

Bluebird's

OBGYN Electronic Medical Record



OBGYN EMR

Manual

This manual assumes you have read the "Basics Manual" or the "CCR Manual"

Detailed, training, video CD's are available from support@bluebird.co.za

IntelIMS (Pty) Ltd may have patents and or pending patent applications covering subject matter in this document. The furnishing of this information does not convey any license to these patents.

Copyright © 2000 - 2006 IntelIMS (Pty) Ltd. All rights reserved. All Bluebird products are trademarks or registered trademarks of IntelIMS.
Other brand or trademark names are the trademarks or registered trademarks of their respective holders.

What is Bluebird?

Bluebird is a suite of productivity and organization tools for physicians. The intent of these tools is to make the doctor's professional day easier and to lessen the likelihood of successful litigation.

What will Bluebird do for me?

Bluebird's greatest value lies in its potential to render practitioners more time-efficient. Detailed clinical and operative notes are essential to combat the rising threat of litigation. Producing such documentation without a tool such as Bluebird is time intensive and costly.

Bluebird means less administration and more time for clinical medicine. Used correctly, Bluebird significantly reduces the time and costs incurred with paper-based patient reports.

“You give me an extra 2 hrs per day with my family” – Dr. Hadley-Grave

What is included in the full Bluebird suite of products and what will they cost me?

Bluebird consists of:

- 1) Bluebird Messenger** – software, receipt of clinical reports (including pathology and radiology) AND support are provided without charge. Bluebird Messenger is focused on improving the efficiency of inter-practitioner communication - think of it as a dedicated electronic courier for doctors.
- 2) The Bluebird Hub** - communication center, encryption manager - provided without charge to the end user
- 3) Electronic medical record** (with many extremely powerful features) - cost depends on options - typically R4000 / doctor, however, the tool to organize laboratory and radiology reports as well as secure correspondence from colleagues is provided without charge. The demo allows intensive scrutiny (50 consultations and Procedures) before any financial outlay.
- 4) Practice management tools** - cost depends on options - typically R6000 / doctor. Importantly, Bluebird interfaces with many existing practice management systems, allowing you to use your current billing software and still take advantage of Bluebird's physician orientated tools. These interface options are provided without cost.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



Imagine

Clinical notes (and lab / radiology reports) being immediately accessible and professionally organized.

Your receptionist knowing if a pathology report was back without hunting through files or phoning the lab.

Detailed medico-legal documents being produced with minimal effort.

Receiving consultation notes on the day your patient was seen by the consultant*...

Being notified if your referral / consultation letter did not reach its destination ...

Always knowing what a colleague has told your patient ...

Your patient not being required to wait in a radiologist's rooms and then physically having to bring imaging reports back to your office ...

Your patients no longer having the opportunity to read reports before you do ...

Receiving pathology reports within minutes of their being processed at the laboratories** ...

Well, imagine no more! For the thousands of Bluebird enabled physicians much of this is already a reality.

* Bluebird provides secure communication services between Bluebird enabled doctors only.

** In terms of pathology, the real value of Bluebird is in organizing the data especially in terms of cumulative reports.

Think of the power of having a spreadsheet of renal function over time in a dialysis patient. The rate limiting step in terms of speed of receiving reports is dependent on the way in which you connect to the Internet, followed by how quickly your chosen laboratory makes the data available to Bluebird. From Bluebird to you is measured in seconds and minutes.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



Bluebird's powerful features

Construction of detailed medico-legal documents.

With the ever present threat of litigation, professional clinical records are the cornerstone of any successful defense. Producing the required detail (without a purposely built efficiency tool like Bluebird) is extremely time intensive. After the learning curve, Bluebird can cut this time by more than half.

Organization and management of clinical information.

Possibly the biggest advantage of electronic information over paper is the ability to store and organize that information for quick retrieval in different ways:

e.g. Mr. X's serum serial cholesterol over the last 12 months.

All the patients under the age of 6 referred by a particular GP with a productive cough in the last 6 months.

Rapid transfer of clinical information.

Bluebird enables physicians to receive reports from pathologists, radiologists and other practitioners, and to send reports to colleagues. This information is encrypted during transfer to ensure its security and confidentiality and automatically decrypted by the Bluebird software on the recipient's PC. Not only do you have peace of mind knowing that patient information is secure, but you will find using Bluebird is less expensive and more time-efficient than conventional methods of communication.

Tracking of medical reports.

Bluebird tracks and confirms delivery of reports.

An electronic prescription pad.

This feature enables users to rapidly generate prescriptions. The process is largely automated, with dosage and directions inserted by the system.

Predefined patient letters, SMS and email.

Bluebird enables you to set up a whole series of standard form letters to use in communicating results to patients. These letters can be named according to any convention that you define and are instantly accessible while you are working with incoming information. The process of writing to patients is therefore automated and streamlined.

Bluebird enables the physician to SMS the patient regarding lab results (either normal or asked to contact the reception for an appointment)

Automated patient recall.

