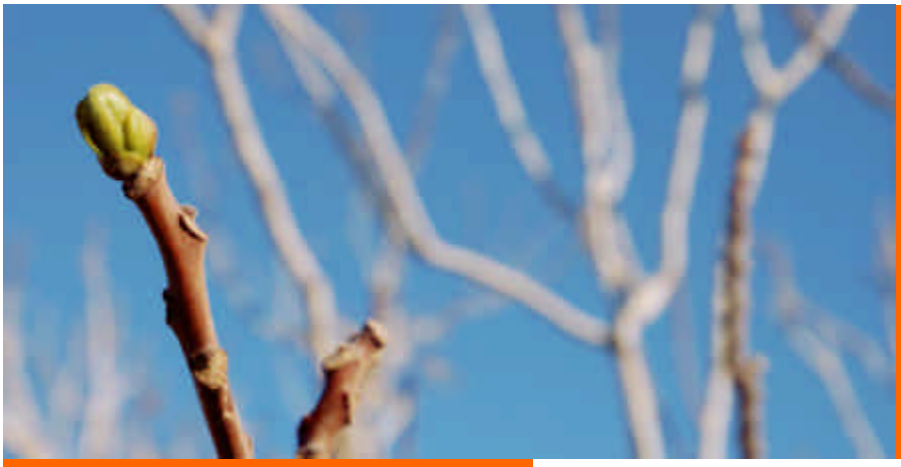
aims version 4.0



An Evolution in Incident and Risk Management for Health

Key Benefits

- Reduced deployment costs and maximised system flexibility, consistency and longevity on a web based platform
- Improved system performance and scalability
- Improved data entry—automatic population of related fields with the same data
- Extensive client configuration and customisation capabilities
- Improved reporting design, scheduling and distribution
- Integrated OLAP data analysis and an integrated Business Intelligence tool

AIMS 4 is the culmination of 18 years of development, research and most importantly - user experience. Utilising sophisticated new technologies AIMS 4 delivers enhanced existing functionality plus new features to provide a clear picture of service quality and safety to enable proactive management. A browser based, thin-client application, AIMS 4 provides rapid and low-cost deployment to suit large and small organisations. Developed according to industry best-practice and incorporating health data and patient safety standards, AIMS 4 delivers optimal functionality and value to clients.

- Comprehensive AIMS 3 functionality revised and enhanced for greater ease-of-use and superior function.
- Streamlined user experience via aggregation of previously disparate modules into a single browser based user interface.
- Advanced web based analysis and reporting via Business Intelligence tools and the AIMS OLAP Adaptor.
- Powerful new administrator functionality including distributed administration roles and reduced reliance on PSI for configuration and system maintenance.
- Improved security including user authentication and authorisation as well as increased flexibility for password management according to industry best practices.
- New “issue” concept to enable recording and management of incidents, risks or complaints as distinct items to facilitate improved information capture, analysis and reporting.
- Refinement of the Classification structure now referred to as the AIMS Ontology, to support high performance reporting.
- Scalability to accommodate many hundreds or thousands of concurrent users whilst maintaining system performance.
- Advanced platform and improved data structure to meet future client requirements.

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Issue Notification

Enhanced Data Capture

A significant change to data capture is the introduction of the generic "issue" concept. This concept enables recording and management of incidents, risks or complaints as distinct items, to facilitate improved information capture as well as analysis and reporting according to the specifics of the particular issue type.

Data entry screens (forms) for issue notification have been revised and improved for easier, faster data capture. More efficient use of screen (form) space enables better grouping of related questions. Fully customisable, the data entry screen is displayed within the web console and provides a more appealing and user-friendly experience, plus smart field functionality. Hyperlinks assist the user to intuitively navigate the form and the classification process. Form and console elements can be made available to users based on role. For example an initial notifier such as a nurse might only see a portion of the data entry form and a classification minimum dataset, whereas a line manager might see the entire form and have complete access to classification.

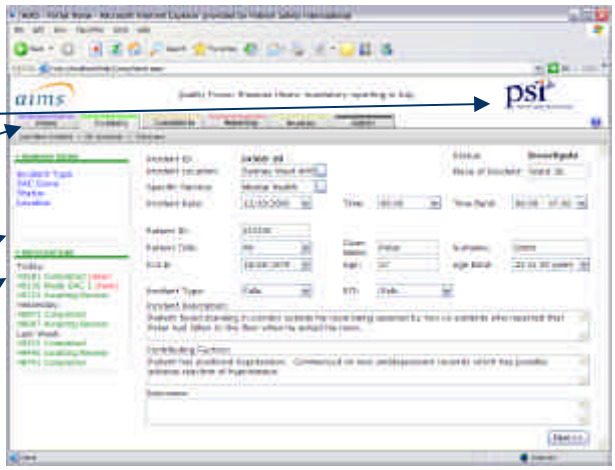
Data entry is further simplified as the new screens have the ability to capture information entered in one field and automatically populate related fields with the same data. This applies to data entered during issue notification and classification.

Space for client logo/name.

