



# Clinical Viewer

Robust functionality combined with  
flexible portal technology

360° Decision-Making

- Immediate Access
- Smart Navigation
- Clinician-driven Flexibility





# Immediate Access

## Web-based & Secure

### OACIS "Smart Lists" Guide Clinical Actions

Ideal for effective clinical decision support, the Clinical Viewer streamlines workflow, providing a single, intuitive source for accessing and analyzing a patient's situation. Immediately upon sign-in doctors, nurses, and allied care professionals see a dynamic list of their patients combined with visual cues that guide them towards the most urgent situations and help them to "manage by exception". Indicators highlighted in **bold** suggest the user has not yet viewed the data and red represents an urgent condition. Further, numeric values on the summary grid provide rapid understanding of the time orientation of data. In the example below, a busy clinician can immediately see that a patient seen in the Ortho Clinic has two urgent unread results from five days ago (5d).

Location	Patient Name	MRN	Age	Sex	Admitting/Attending	LAB	MICRO	RAD	TRAN	ORDER	DCS
Cardiac Clinic	KEEZER, JANI	000417339-9	45 yr	F	Watson, John	5 d	8 d	<b>5 d</b>			
Cardiac Clinic	HARRINGTON, DAVID	000409442-1	49 yr	M	Hunt, Debra	5 d	5 d	<b>5 d</b>			
Cardiac Clinic	CLEARY, PATRICK	EDD39605-0	61 yr	F						<b>4 mo</b>	
ED Exam 1	HEART, LINDA	PAT12134423-3	59 yr	F	SMITH, JOHN	6 mo	6 mo	7 mo		<b>6 mo</b>	5 d
ED Exam 2	ANDERS, ELLIOT Q	000102001-5	84 yr	M	Caudie, James	5 mo	5 mo	5 mo	8 d	<b>5 d</b>	<b>5 mo</b>
ED Exam 3	HEART, MICHAEL	PAT22134423-3	59 yr	M	SMITH, JOHN	<b>2 w</b>	<b>2 w</b>	<b>2 w</b>		<b>2 w</b>	<b>2 w</b>
ED Trauma 4	BROWN, CLAUDE	PAT82134423-3	42 yr	M	SMITH, JOHN	<b>5 d</b>	<b>5 d</b>	<b>9 d</b>		<b>5 d</b>	<b>9 d</b>
Ortho Clinic	SMITH, JOANNE A	000129765-4	89 yr	F	Caudie, James	<b>5 d</b>	<b>5 d</b>	<b>6 d</b>			
Ortho Clinic	DILLON, DEAN P	000391480-4	22 yr	M	Smith, Donald	5 mo	5 mo	<b>5 mo</b>	<b>5 d</b>		<b>UC</b>
Ortho Clinic	DANNIELS, BRIAN L	000096783-6	57 yr	M	Caudie, James	5 d					
S12 1213A	ERHARDT, LEIGH	000100800-9	86 yr	F	Caudie, James	<b>5 d</b>	<b>5 d</b>	<b>6 d</b>	<b>8 d</b>		
S12 1215B	NORSTRAND, IMOGENE F	000418445-3	49 yr	F	Ransom, Laurence	4 mo	<b>5 d</b>	<b>5 d</b>			
S12 1219A	JURGENSON, MARGARET L	000440157-6	90 yr	F	Caudie, James	<b>5 d</b>	<b>5 d</b>	<b>9 d</b>			
S12 1221A	UBALDI, ANTHONY L	000440114-9	35 yr	M	Johnson, Harry	<b>5 d</b>	<b>2 w</b>	<b>13 d</b>		<b>2 mo</b>	
S12 1224A	BERO, BRUCE	000440151-9	22 yr	M	Smith, Donald	5 d				<b>2 w</b>	
Tele 01	ZYLAND, GILLEGAN	PAT72134423-3	59 yr	M	SMITH, JOHN				<b>5 d</b>		<b>5 d</b>
Tele 02	SECAN, MICHELLE	PAT82134423-3	58 yr	F	SMITH, JOHN				<b>12 d</b>		<b>5 d</b>

Patient List with "smart summarization" Feature

# SMART NAVIGATION

## Optimized Decision-making

### Service-specific chronologies

As the visual cues on the smart list drive clinicians toward the most urgent patient situation, clicking on a cell (5d) will immediately transport the user to a deeper level of granularity. In the case above, a chronological list of laboratory results would be seen with viewed/not viewed rows represented in non-bold or **bold** characters and the urgent results represented in red.