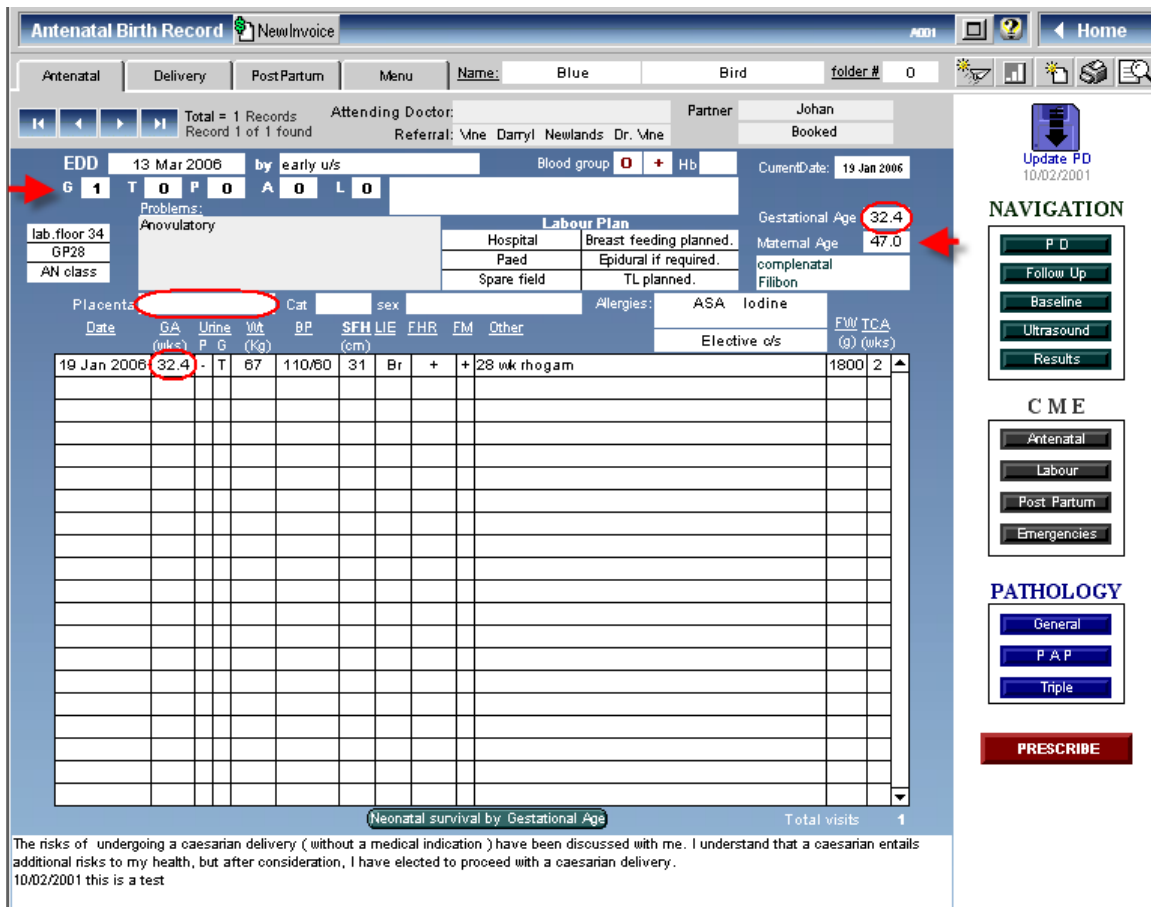
On receiving a report, Bluebird enables you to set a future patient recall date. All recall dates in the system can then be listed on a daily, weekly or monthly basis to generate either reminder letters to send to patients, or phone lists for direct communication.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



The Antenatal Record



Antenatal Birth Record | New Invoice

Antenatal | Delivery | PostPartum | Menu | Name: Blue Bird | folder # 0

Attending Doctor: Referral: Mne Daryl Newlands Dr. Mne Partner: Johan Booked

EDD: 13 Mar 2006 by early u/s Blood group: O+ Hb Current Date: 19 Jan 2006

G 1 T 0 P 0 A 0 L 0

Problems: Anovulatory

lab_floor 34 GP28 AN class

Labour Plan: Hospital Breast feeding planned. Maternal Age 32.4
Paed Epidural if required. Maternal Age 47.0
Spare field TL planned. complenatal Filibon

Placenta: Cat sex Allergies: ASA Iodine Elective c/s FWM TCA (g) (wks)

Date	GA (wks)	Urine P G	WT (kg)	BP	SFH (cm)	LIE	FHR	FM	Other	FWM (g)	TCA (wks)
19 Jan 2006	32.4	-	67	110/60	31	Br	+	+	28 wk rhogam	1800	2

Neonatal survival by Gestational Age Total visits 1

The risks of undergoing a caesarian delivery (without a medical indication) have been discussed with me. I understand that a caesarian entails additional risks to my health, but after consideration, I have elected to proceed with a caesarian delivery.
10/02/2001 this is a test

NAVIGATION
 Update PD 10/02/2001
 P O
 Follow Up
 Baseline
 Ultrasound
 Results

CME
 Antenatal
 Labour
 Post Partum
 Emergencies

PATHOLOGY
 General
 P A P
 Triple

PRESCRIBE

While Bluebird's antenatal record follows a format immediately familiar to most obstetricians, there are many time saving and safety features that make it an invaluable tool.