The tabs provide access to those modules to which the user has access rights.

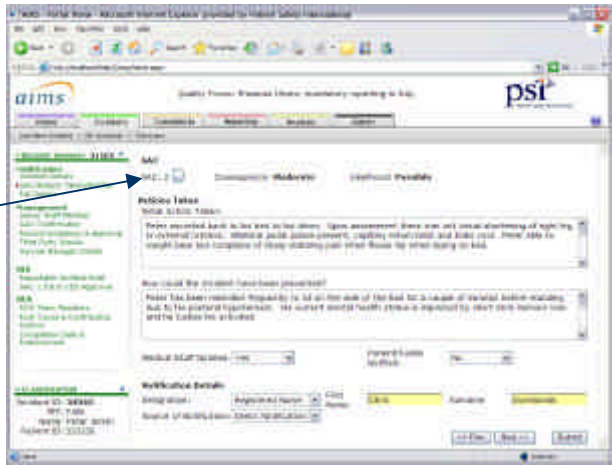
First screen of a typical data entry form for clinical incidents. Note that key information is collected in this first simple screen.

Summary of the users recent Notifications



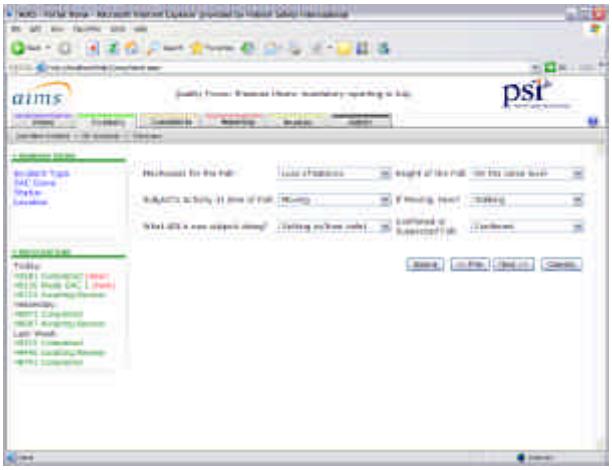
Field level security and a variety of field types are available including: drop down lists, free text and pick lists and a new calendar for date selections

Risk assessment using client's preferred matrix presentation.



This screen shows a client defined minimum dataset of the AIMS ontology for Falls. All users would therefore be asked to complete this minimum amount of classification. Any answers will populate the full classification and can be added to later.

To assist users who need to get quick snap shots of data, AIMS 4 enables users to save favourite views that they want to consult on a regular basis. Views can be provided to users or user defined.



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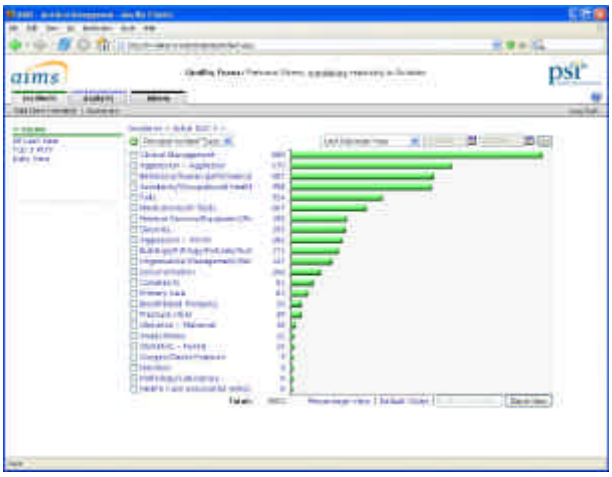
Views, Analysis and Reporting

Powerful Reporting to Suit a Variety of Users

The analysis and reporting capability in AIMS 4 has been significantly improved to make it easier and more accessible for a wider group of users. Reporting design has been improved and options for scheduling and distribution added. For sophisticated users, AIMS now includes an integrated OLAP data analysis tool plus the option to use third party BI tools such as Business Objects.

- Flexible design options incorporating views, filters and sorting on reports
- Ability to define and save data views at a user level for quick, consistent and repeatable access to key data
- Hyperlink drill down from real time summary data views to underlying detailed information
- Ability to filter and sort information within data views
- Easy to design and run standard reports with parameter selections
- Report scheduling and secure notification
- OLAP data warehouse facilitates
- Integrated Business Intelligence tool offering click and drag options to 'slice and dice' dimension data
- Overnight data collation within cubes and dimensions for optimal system performance and data retrieval



This Incident Graph View shows incidents with an Initial SAC score of 1 by incident type and filtered for the last calendar year. The summary can be modified by selecting one of a number of other data elements as well as by a predetermined time period or a specific date range. Each incident type and bar on the graph is a drill down point that will refine the view of the data set.

AIMS provides three levels of analysis and reporting to meet the needs and capabilities of different users.

