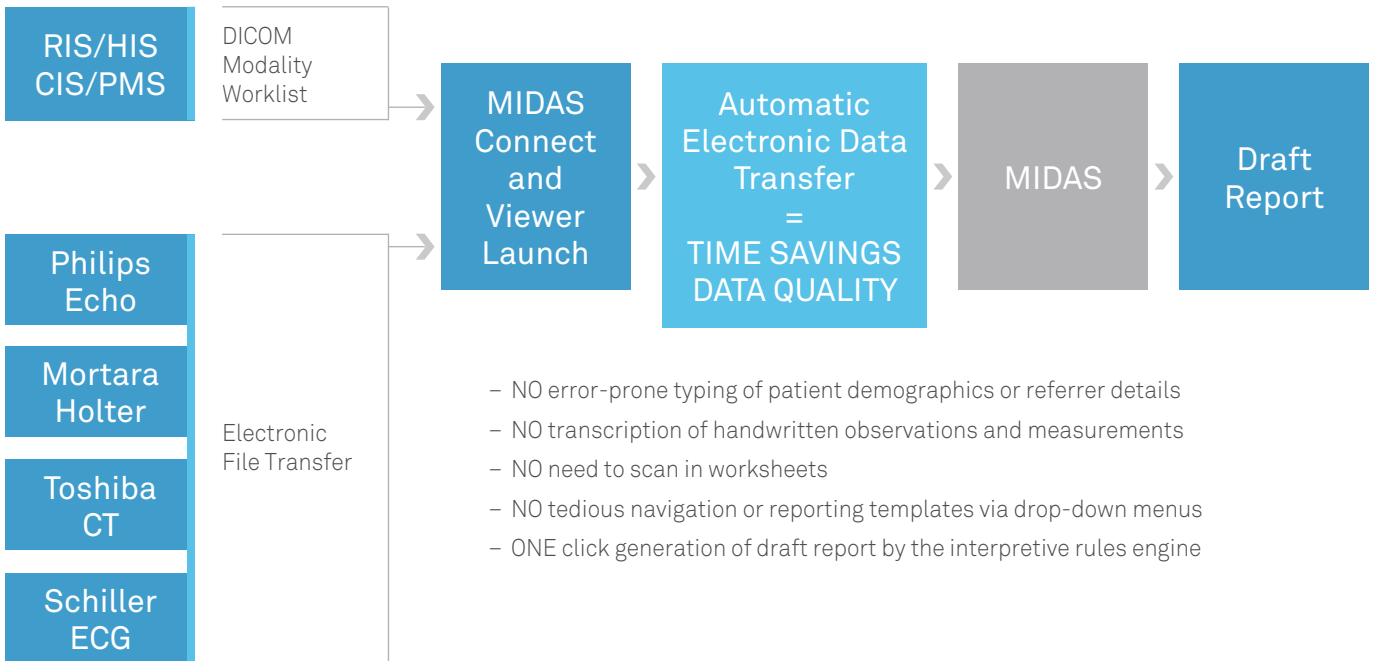


# MIDAS Interpretive Reporting Benefits Cardiology

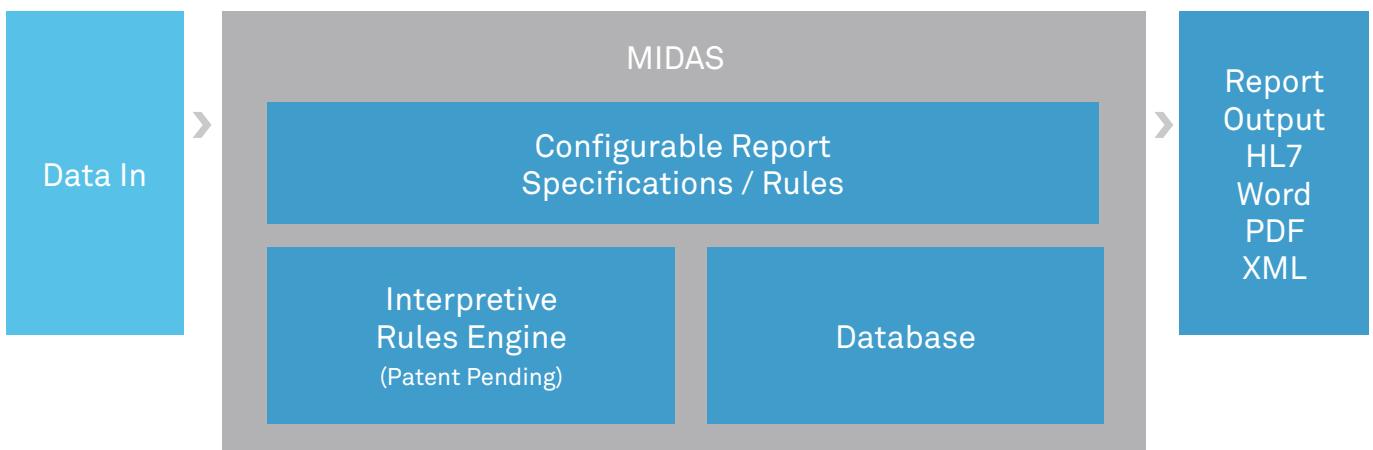


Author – Professor Christine Mingins

## MIDAS Data Acquisition



## MIDAS Interpretive Structured Reporting



- NO need for dictation or typists
- Report specifications / rules are configurable for individual practices and / or reporting doctors
- Reports can be integrated back into the RIS / HIS / CIS / PMS or generated in a standard format such as PDF

# MIDAS

## Interpretive Reporting Benefits Cardiology



Author – Professor Christine Mingins

### Sonographer/Technician

- **Saves time, improves quality, speeds up turnaround:**
  - No manual transcription of demographics, measurement data and observations
  - No need to hand draw and scan worksheets. MIDAS supports electronic drawing on embedded, customisable worksheet templates and can even automatically annotate the worksheet with measurements.
- **Improves team communication:** Sonographer/technician and reporting doctor subscribe to an agreed set of criteria and reporting language.
- **Facilitates a QA framework:** When training staff by providing an instant feedback mechanism for required measurements in a study.

### Reporting Doctor

- **Saves time, resources and money:** The MIDAS rules engine generates a draft report by interpreting the measurements and observations. In a high percentage of 'standard' studies, little or no amendments will need to be made to the draft report, thus saving 10-15 minutes per hour, per day for each reporting doctor.
- **Improves quality:**
  - Supports application of standardised terminology and clinical criteria eg ASE, ASUM, RSNA etc.
  - Review of older studies no longer has to be related to the context of a particular reporting doctor
