# Dynamine<sup>TM</sup>

Emerald

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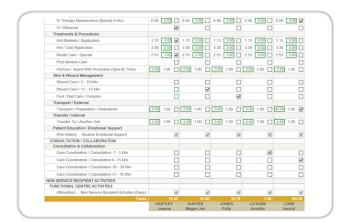
### Workload Decision Support for Effective Resource Utilization

Dynamine<sup>™</sup> is a Decision Support software solution developed to capture workload and associated statistics for all health care departments. The software is structured to support full integration within a Hospital Information System, including ADT, Scheduling, General Ledger, Case Costing, Patient Outcomes and Documentation. Dynamine is an open architecture web application, agnostic to the selection of operating systems, databases or browsers.

Dynamine integrates effectively with Emerald Health's Dynaboard<sup>™</sup> to enhance the analysis of performance monitoring indicators by the addition of workload data. Dynamine works in conjunction with Dynaworks® (Emerald's workload methodology) as well as with other methodologies.

### Data Entry: Direct or Derived from E-documentation

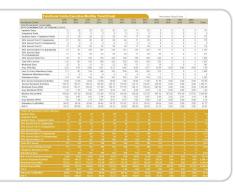
- Direct data entry requires only seconds. Staff need to learn only two screens. Workload Data Entry Screen accommodates 5 patients per screen allowing for the selection of an unlimited number of patients and data entry without exiting.
- Documentation derived entry integrates with the facility's electronic documentation system and provides workload as a by-product of the documentation process. Staff do not need to learn (or contact) the software.



### Embedded Suite of Reports: From Detailed to Trends

Reports analysis grouped around the major workflows within the software-workload, utilization, procedures, validity, inter-rater reliability, MIS workload, MIS caseload.

- Selection of report parameters support a wide range of reports from high level trend to detailed reports.
- Internal reports organized around the functional centre, service provider and service recipient.
- External reports organized around the functional centre and specific provincial requirements for MIS reporting.
- Graphical illustration of data.
- Ability to create a list of My Reports (My Favorites) for fast report creation / retrieval.



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## Dyna*mine*™

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### Workload Decision Support for Effective Resource Utilization

#### Data Quality Emphasis: Data Integrity Rules and Alarm Notifications

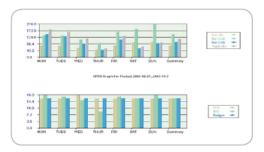
- Alarms provide notification of service recipients without workload as well as Utilization, Hours per Patient Day and Non-Service Recipient Activities that are Out-of-bounds
- Mutual exclusivity rules and data checks reduce the entry of invalid data

#### Streamlined Implementation: Fast with No Off-unit Training

- Emerald configures all system tables and parameters-system is ready to use upon installation
- User, manager and system administrator training provided on-site
- No off-unit training required for staff
- Full installation and system upgrade services provided

#### Skill Mix: Proactive Skill Mix Scenarios or By-Product of Workload Entry

- Skill mix scenarios support planning for potential skill mix changes
- Skill mix by-product of workload provides a comparison of worked, workload and desired hours by skill level



#### Inter-rater Reliability (IRR) & Validity Processes: On-line

- IRR reports by functional centre, by area of instrument, by reasons for errors
- Validity reports by functional centre, by day of week and summary

### Statistics: By-product of Workload Data Entry

- Caseload (New Referrals & Active Carryovers)
- Attendance Days (Face to Face & Telephone)
- Visits (Face to Face & Telephone)

#### Interfaces to Other Hospital Systems: HL7 and Batch

- ADT (Inbound)
- Scheduling (Inbound)
- E-Documentation (Inbound)
- Case Costing (Outbound)
- Dynaboard<sup>™</sup> (Outbound) to link workload with
- Other databases such as DAD, NACRS, Finance, Wait Time, Critical Events, and many more

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