Once the EDD has been entered (note that the OBGYN is also expected to indicate the means used to determine that EDD), the gestational age at any visit is calculated by Bluebird (no more playing with little wheels!).

The maternal age, the partner's name, the placental position, the blood group, allergies, problem list etc are all prominently displayed.

The ACOG obstetric formula (GTPAL) is particularly useful:

- G = number of times pregnant
- T = previous term pregnancies
- P = previous preterm pregnancies
- A = previous abortions, miscarriages and ectopic pregnancies
- L = living children

Bluebird – intelligent software from IntelMS (Pty) Ltd

Liesbeek House, River Park, Cape Town, 7700



On the left of the screen (below the red arrow) are 3 fields:

- 1) An indicator that a copy of this sheet has been sent to the delivery suite and (when it was sent)
- 2) An indicator that a copy of this sheet has been sent to the GP (and when it was sent)
- 3) An indicator that antenatal classes have been organized.

Below the partner's (husband's) name on the top right, there is an indicator that the patient has been booked into the delivering hospital. Typically this is done at 20 weeks. It is very helpful at 3 am to see the husband's name on the top of the antenatal sheet!!!

Near the top centre of the screen are 6 fields in which to record the labour plan.

- 1) The name of the hospital where delivery is planned.
- 2) If breast feeding has been planned.
- 3) The planned paediatrician.
- 4) If an epidural is planned.
- 5) User defined field
- 6) Plans for future contraception – particularly useful if a tubal ligation is planned.

Below the maternal age field is space to record the antenatal vitamins prescribed.

Forcing the user to indicate if there are cats in the home ensures that toxoplasmosis is considered (and perhaps the initial IgG titre determined).

Each antenatal visit is entered on a new line (like the paper forms OBGYN's are used to using). Importantly the physician is prompted to record the symphysis fundal height. The pop-up list under "**Other**" reminds one to order standard tests at various stages of pregnancy (e.g. Rhogam at 28 wks if the mom is Rh-ve).

The layout tags at the top of the antenatal sheet take the physician to the delivery note, the postpartum visit and a menu where stats such as the caesarian section rate and a table of all undelivered patients (sorted by EDD) may be accessed.

There is also a table showing the survival by gestational age – really useful when you are counseling someone at 26 – 30 wks with prem labour.

In the right margin under CME (continued medical education) are clinical guidelines. Important note: These guidelines were put together by Dr. Darryl Garth Vine while still in academic medicine. They have not been updated since that time. The idea was that this module would be modified by academic organizations such as SASOG or ACOG). Bluebird welcomes criticism of these guidelines by physicians with a special interest in those fields. As a practitioner please take note of the Bluebird disclaimer on the opening page of the software.



There are a further 10 OBGYN specific modules which will be added to this manual shortly. They have all been in clinical use in private practice for more than a decade and include pre and post menopausal templates and many OBGYN procedures.

If you are interested in receiving these manuals as they become available please email darryl@bluebird.co.za

The following pages detail the generic templates that a few OBGYN's seem to prefer to the OBGYN specific templates.

Bluebird – intelligent software
from IntelIMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



Default Clinical Notes – the “Type” layout (“Bluebird for Dummies”)

The screenshot shows the Bluebird clinical notes interface. At the top, there's a navigation bar with 'ValueList' highlighted. Below it, patient information is displayed: FolderNo: 0, Blue, Bird, and Dr. Darryl Newlands. The main form includes fields for ProblemList (Anovulatory), PresentingComplaint (5. Follow Up Visit), and Hx PC (Abnormal bleeding Requests IUCD). A large central text area contains instructions for using voice dictation and document assembly features. Below this are sections for Drug Rx (with a 'Change Meds?' button), Investigations (FBC), Imaging (CXR shows TB [2]), Assessment (Doing well. Social support now improving.), and Plan (Repeat scan in 10 days). A 'Regards:' field is at the bottom.

By default, the page above is opened when you first use the clinical notes. The idea is a simple interface that might be all many doctors require.

Besides the central big white field that one can type or voice dictate, there are also optional features that introduce the power of Bluebird’s full EMR:

- 1) Additional fields allowing discrete data may be grouped and then analyzed (e.g. how many patients with a particular presenting complaint).
- 2) The 2 gray bars (red arrows) allow a generalized review of symptoms / signs and cut down on typing - they again give an example of the way the more powerful features work in the other modules).
- 3) The double headed red arrow on the left points to the drug and investigation section - this allows you to tap into a drug database (which means you do not have to remember all the dosages) and automate the printing of investigation forms.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



Make a new record (with the new record button - top right - sun on paper).

If you enter the patient's folder number, data (from the corresponding patient data file), will be auto-entered (it is really useful to enter your patients in the patient data file - that way the same data can be used again and again without re-entry - Bluebird does supply an interface to many common practice accounting applications).