Various filtering capabilities help clinicians to quickly focus-in on key aspects of longitudinal lists. With the infinite capacity and built-in intelligence found in OaCIS, an unlimited number of service-specific lists, such as encounters, radiology reports, microbiology results, medication orders, and clinical notes can be added.

Date	Source	Description	Result	Unit	Normal Range	Abnormal	View
08p 10, 23k 7 95:58	LAB	WBC-BLIND	2.0	WBC	1.5-2.4		
08p 10, 23k 7 95:58	LAB	POISSON	4.1	WBC	3.5-5.0		
08p 10, 23k 7 95:52	LAB	URINALYSIS					
08p 10, 23k 7 95:52	LAB	COLOR-U	YELLOW				
08p 10, 23k 7 95:52	LAB	CLARITY-U	CLEAR				
08p 10, 23k 7 95:52	LAB	URINE PH	7.8		5.0-7.0		
08p 10, 23k 7 95:52	LAB	PROTEIN	NEGATIVE	mg/dL	NEGATIVE		
08p 10, 23k 7 95:52	LAB	GLUCOSE	NEGATIVE	mg/dL	NEGATIVE		
08p 10, 23k 7 95:52	LAB	KETONES	NEGATIVE	mg/dL	NEGATIVE		
08p 10, 23k 7 95:52	LAB	BILE	NEGATIVE		NEGATIVE		
08p 10, 23k 7 95:52	LAB	BLOOD	NEGATIVE		NEGATIVE	A	
08p 10, 23k 7 95:52	LAB	NETRIT	NEGATIVE		NEGATIVE		
08p 10, 23k 7 95:52	LAB	LEUKOCYTE	NEGATIVE		NEGATIVE		
08p 10, 23k 7 95:52	LAB	LEUCOCYTES	0	/HL	0-11.0		
08p 10, 23k 7 95:52	LAB	SPECIFIC GRAVITY	1.009		1.008-1.030		
08p 10, 23k 7 95:52	LAB	HGB	3.3	g/dL	0.2-9.9	A	
08p 10, 23k 7 95:52	LAB	EPITHELIAL CELLS	FEW	/HPF		A	
08p 10, 23k 7 95:52	LAB	BACTERIA	FEW			A	
08p 10, 23k 7 95:52	LAB	WBC	FEW			A	
08p 10, 23k 7 95:52	LAB	PLATELET COUNT-PLT-CHT					
08p 10, 23k 7 95:52	LAB	PLATELET COUNT	26.6	KU	143-443		
08p 10, 23k 7 95:52	LAB	MPV	8.5	fL	7.4-13.9		
08p 10, 23k 7 95:52	LAB	HEM PANEL					
08p 10, 23k 7 95:52	LAB	WBC	9.6	KU	6.0-14.5		
08p 10, 23k 7 95:52	LAB	RHEUMATOID FACTOR TITER-RA-C	3.8	KU	4.85-5.09	L	
08p 10, 23k 7 95:52	LAB	HGB	10.8	g/dL	11.9-14.9	L	
08p 10, 23k 7 95:52	LAB	HEMATOCRT	32.5	%	33.9-41.9	L	
08p 10, 23k 7 95:52	LAB	HCT	83.0	%	73.5-93.8	H	
08p 10, 23k 7 95:52	LAB	MCV	38.0	fL	35.5-38.8		
08p 10, 23k 7 95:52	LAB	MCH	33.4	pg	32.3-38.8		
08p 10, 23k 7 95:52	LAB	MCHC	19.6	g/dL	11.9-14.9	H	

Chronology of lab results

### Clinical Detail

Clinicians rely on a variety of information in order to make critical decisions and they need to access it fast. From the service list, users can quickly click-down into a broad range of clinical detail such as a comprehensive radiology report (transcribed) accompanied by an associated image.