  - MIDAS can enforce the compulsory reporting of particular study attributes – eg foetal heart rate
  - Doctors spend less time on transcribing, dictating and reporting and have more time for extra patients, teaching, patient visits, education etc.
- **Supports a flexible work environment:**
  - Doctors can connect to MIDAS via the internet using mobile technology
  - MIDAS thus facilitates a quick referral of a study for a second opinion if required
- **MIDAS supports research / teaching:** A data mining facility enables keyword searching of the study database; because all the data is stored in a structured (rather than free text) format, researchers can determine cohorts of studies based on a set of criteria – eg all male patients > 45 years old with a stenosis greater than 50% in the CCA.

### Hospital/Practice

- **Cost Savings:**
  - MIDAS saves each reporting clinician 10-15 minutes each hour every working day.
  - Time savings for sonographers/technicians means higher patient throughput.
  - Faster turnaround on patient processing and report generation means that inpatients who are non-problematic can be discharged and length of stay reduced.
  - Transcription costs are virtually eliminated.
  - All the benefits of MIDAS are available on pay per report monthly subscription plans.
- **Auditability:** MIDAS keeps track of all versions of reports and has the data available to generate quantified reports on machine / room / sonographer / doctor utilization.
- **Quality:** Reporting is based on agreed standards and terminology. Error rate is reduced by automating the data transfer.
- **Local knowledge and support:** MIDAS is 100% designed and developed in Australia.