Level 1

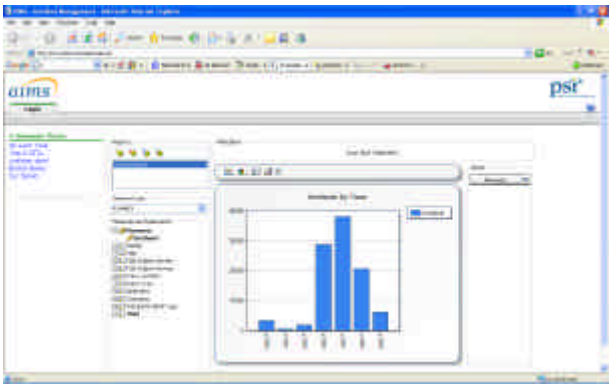
Registered users such as line managers have access to simple text based reporting for incidents within their area of responsibility, e.g. by department or by incident type such as warfarin prescribing error. These users can also be provided access to simple, web-based charting to enable exploration of data based on user defined or distributed data summary views.

Level 2

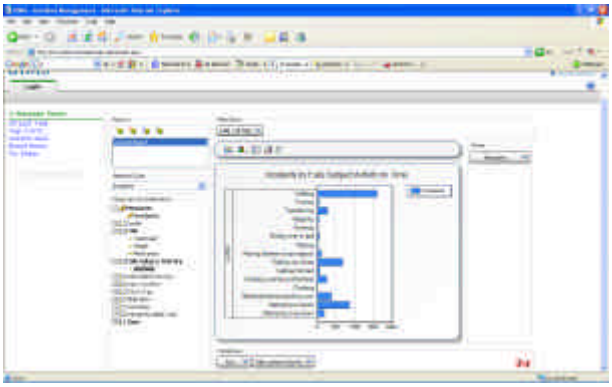
For **patient safety/risk managers** AIMS offers the same simple charting tools as above plus an additional level of query and analysis for the more sophisticated user with a sound understanding of the data structure and nature, and resultant implications.

Level 3

To meet the demands of **analyst users**, AIMS provides advanced web based analysis and reporting for data mining. Using an integrated Business Intelligence (BI) and Data Visualisation tool via the AIMS Console, analysts can examine data cubes created from the AIMS OLAP data warehouse, enabling data visualisation for real-time, ad-hoc analysis and drill down to a defined transaction (issue) level. The AIMS data warehouse can also be examined using third party BI applications such as Cognos or Business Objects.



AIMS business intelligence tool showing 11 Measures and Dimensions available with Incidents arranged by time displayed.



Falls by Subject Activity. Graph could also compare time periods or locations.

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System Administration

Extensive Client Configuration

Powerful new administrator functionality includes distributed administration roles and reduced reliance on PSI for configuration and system maintenance. Administrators can define client specific parameters like date ranges, codes displayed in pick lists and security groups, permissions and individual user accounts. Control over data access at various levels including module, function and field is now possible as is definition of system and data audit functions.

Another important addition is the Lookup Codes module that enables System Administrators to create, define and manage System Values according to client organisation terminology.

These improvements and additions empower clients to independently manage and maintain the AIMS database. Much configuration previously managed and maintained by PSI can now be undertaken by the client, removing the reliance on PSI and reducing uptake timeframes.

Alerts

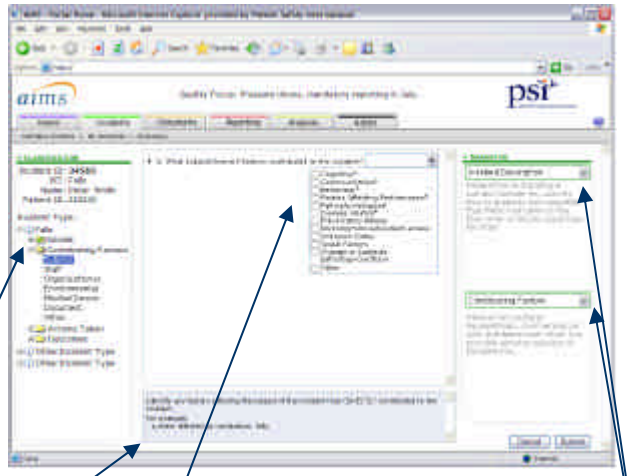
Issue Management

To ensure that staff are informed of serious events or simply told of tasks they are required to complete following an event, AIMS provides sophisticated Alert functionality. Easy to create and manage, AIMS e-mail based Alerts inform relevant staff instantly. E-mail Alert templates are client defined so that recipients receive pertinent information and a link to the issue at hand. In this way system security is not compromised as only authenticated users with the correct permissions will have access to the issue report.

AIMS Ontology

Aligned with New standards and Refined for High Performance Reporting

To support the high performance reporting capabilities of AIMS 4, the AIMS Classification, now referred to as the AIMS Ontology, has undergone a process of refinement. Modifications are in-line with best practice approaches such the National Centre for Classification in Health (Australia) and the World Health Organization. The new Ontology Engine also offers the capability to import other ontologies, for example, a different medication list.



Navigable structure of Falls Incident Type.

Rules to guide users in correct interpretation and use.

Incident Description and Contributing factors narratives from 1st screen available here as a reference for classification

Possible answers to Subject (human) factors that contributed to the incident.

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