**Radiology Detail**

Patient: Allergies (2)      Study: CHEST X-RAY

Order: 08p 10, 23k 7 95:52      Change Date: 08p 10, 23k 7 95:52

Accession: 08p 10, 23k 7 95:52      Final Date: 08p 10, 23k 7 95:52

Location: 08p 10, 23k 7 95:52      Observe Date: 08p 10, 23k 7 95:52

Principal Accession:      Priority:      Status: Initial

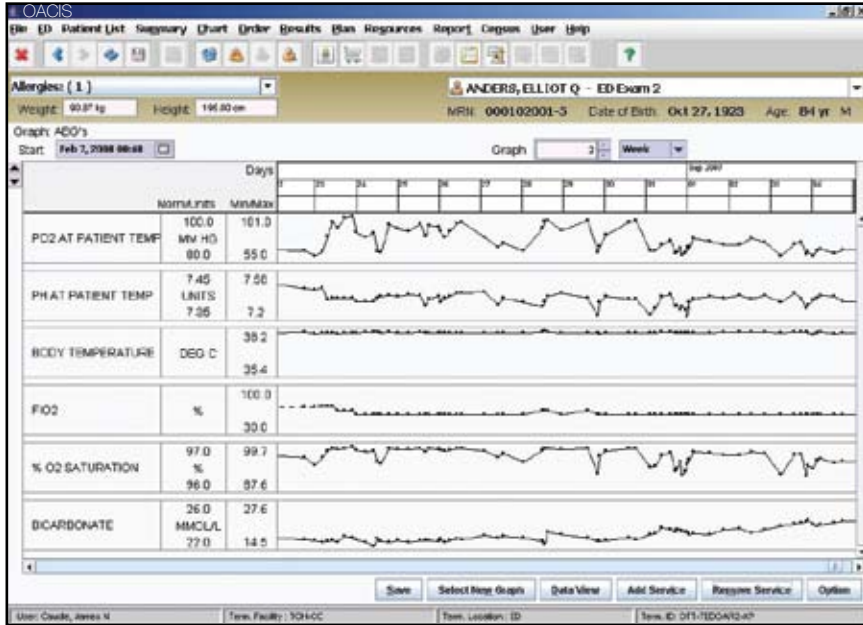
**DESCRIPTION**

Chest X-ray, no contrast filling

Detailed radiology result with image.

# Graphing/Trending

OACiS goes deep with respect to its high degree of integrated, granular detail. Our highly configurable trending capabilities provide the care team with unmatched breadth and depth of graphical views. And with OACiS, clinicians don't need to involve their IT department to create sophisticated trending views. Immediate, easy personalization is a hallmark trait of OACiS.



Graph of vital signs

# Patient Summaries

The patient summary view brings together a myriad of data and organizes it into logical, actionable information. Clinicians can drill-down into the data for a 360° view of their patient's condition, status, treatment plan, test results, and more. And, like all OACiS screens, the summary can be easily personalized by the user.

The screenshot shows a patient summary view for patient ANDERS, ELLIOT Q. Key sections include:

- Problems:**

Problem	Date of Onset	Status	Severity	D
Chronic obstructive lung disease, NOS	Feb 01, 2003 08:33	Active	MCO	Uk
Angina pectoris, NOS	Sep 30, 2007 08:36	Active	HCOH	Ex
Hypertensive disease, NOS	Sep 30, 2007 08:33	Active	MCO	Uk
- Currently Taking:**

Start Date	Status	Drug	Package
14/1/2017 22:17	Completed	USP/PPH/HT/GRCH/LOROTHAMAZOL	USP/PPH/HT/4CTZ
14/1/2017 22:18	Completed	ALBUTEROL	ALBUTEROL 90 MG
14/1/2017 22:17	Completed	MONTELUKAST SODIUM	SPHOLAR 10 MG
- Labs Resulted Past 24 Hours:**

