that were run, along with timestamps, is provided to give confidence that an otherwise-invisible background process is functioning correctly.

16.3 Quartz schedule

This feature indicates which reports and housekeeping jobs are scheduled to run for the next 24 hours:

Quartz Schedule					
JOB NAME	WHICH TIME FRAME?	DESCRIPTION	RECURRING	NEXT	
NightlyJob-c4c8279a-efe4-463c-a1b7-61250c10f7ae	10 days ago	GatewayNightlyJobRequest	YES	in 13 hours	

16.4 Queue status

This feature indicates the status of the job queues used by Atmolytics:

Queue Status					
		MESSAGES			
QUEUE NAME	TOTAL	READY	UNACKED	STATE	IDLE SINCE
argon_farm_cc_etl	0	0	0	IDLE	28 Jan 2019 02:02
argon_farm_cohort_insight_service	0	0	0	IDLE	28 Jan 2019 13:04
argon_farm_group_service	0	0	0	IDLE	23 Jan 2019 15:02
argon_farm_housekeeping	0	0	0	IDLE	28 Jan 2019 13:12
argon_farm_report_service	0	0	0	IDLE	28 Jan 2019 02:04

16.5 Data integrity

This feature checks that the patient data is in a consistent and complete state. Running the integrity checks places significant demands on the background services so typically should only be run outside of normal operational hours.

Integrity check				
Run checks 🛓				
Previous results				
🕑 ОК	🕑 Info	☑ Warning	Error	

16.6 Audit logs

Here, you can view the system's audit log, and monitor user activity:

ıdit		Y Filter Page 1 of 1,101 Total Items: 55,007
USER	INFO	DATE ^
System user	Unsaved and temporary cohorts deleted	28 Jan 2019 02:00
System user	Old notifications deleted	28 Jan 2019 02:00
System user	Cohort cache has been cleared.	28 Jan 2019 02:00
System user	Temporary reports deleted	28 Jan 2019 02:00

You can filter the information in several ways:

		▼ Filter∨	Page 1 of 1 Total Items: 8
	User Select user	•	^
ervations' ervations'	Action		n 2019 13:03 n 2019 13:03
	Select action From To	Ŧ	n 2019 12:43
ole 'Admir leted	From 🔁 To		n 2019 12:42 n 2019 02:02
en recalcul	Apply Cancel		n 2019 02:02
have beer.			.n 2019 0 2:02

16.7 System logs

This feature enables you to view the system's log files and filter down the results. The log files monitor general system usage and capture any error conditions that may arise.

ТІМЕ	LEVEL	SOURCE APPLICATION	USER	ROLE	MESSAGE
17 Sep 2019 13:56	ERROR	Website	test	Admin Role	A task was canceled. (Show more)
17 Sep 2019 12:19	ERROR	Farm			An error occurred within the Service Bus Farm (Show more)
17 Sep 2019 11:10	ERROR	Farm			ERROR: SQL Agent Job phase "Face.Argon.Domain.Etl.ServiceBus.EtlPhas finished with status "Failed"
17 Sep 2019 11:04	ERROR	Farm			An error occurred within the Service Bus Farm (Show more)
17 Sep 2019 10:57	ERROR	Farm			ERROR: SQL Agent Job phase "Face.Argon.Domain.Etl.ServiceBus.EtlPhas finished with status "Failed"
17 Sep 2019 10:52	ERROR	Farm			ERROR: SQL Agent Job phase "Face.Argon.Domain.Etl.ServiceBus.EtlPhas finished with status "Failed"
	ERROR				ERROR: SQL Agent Job phase "Face.Argon.Domain.Etl.ServiceBus.EtlPhase finished with status "Failed"

The information can be filtered in several ways:

	▼ Filter	Page 1 of 1,101 Total Items: 55,007
	Filter by level	
SER	Debug	
-	🗹 Info	e Request
	Warning	enequest
	Error	
	Source application	request for ddfb4385
	All	rt: 28/01/2019 00:00: 00:00 : 'ddfb4385-cac
	User	
	All	▼ 5-cac6-4cb4-b744-
	Role	ess GatherQueues
		ing request for 5ce36 369c1-a036-48cc-82c
	Apply Reset	Cancel