

Bottomline Image Integration™ for Healthcare

Improve Physician Satisfaction and Eliminate Manual Scanning of Patient Test Results

As healthcare organizations continue to drive adoption of in-house electronic health record (EHR) systems, Bottomline's advanced Image Integration solution enhances user satisfaction by enabling physicians and other caregivers to access and view patient documents from ancillary systems directly within the patient's electronic folder.

With Bottomline's Image Integration solution, documents from cardiology, radiology, pathology and third-party systems, appear as they did originally – without the need for additional interpretation.



Get to the Accurate Diagnosis Faster

Bottomline's Image Integration solution improves patient care by enabling physicians to read documents and make their diagnoses faster than ever before. With Bottomline, physicians have everything they need at their fingertips to make the safest, most accurate decision about patient care.

CMH Regional Health System
Clinton Memorial Hospital
410 N. Main Street, Wilmington, Ohio 45377
937-362-6611

STAT

REFERRING PHYSICIAN:
DR. JAMES
DR. JAMES
DR. JAMES
DR. JAMES
DR. JAMES

PHYSICIAN ORDER NUMBER:
DATE OF ORDER: 01/18/2008

DATE OF BIRTH: 1/26/1974
DATE OF ADMISSION: 01/18/2008

TECHNOLOGIST: Fran

INDICATION FOR EXAM: Chest pain, history of mitral prolapse, shortness of breath.

MEASUREMENT	OBSERVED VALUE (IN CMH)	NORMAL RANGE	VALUES
	Diastolic	Systolic	SB DB MAP
Right Ventricular Dimension (LVID)	4.5	2.8	3.8-5.8 (4.8)
Right Ventricular Dimension (RVID)	2.7		2.7-3.3 (3.0)
Interatrial Septum (Thickness)	1.1		0.6-1.1 (0.9)
Left Ventricular Dimension (LVID)	5.0		4.0-5.1 (4.9)
Aortic Root	3.3		2.8-3.7 (3.2)
Left Atrial Area (cm2)	16		<20 cm2

Before Bottomline

4. There is minimal mitral valve thickening. Prolapse is not identified.
Peak diastolic velocity is 0.5 meters per second. Mitral stenosis not identified is identified.
5. The aortic valve is structurally and functionally normal.
6. The aortic valve is structurally normal with mild retrograde regurgitation.
7. The pulmonary valve is structurally normal with mild pulmonary insufficiency.
8. Tricuspid regurgitation is not identified.
9. Patent foramen ovale is not identified.
10. Right ventricular septal pressure is estimated at 28.0 mmHg. 11. The interatrial septum appears thin and hyperechoic. A shunt is not identified.

1 of 1

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Clinton Memorial Hospital

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Wilmington, OH 45377

Transcatheter Echocardiogram

Patient: Med Book-24842
Accession: 011808
Date: 01/18/2008

DOB: 01/26/1974
Sex: F
Type:

Referring: MEHR, M.D.
Booking: 187407
Technician: F

Body Quality:

Chamber	Area	Area	Area	Area	Area	Area	Area	Area	Area
	cm2	cm2	cm2	cm2	cm2	cm2	cm2	cm2	cm2
LAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
RAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
RAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
RAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
RAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
RAVID	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

After Bottomline

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Optimize EHRs Without Custom Development

Bottomline's Image Integration capabilities work with MedEx®, Bottomline's healthcare forms automation and delivery solution, to quickly and easily integrate original test results with those processed electronically through various EHR solutions. By combining a range of electronic files directly into one record, healthcare facilities can eliminate or significantly reduce labor-intensive scanning and indexing of patient test results and other documents.

With Image Integration, healthcare organizations can also avoid costly interface development often required by third-party vendors to integrate these documents into EHRs. These savings can typically range from \$5,000 to \$25,000 per ancillary system per year.

In addition to significant time, resource and cost savings, Bottomline's Image Integration solution is easy to implement with in-house resources and works with any source system that can print to a postscript printer.



“Our physicians love it. Bottomline's solution finally gives our doctors the seamless integration they were looking forward to when we implemented our McKesson EHR system. Prior to Bottomline, they had to go to several systems to read and interpret patient test results. Now they can just go into the EHR tab and everything is in the same location in its original format.”

Linda Kiefer
Senior Electronic Forms and Imaging Analyst
CMH Regional Health System

About Bottomline Healthcare Solutions

Bottomline's payments and medical forms automation, delivery and archive solutions are used today by more than 900 healthcare organizations nationwide. These organizations trust Bottomline's products and services to reduce costs, streamline document-intensive processes, improve productivity and ensure patient safety.

For more information about Bottomline's Image Integration solution or any of Bottomline's Healthcare applications, contact a sales consultant at 1.800.472.1321, option 5 or visit www.bottomline.com/healthcare_solutions.

Case Study: Clinton Memorial Hospital

Prior to implementing Bottomline's Image Integration solution, physicians at Clinton Memorial Hospital (CMH) were finding it difficult and time consuming to interpret test results from their McKesson EHR because it took too long to read the electronic results in a patient's folder. Their EHR solution only accepted ASCII documents to be cold fed, or imported, directly into the electronic medical record. When the files were imported into the EHR the formatting was lost. The data was there, but the format made it difficult to decipher.

Before utilizing Image Integration from Bottomline, physicians found it easier to look back at the sending system to interpret test results rather than reading the results within the patient folder due to the loss of formatting. This reluctance by physicians to adopt the new technology keeps hospitals like CMH from getting information into the patient record quickly and prohibits initiatives to eliminate manual scanning of patient's documents throughout the continuum of care.

Bottomline's Image Integration solution ensures that test results and other documents are automatically indexed to the appropriate patient and document type immediately, in their original format, eliminating the need for further intervention or interpretation.



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