When you click into a field, choices pop up (use the ValueList button at the center top to modify your pop up options). This cuts down on typing - most experienced Bluebird users can enter data faster that they can dictate it (and then it is done - no typist and no letters to check and perhaps correct).

When you are ready to unleash more powerful features, click on the script menu, chose "About" and change the opening layout to "Extended"

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



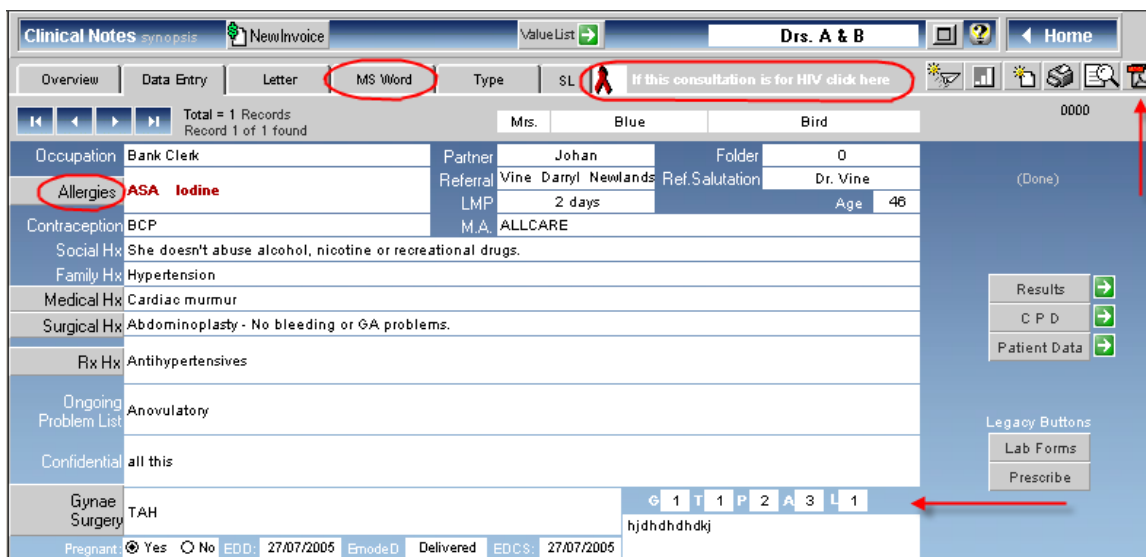
Clinical Notes - synopsis page - top.

This is the opening page once the **extended** layout has been chosen.

The **layout tags** at the top of the page allow navigation to the overview layout (a list of all the notes in the current found set), the letter layout (which shows what the printed letter will look like), the Word interface, the "Type" layout for new users and the SL (second language) layout.

The MSWord layout (red ring) is a powerful Bluebird feature for those practices that wish to use a word processor (like MSWord), but with all this powerful added functionality:

- 1) Improved medico-legal feature - the document is locked on shut down to prevent future editing.
- 2) The word document is now in a searchable database.
- 3) The searchable document is available for multiple users on the network.



The HIV module (red ring) (more documentation later) is a full featured HIV specific EMR.

The PDF module (right top - red arrow) allows the automated creation of encrypted PDF files on closing Bluebird - PDF is the defecate standard for electronic documents - this feature creates "electronic paper" which can still be accessed even if your full Bluebird application is unavailable. It is really useful to have these documents backed up at home.

When labels have a button (demonstrated by the Allergy button - red ring top left) - the user is able to select multiple choices with ease.

The left bottom red arrow shows fields that are available for female patients.

- G = No. of times pregnant
- T = No. of term pregnancies
- P = No. of previous pregnancies
- A = No. of miscarriages, abortions or ectopic's
- L = No. of living children

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



Clinical Notes - synopsis page - middle.

The important features here are:

- 1) The 2 gray bars (one for review of symptoms, one for review of signs). These buttons take the user to a page that allows entry of discrete data very rapidly. Like everything else these pages are able to be customized.
- 2) The Blue buttons - top for history, bottom for examination. This allows the user to customize 48 templates (in 2 languages) so that a very detailed history and examination can be documented extremely quickly.
- 3) Vitals are recorded here and BMI calculated. (note vitals can be entered elsewhere on the network by nursing staff).
- 4) The general examination (multi-choice field) is also entered here.

Click this bar to enter a generalized review of symptoms (the blue tabs are templates that you may personalize)																	
Upper GIT	Lower GIT	Liver	Genital	CVS	Blood	Respiratory	Urinary	Skin	Nervous	Locomotor	ENT						
Vitals		Temp	37	Pulse	70	B.P.	120/80	RR	16	Waist	32	Weight	70 kg	Height	1.83	BMI	20.90
Gen. exam	Oedema																
Click this bar to enter a generalized review of signs																	
Eyes	Face	Mouth	Ears	Neck	Upper Limbs	Thorax	Abdomen	FemaleGenita	MaleGenitalia	Lower Limbs	Excreta						

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074

Clinical Notes - synopsis page - bottom.