Date/Time	Today	Description	Result/Units	Specimen	Age	RefInt	PRI	Status	Cost
Sep 04 2007 10:59		IPV250 CALCIUM						resulted	
Sep 04 2007 10:59		CA++ MEAN/STD	1.18 MMOL/L			1.14-1.29		resulted	
Sep 04 2007 10:59		CA++ AT PH 7.40 (NORMALIZED)	1.15 MMOL/L			1.14-1.29		resulted	
Sep 04 2007 10:59		ARTERIAL BLOOD GAS						resulted	
Sep 04 2007 10:59		BODY TEMPERATURE	36.6 DEG C					resulted	
Sep 04 2007 10:59		CHEM TESTS	76 MM H3			35-45		resulted	
Sep 04 2007 10:59		FIO2	40 %					resulted	
Sep 04 2007 10:59		PH AT 37 DEGREE C	7.37 UNITS			7.35-7.45		resulted	
Sep 04 2007 10:59		PCO2 AT 37 DEGREE C	37 MM H3			35-45		resulted	
Sep 04 2007 10:59		PO2 AT 37 DEGREE C	76 MM H3		L	80-100		resulted	
Sep 04 2007 10:59		PH AT PATIENT TEMP	7.38 UNITS			7.35-7.45		resulted	
Sep 04 2007 10:59		PC2 AT PATIENT TEMP	74 MM H3		L	80-100		resulted	

Patient summary view

# Clinician-driven Flexibility

## Extensive Personalization

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### Extensive “on-the-fly” Personalization

Efforts to streamline clinical efficiency must take into account individual differences in the way care providers work – together and independently. With OACiS, the array of dynamic patient lists can be standardized across the entire care team by location (ward, clinic, office) or lists can easily and extensively be personalized and stored by the individual care provider. Columns can be added, moved or deleted as required. And providers can easily add new services to the database at any time making them instantly available to clinical users.

Trending views can be easily crafted for one-time decision making or clinicians can create and save their own personalized graphs.

### Multi-lingual from Top to Bottom

With today's diverse population mix as well as varying international work forces, the ability to shift among language preferences is becoming increasingly more important. The OACiS system is delivered with easy-to-switch language settings that enable clinicians to instantly shift to the language of their choice at the point of care.

### Proven with Thousands of Clinicians

Because of its open and “interoperable platform”, as well as its highly configurable feature-set, the OACiS Clinical Viewer can be deployed within a single healthcare institution, across a multi-site (multi-system) care delivery enterprise, or even throughout an entire community or region. Today, thousands of clinicians in North America and Australia use the OACiS Clinical Viewer to make safe and effective care decisions, based upon a unified view of the patient record.

# Case-in-point

The portal aspects of the OaCiS Clinical Viewer are of great value to busy physicians, who in many cases need to be connected with their patients beyond the point of care.



“The OaCiS Clinical Viewer enables me fast and easy access to my patient records from the multiple sites where I practice, the office, my home, or even when traveling throughout the world. I merely need a secure Internet connection and I’m virtually making care decisions while thousands of miles away.”

Jeffrey Barkun, MD,  
Head of General Surgery,  
McGill University Health Centre, Montreal

## Key Benefits:

- Web-based access and data views
  - Quick deployment, easy to maintain, faster speed to value
- Unique user interface – designed by clinicians
  - Improves workflow, easy to learn
- Consolidates information views from disparate data sources
  - More accurate decisions, safer care
- Connects entire care team through streamlined views
  - Facilitates cross-facility communication, improves care quality

## Key Deliverables:

- Clinical data repository with pre-defined medical data schema
- Out-of-box patient lists, services lists, detail reports, summary views
- Flexible security and permissions subsystem
- State-of-the-art IT Utilities for DB extension, scaling, and interoperability
- Easy-to-use personalization tools for users



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