



## Practical Data Capture & Processing

*Entering patient data or transcribing information from paper forms to electronic computer systems can be a significant proportion of a health care organizations daily workload. Reducing the numbers of operators involved in these activities while at the same time maximizing accuracy is of growing importance as greater efficiency is demanded from funding bodies and management. Gryphon has now packaged a series of solutions designed specifically for the health industry.*

Applications that can benefit from using Gryphon's expertise and selected third party products are:

- Menu Management System
- HACCC data capture for electronic loading to BDNH, Switch, PJB, etc
- Medical Records assessment and capture
- Billing, Admissions and Discharge
- Pharmacy orders and requisition systems
- Timesheets (payroll)
- Survey capture

The Gryphon paper based data capture systems utilise EzData™ or TypeReader™ products to process responses and either MSAccess or SIR/2002 as the database back-ends. Voice recognition using Scansoft™ products may also be appropriate depending on the application and hardware available. Palm or PDA (personal digital assistant) devices can be used as data capture implements along with the normal keyboard modes whether internet or locally based. All Gryphon solutions are tailored to the environment and needs of the client and offer inexpensive yet effective systems.

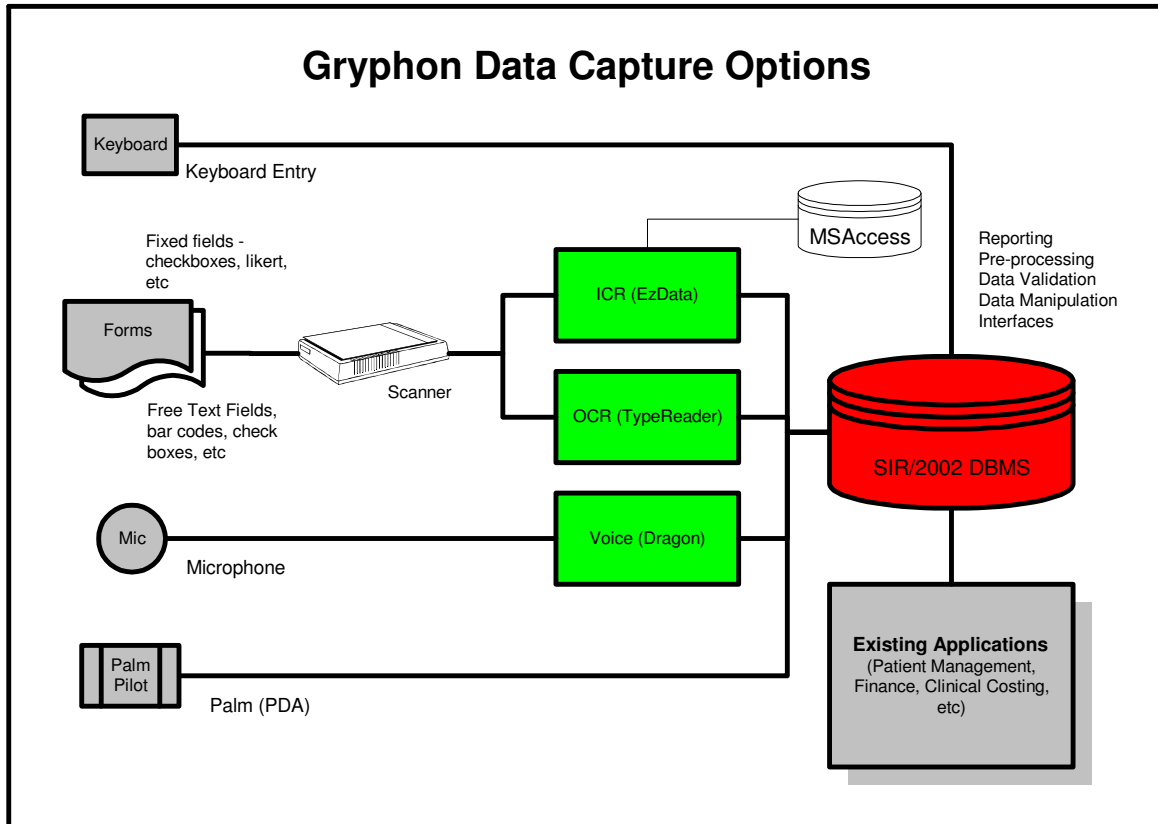
Commercial "off the shelf" systems provide little capacity for modification and are substantially more expensive than the best of breed approach employed by Gryphon.