The important features here are:

- 1) The Investigations panel allows one to choose special investigations and then print them. The idea is to save a staff member (or your patient) having to fill the details in by hand.
- 2) The Drug panel. Similar to the investigation panel - all current meds are filled in automatically, your drug database is accessible and scripts can be printed.

- 3) At the very bottom of the page (big red ring), the top of the page is mirrored so that one is not required to scroll up to find these buttons.
- 4) The current problem list is displayed to the right and the green buttons (red arrows) will add either the assessment or the plan to that problem list.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

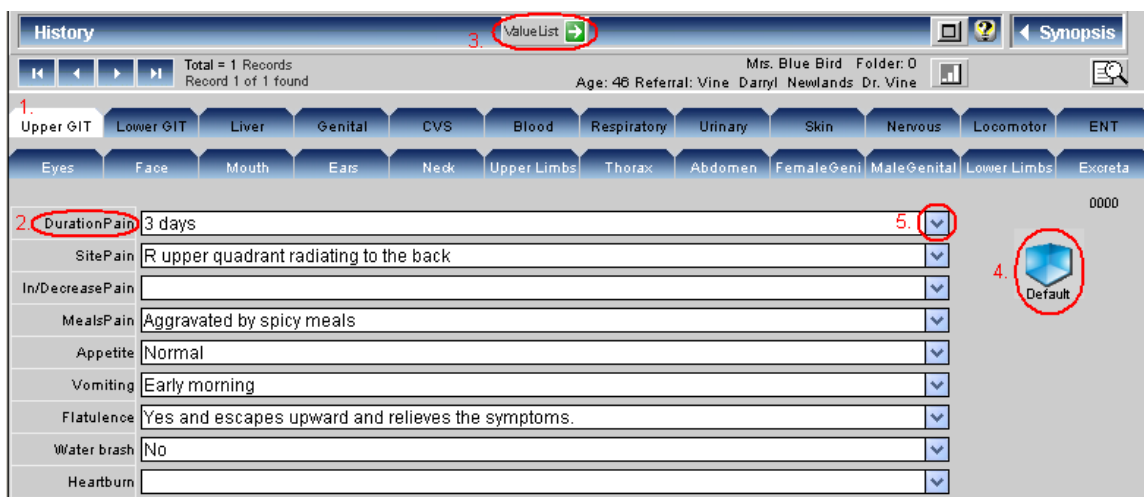
Liesbeek House, River Park,
Cape Town, 7700



Clinical Notes - Detailed Templates - "Blue Tabs".

The important features here are:

- 1) The currently selected template is coloured white. All the names and choices on the templates are able to be changed.
- 2) The template headings are also customizable. The pop up choices (up to 100) are similarly configurable.
- 3) Configuration is done by clicking on the ValueList button.
- 4) One of the most powerful time saving features is the ability to auto fill fields with your defaults. Be sure to enter unusual finding first, and then click the default button - data will not be overwritten. You set up your defaults using the script menu (Set Defaults).
- 5) These buttons allow more than one choice to be made.



The screenshot shows a clinical notes interface with a 'History' tab and a 'Synopsis' button. A 'ValueList' button is highlighted with a red circle and labeled '3'. Below the tabs, there are navigation buttons and patient information: 'Total = 1 Records', 'Record 1 of 1 found', 'Mrs. Blue Bird', 'Folder: 0', 'Age: 46 Referral: Vine Darryl Newlands Dr. Vine'. A row of 'Blue Tabs' includes: Upper GIT, Lower GIT, Liver, Genital, CVS, Blood, Respiratory, Urinary, Skin, Nervous, Locomotor, ENT, Eyes, Face, Mouth, Ears, Neck, Upper Limbs, Thorax, Abdomen, FemaleGeni, MaleGenital, Lower Limbs, Excreta. The 'DurationPain' field is highlighted with a red circle and labeled '2', containing the text '3 days'. A 'ValueList' button is highlighted with a red circle and labeled '5' next to it. A 'Default' button is highlighted with a red circle and labeled '4'. Other fields include SitePain (R upper quadrant radiating to the back), In/DecreasePain, MealsPain (Aggravated by spicy meals), Appetite (Normal), Vomiting (Early morning), Flatulence (Yes and escapes upward and relieves the symptoms.), Water brash (No), and Heartburn.

The examination detailed templates work in exactly the same manner.

