E-Path Monitoring Console
Cancer Data Now

Cancer Surveillance

Reviewing electronic cancer reporting

AIM ARTIFICIAL
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E-Path Monitoring Console

The E-Path Monitoring Console provides submitting sites with several important functions to assist in the management of an automated E-Path system. These include:

- Process Monitoring
- Pathology Report Review
- HIPAA Disclosure Reporting

The following descriptions of these functions assume some familiarity with the E-Path technology provided by AIM. The E-Path Monitoring Console incorporates the functionality of AIM's ISIS Registrar, Coding Edition product. Information about E-Path can be made available to you at your request.

Process monitoring

E-Path is an automated process, designed to operate in an unattended manner. The process monitoring function provides, on demand, process reports on the operation of the system along with summary information about reports that have been processed or failed to process.

Summaries may be obtained for daily, monthly and annual periods.

Summaries tabulate the following:

- Total number of reports processed
- Total number of reports selected (as being reportable to the registry)
- Total number of reports that could not be processed
- Breakdown of the reports processed by report type (e.g. Pathology, Gynecological Cytology, Bone Marrow, Autopsy, etc.)

The count of pathology reports on summaries is not unique. Thus, if a report is sent to the system twice, for example, because of an amendment, it will be counted each time.

All pathology reports that could not be processed are placed in an error log. The E-Path Monitoring Console does not provide any function to retrieve these from the error log (they may be viewed using any text editor).

Processing summaries may be viewed on screen, printed or saved to text files.

Pathology report review and forwarding

The functionality of ISIS Registrar, Coding Edition, has been incorporated into the Console to provide it with the means to search for, view, forward and review the coding of pathology reports that have been selected by the E-Path filter.

Selected pathology reports are loaded into the Console's database. Individual reports may then be viewed by selecting them from a list of available reports.

Alternatively a search function is provided to find reports by various criteria, including diagnosis. Pathology reports are displayed in their entirety and in a standard format. They may not be edited. Pathology reports may be coded with the system's AutoCode function. The assigned topography and morphology codes are displayed and may be edited. The user may also select the codes, in the event there are several, under which the report is to be classified.

The coding system normally used by AutoCode is ICD-O-3. Other coding systems may be used, but this will require the system to be reconfigured by AIM.

Although E-Path is generally configured to automatically forward selected pathology reports to the designated central cancer registry, they may also be forwarded to other destinations determined by the users. In many cases, other destinations include the local (e.g. hospital or laboratory) cancer registry system and researchers within and external to the institution.

Pathology Reports may be exported in the following formats:

- NAACCR Abstract v 9.1 or 10.1**
- NAACCR HL7
- NAACCR Flat File

Exported pathology reports may be:

- Forwarded in patient identified or de-identified format
- Directed to a file
- Emailed

The selected pathology reports are stored in the Console's database and are available until the data are purged from the system. The design of the system assumes that pathology reports from several years will be on file at any one time.

HIPAA Disclosure Reports

The HIPAA Disclosure Report lists those pathology reports that have been automatically selected and forwarded from the institution to the central registry by the E-Path system. It will not include any pathology reports that are sent using the ISIS Registrar function to forward reports.

HIPAA Disclosure Reports may be viewed and printed for daily, monthly or annual periods. The user may select any or all of the following data elements to include in the report, provided they are available in the source records:

- MRN
- Accession Number
- Patient Name
- Patient Sex
- Patient Date of Birth
- Patient Account Number
- Social Security Number
- Date Disclosed

The recipient and reason for disclosure may also be specified and included in the report
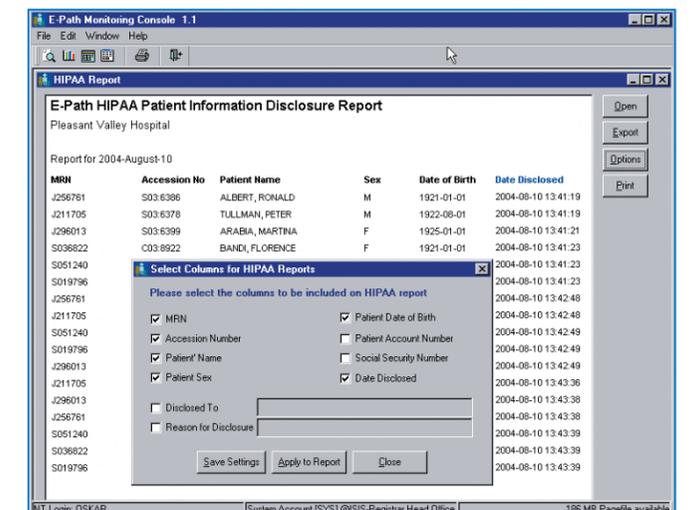
Hardware Requirements and Installation

It is recommended that the E-Path Monitoring Console be installed on a different computer from the one on which E-Path itself is deployed. The two computers need to be connected to the same network.

The system is intended to run on a standard desktop PC running any recent version of Microsoft Windows.

Recommended specifications include:

- Intel Pentium II Processor
- 300 MHz or greater
- 64 MB RAM
- 2 GB available disc space

E-Path HIPAA Patient Information Disclosure Report
Pleasant Valley Hospital

Report for the Period 2004-May-01 to 2004-May-31

MRN	Accession No.	Patient Name	Sex	Date of Birth	Date Disclosed	Disclosed To
MRN123456788	GP-10336	Jones, Kathryn	F	1970-12-21	2004-05-01 13:37:01	State Cancer Registry
MRN123456789	GP-10334	Kirk, Cameron	M	1963-08-10	2004-05-01 16:58:24	State Cancer Registry
MRN012234567	GP-11155	Armstrong, Michael	M	1955-02-15	2004-05-02 16:58:30	State Cancer Registry
MRN990123456	GP-90123	McDonald, Alley	F	1975		
MRN123456789	GP-10334	Frasier, Derek	M	1969		
MRN012234567	GP-11155	Baird, John	M	1970		
MRN990123456	GP-90123	Smart, Susan	F	1972		
MRN123456789	GP-10334	Croft, Teresa	F	1966		
MRN012234567	GP-1115	Appleton, William	M	1959		
MRN990123456	GP-90123	Whitley, Anthony	M	1958		
MRN123456788	GP-10336	Sean, Cynthia	F	1976		
MRN123456789	GP-10334	Brian, David	M	1977		
MRN012234567	GP-11155	Chow, Melanie	F	1980		
MRN990123456	GP-90123	DeCruz, Grace	F	1976		

E-Path Processing Summary
Pleasant Valley Hospital
Report for the Period of 2004-March-01 to 2004-March-31

Process Summary

Category	Total
Number of Reports Received from LIS:	702
Number of Reports Processed:	702
Number of Warnings:	0
Number of Reports Transmitted:	121
Number of Reports not Transmitted	581
Number of Reports not Processed:	0

Report Type Summary

Report Type	Number of Reports
Pathology	311
Cytology	91
Gynecological Cytology (Pap)	270
Bone Marrow	18
Autopsy	4
Other	8
Unknown	0
Total processed	702

Note: The abstract record will contain only the components available in the pathology report.

AIM

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Our engineers and technicians understand the medical environment, its paradigms, processes and needs. AIM provides comprehensive information technology services to the healthcare industry to meet the special requirements of clinical and research systems.