With EzData™ you can create and process forms in a matter of minutes. TypeReader™ is an OCR product that retains format and can therefore be employed for reading certain third party forms and surveys. EzData™ is fast, accurate, and very easy to use. Data can be captured from hand written and marked paper forms. It is simply the best low cost solution for intelligent character recognition (ICR), object mark recognition (OMR), and bar-code form processing. All products, including the Dragon voice recognition, are packaged with a Gryphon database to complete a seamless solution to your data capture black hole.

The image displays two screenshots of data capture software. The left screenshot is titled "CB Medical History" and shows a form for a medical clinic. It includes fields for "Contact Information" (First Name, MI, Last Name, Street, City, State, Post Code), "Sex" (Male, Female), "Date Of Birth", "Medicare Number", "Height", and "Weight". Below these are questions about exercise frequency ("Do You Exercise? (Times/Week)", "Never", "Rarely", "1", "2", "3", "4", "5", "6", "7"), drinking ("Do You Drink? (Drinks/Day)", "None", "Rarely", "1 Drink", "2 Drinks", "3 Drinks", "4"), and smoking ("Do You Smoke? (Packs/Day)", "None", "Rarely", "1 Pack", "2 Packs", "3 Packs", "4"). At the bottom, there is a section to "Check All Medical Conditions That Apply" with checkboxes for Asthma, Arthritis, Heart Attack, Diabetes, Depression, Heart Failure, and Incontinence.

The right screenshot is titled "HACC MDS" and shows a form for agency and patient information. It includes a grid of questions (Q1-Q12) with checkboxes and text input fields. The questions are: Q1 Agency Name, Q2 Agency ID (Agency MDS Assigned No), Q3 Data Collection ID, Q4 Statistical Linkage Key, Q5 HACC Status, Q6 State (NSW, Vic, Qld, SA, WA, Tas, NT), Q7 Suburb, Q8 PostCode, Q9 Country of Birth, Q10 Spoken Language, Q11 Indigenous Status (1. YES Aboriginal, 2. YES Torres Strait Islander, 3. YES Both, 4. NO), and Q12 Living Arrangements (1. Lives alone, 2. Lives with Family, 3. Lives with Others).

Gryphon has the capability of designing a standalone application (ie a patient management, menuing, assets, CRM, etc) or interfacing a custom data capture system to your existing applications. Most commercial systems are keyboard driven, the Gryphon system merely places a different recognition interface between the database and the operator. No change is made to the existing software so no intellectual property is infringed or functionality compromised.



#### Indicative Prices\*

Systems Integration Consulting (project quoted based on a daily charge of \$800)

\*prices quoted exclusive of GST

In most cases a voice or form recognition data capture system can be installed and operating for less than \$5,000 including scanning hardware. Multi-user and high volume systems requiring more robust scanning technologies will cost upwards from about \$9,000. Additional users would cost around \$2,000 each. In theory it should be possible to reduce data transcription FTE by a factor of around 3:1 depending on the nature of the information processed. The cost of a typical 100 four sided forms/day operation could be reduced by as much as \$72,000 per annum.

It costs nothing to enquire about these solutions. Our people would welcome the opportunity to visit you and demonstrate the solutions or discuss the opportunities you may have to reduce your costs and increase the accuracy of your reporting or data capture.

Call Col Barling at Gryphon for more information on how intelligent character recognition systems can help you reduce costs and improve outcomes.

**Tel (03) 9878 6595**  
**Mob 0407 766 996**  
**inform@gryph.com.au**