Bluebird – intelligent software
from IntelIMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700

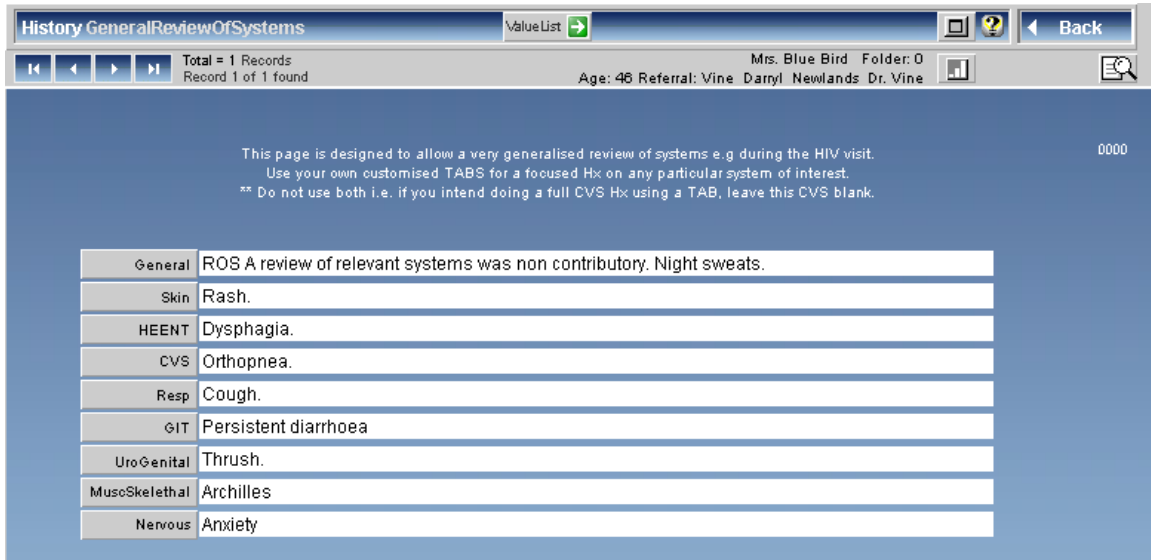


support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074

Generalized Reviews of Symptoms and Signs - "GreyBars".

These pages are useful if one wishes a more detailed review of symptoms or review of signs (in addition to the general examination field).



History GeneralReviewOfSystems ValueList Back

Total = 1 Records
Record 1 of 1 found Mrs. Blue Bird Folder: 0
Age: 46 Referral: Vine Darryl Newlands Dr. Vine

This page is designed to allow a very generalised review of systems e.g during the HIV visit.
Use your own customised TABS for a focused Hx on any particular system of interest.
** Do not use both i.e. if you intend doing a full CVS Hx using a TAB, leave this CVS blank.

General	ROS A review of relevant systems was non contributory. Night sweats.
Skin	Rash.
HEENT	Dysphagia.
CVS	Orthopnea.
Resp	Cough.
GIT	Persistent diarrhoea
UroGenital	Thrush.
MusoSkeletal	Archilles
Nervous	Anxiety

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074

Procedures

In essence this module works in the same way as the clinical notes, allowing multiple procedures to be set up using the "Blue Tabs".
 The MSWord layout allows one to make a template in word (or other programs) and then import it into the procedure note - e.g. a drawing of the appendix may be used as a template and then modified in Bluebird and linked to the patient note.

The screenshot displays the Bluebird Procedures module interface. At the top, there are navigation tabs for 'Procedures synopsis', 'NewInvoice', and 'Value List'. Below this is a toolbar with icons for 'Overview', 'Data Entry', 'OR Note', 'MS Word', and 'Type'. The main area contains patient and procedure details:

- Patient:** Blue Bird
- Anaesthetist:** Isa Gas
- Pathologist:** Ampath
- Procedure:** TAH
- Indication:** Abnormal bleeding
- FolderNo:** 0
- Assistant:** Dr. Retract Orr
- Referral:** Vine Darryl Newlands Dr.
- Anaesthesia:** Epidural
- Date:** 7 Mar 2003

Below the details is a 'Preamble' field containing the text: "This patient had intractable uterine bleeding and had failed medical treatment". To the right of the preamble is a 'Time' field showing 13:49 and a 'ScrubNurse' field.

A row of procedure tabs is visible, including: TAH, Chole, Appy, D&C, Bronchoscopy, Cystoscopy, Gatroscopy, LAVH, Evac, C/s.

Below the tabs are several text input fields for procedure details:

- Drains:** Portavac drains were placed in the pelvis and subfascially.
- Skin Closure:** Staples and steristrips.
- EBL:** 400 ml
- SpongeCount:** The instrument and sponge count was correct.
- PAR:** The patient tolerated the procedure well and left for the recovery room in good condition.
- Complication/s:** Nil.
- Code:** 123 123

On the right side, there is a 'Canned Text' button and a 'Copies to:' field with the text 'Vine Darryl Newlands Dr. Vin'.

Theatre clock in times are recorded on the top right.
 The scrub sister's name is recorded on the middle right.
 There is a canned text button which allows the input of blocks of canned text.

Bluebird – intelligent software
 from IntelMS (Pty) Ltd

Liesbeek House, River Park,
 Cape Town, 7700




support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
 Fax: 0866 708074

HIV - Visit - choices

When you click the HIV module button (at the top of the synopsis page) you are taken to a page that looks very similar to the synopsis page. Here you are asked to select a reason for the current HIV visit.

After selecting the reason for the current HIV visit, click the green continue button - you will be taken to the appropriate template.

Reason For Visit	<ol style="list-style-type: none"> 1. Pre-test counseling 2. Post-test counseling 3. Booking visit 4. Eligibility for ART ✓ 5. Follow Up Visit 6. Death 	Continue 
The HIV module is (e.g. PostTestCoun		document more than 1 for the second "visit
Counselling		ugs Past ART ()



HIV - Visit – top

HIV Clinical Notes		HIV Visit											
Total = 1 Records Record 1 of 1 found		Mrs. Blue Bird Folder: 0 Age: 46 Referral: Vine Darryl Newlands Dr. Vine											
History Scheduled Visit: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hospitalized since last visit?: <input checked="" type="checkbox"/> 1. Yes <input type="checkbox"/> 2. No <input type="checkbox"/> 7. Not applicable OUTPATIENT episode of any of the following since the visit here?: <input checked="" type="checkbox"/> Diarrhoea <input type="checkbox"/> Herpes Zoster <input type="checkbox"/> Pneumonia <input type="checkbox"/> STI <input checked="" type="checkbox"/> TB Current Symptoms: <input checked="" type="checkbox"/> Abdominal pain* <input type="checkbox"/> Muscle pain* [77] <input type="checkbox"/> Weight loss in last 6/12 <input type="checkbox"/> Acute diarrhoea lasting more than 4/52* [54] <input type="checkbox"/> Nausea* [52] <input type="checkbox"/> Change in body shape* <input type="checkbox"/> Night sweats <input type="checkbox"/> Chronic diarrhoea lasting more than 4/52 <input type="checkbox"/> Paraesthesia* (numbness / tingling) [73] <input type="checkbox"/> Cough <input type="checkbox"/> Skin rashes* [61] <input checked="" type="checkbox"/> Fever <input type="checkbox"/> Sputum Production <input type="checkbox"/> Headache* [64] <input checked="" type="checkbox"/> Vomiting* [53]		Visit Date: 21/02/2003 <table border="1"> <thead> <tr> <th>Date</th> <th>Diagnosis</th> </tr> </thead> <tbody> <tr> <td>23/08/2005</td> <td>Dehydration</td> </tr> <tr> <td>23/08/2005</td> <td>Pneumonia</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> If TB Date Dx: 17/08/2005		Date	Diagnosis	23/08/2005	Dehydration	23/08/2005	Pneumonia				
Date	Diagnosis												
23/08/2005	Dehydration												
23/08/2005	Pneumonia												
ART If never exposed to ART CLICK here Regiment No. <input type="checkbox"/> 00 <input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> 09 <input type="checkbox"/> 10 <input checked="" type="checkbox"/> NA Time on current regiment <input type="checkbox"/> 00 <input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> 09 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 12-24 <input type="checkbox"/> > 24 <input type="checkbox"/> > 60 <input checked="" type="checkbox"/> NA													
Adherence Number tablets Missed in last 3/7 <input type="checkbox"/> 00 <input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> 09 <input type="checkbox"/> 10 <input checked="" type="checkbox"/> NA In last 7/7 when were they mainly missed? <input type="checkbox"/> 00. No tablets missed <input type="checkbox"/> 01. Morning <input type="checkbox"/> 02. Evening <input type="checkbox"/> 03. Morning & Evening <input checked="" type="checkbox"/> NA AdherenceFears: NA WhyMissed: 97. Not on treatment													
ART Contraindications <input type="checkbox"/> 00. No known contraindications to ART <input checked="" type="checkbox"/> 01. SEVERE ANAEMIA < 8 (AZT) <input checked="" type="checkbox"/> 02. SEVERE NEUTROPENIA < 0.75 (AZT) <input type="checkbox"/> 03. Known ART HYPERSENSITIVITY (Abacavir, nevirapine?) <input type="checkbox"/> 04. PREGNANCY IN FIRST TRIMESTER (Efavirenz, ddI / d4T combination) <input type="checkbox"/> 05. LACTATION (ddI / d4T combination) <input type="checkbox"/> 06. CLINICAL DEPRESSION (Efavirenz) <input type="checkbox"/> NA		ART Cautions <input type="checkbox"/> 00. No cautions noted for ART Rx. <input checked="" type="checkbox"/> 01. HISTORY OF PANCREATITIS (ddI / d4T) <input type="checkbox"/> 02. AST / ALT > 5X UPPER LIMIT NORMAL (Nevirapine / Efavirenz) <input checked="" type="checkbox"/> 03. PERIPHERAL NEUROPATHY (ddI / d4T) <input type="checkbox"/> 04. CHRONIC HBV OR HCV (Nevirapine / Efavirenz) <input type="checkbox"/> NA											

The templates are really self explanatory, but are very useful to focus the practitioner's attention on detail required by managed care. Also for those that do not see very many HIV patients, there is a wealth of information in the templates.

Bluebird – intelligent software from IntelMS (Pty) Ltd

Liesbeek House, River Park, Cape Town, 7700



support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074

HIV - Visit - middle

This portion of the template links to Bluebird's automated laboratory download module. It makes it easy to collect past CD4 and viral loads and send to the funding organization.

The adverse events module makes it very easy to monitor and document the onset and resolution of adverse events.

Click this bar to enter a generalized review of symptoms

Examination

Vitals Temp: 37 Pulse: 70 B.P.: 120/80 RR: 16 Waist: 32 Weight: 70 kg Height: 1.83 BMI: 20.90

Gen. exam:

Click this bar to enter a generalized review of signs

HIV specific

<input type="checkbox"/> Active Herpes Zoster	<input type="checkbox"/> Old Herpes Zoster	<input type="checkbox"/> Seborrheic dermatitis
<input type="checkbox"/> Angular cheilitis	<input type="checkbox"/> Oral candidiasis	<input type="checkbox"/> STI
<input type="checkbox"/> Cachexia	<input type="checkbox"/> Oral candidiasis & retrosternal dysphagia	
<input checked="" type="checkbox"/> Eye disease	<input type="checkbox"/> Oral hairy leukoplakia	
<input type="checkbox"/> Fungal nail infections	<input checked="" type="checkbox"/> Peripheral neuropathy	
<input type="checkbox"/> HSV ulcers >1/12	<input type="checkbox"/> Persistent generalised LN (> 1 extra-inguinal site & >1 cm)	
<input type="checkbox"/> Kaposi's sarcoma	<input type="checkbox"/> Prurigo (generalized)	

Other HIV

HIV Labs

CD4	Viral Load
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

AdverseEvents

1 Events	Severity	Hospitalised?	StartDate	StopDate	Week	ProbableCause	ActionTaken
1 Hypermnatraemia	01. Mild	01. No	12/12/2005	12/12/2005	4	03. Other	00. None

Bluebird – intelligent software from IntelIMS (Pty) Ltd

Liesbeek House, River Park, Cape Town, 7700



support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074

HIV - Visit – bottom

Investigations	FBC U&E	
Imaging	CXR shows TB [2]	
Karnovsky	20% Patient very ill with hospitalisation and active life-support treatment necessary	
Stage	<p>Adult</p> <input type="checkbox"/> 1] Generalised lymphadenopathy <input type="checkbox"/> 2] Weight loss, <10% of body weight <input type="checkbox"/> 2] Minor mucocutaneous conditions <input type="checkbox"/> 2] Shingles within the last five years <input type="checkbox"/> 2] Recurrent upper respiratory tract infections <input type="checkbox"/> 3] Weight loss >10% of body weight <input type="checkbox"/> 3] Unexplained chronic diarrhoea > 1 month <input type="checkbox"/> 3] Oral candidiasis <input type="checkbox"/> 3] Oral hairy leukoplakia <input type="checkbox"/> 3] Pulmonary tuberculosis <input type="checkbox"/> 3] Severe bacterial infections (i.e. pneumonia) <input type="checkbox"/> 4] HIV/wasting syndrome <input checked="" type="checkbox"/> 4] AIDS defining opportunistic infection*. Please specify:	<p>Paediatric</p> <input type="checkbox"/> 1] Generalised lymphadenopathy <input type="checkbox"/> 2] Unexplained chronic diarrhoea <input type="checkbox"/> 2] Severe persistent or recurrent candidiasis outside the neonatal period <input type="checkbox"/> 2] Weight loss or failure to thrive <input type="checkbox"/> 2] Persistent Fever <input type="checkbox"/> 2] Recurrent severe bacterial infections <input type="checkbox"/> 3] Severe failure to thrive <input type="checkbox"/> 3] Progressive encephalopathy <input type="checkbox"/> 3] Malignancy <input type="checkbox"/> 3] Recurrent septicaemia or meningitis <input type="checkbox"/> 4] AIDS defining opportunistic infection. Please specify:
AidsDef 01	09. Herpes simplex - mucocutaneous for more than one month or visceral 22. Lymphoma (of brain or B-cell phenotype)	
Assessment	Doing well. Social support now improving.	
Drug Rx	Change Meds? <input checked="" type="radio"/> Yes <input type="radio"/> No If yes, click the drug button and add to drug portal	
	Past ART	Current ART / Current Medication/s
Plan	Repeat scan in 10 days	
	Date Next visit:	23/08/2005
	Regards:	Dr. J. Soap

Karnofsky, staging and drug treatment are all well handled.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



HIV - Adverse Event Page

HIV Clinical Notes		Adverse Events							Back	
Mrs. Blue Bird Folder: 0 Age: 46 Referral: Vine Darryl Newlands Dr. Vine										
AdverseEvents (1)	Severity	Hospitalised?	StartDate	StopDate	Week	ProbableCause	ActionTaken			
1 Hypernatraemia	01. Mild	<input checked="" type="checkbox"/> 01. No <input type="checkbox"/> 02. Yes	05	12/12/2005	4	03. Other	00. None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Clicking on the AdverseEvent button on the HIV visit page brings one here. The event, as well as severity, hospitalization etc is recorded. By specifying a start and stop date, Bluebird can keep track of current adverse events.

Bluebird – intelligent software
from IntelMS (Pty) Ltd

Liesbeek House, River Park,
Cape Town, 7700



support@bluebird.co.za
www.intelms.com

Tel: 0861 629329
Fax: 0866 708074