

Kentucky Health Information Exchange (KHIE)

# ePartnerViewer Cumulative Laboratory Results

User Guide

February 2023



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# **Document Information**

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## **1** Introduction

#### **Overview of Cumulative Laboratory Documents**

The Cumulative Laboratory functionality is one of the most powerful design features of the ePartnerViewer. It is an enhancement function that enables trending of similar laboratory results over a period of time. The patient must have had the same laboratory test performed at least twice. This tool offers the ability to monitor patients' progress and simplifies collecting and organizing patients' test results.

#### **Overview of Changes**

Additional features have been developed for this functionality to enhance the end-user experience and improve upon KHIE's quick and easy-to-use portal. The purpose of this guide is to provide an overview of the Cumulative Laboratory functionality changes within the **Laboratory & Pathology Tab** or the **Laboratory Portlet** and provide step-by-step instructions showcasing the new features.

Please Note: This guide assumes a baseline understanding of KHIE's web-based portal, the
 ePartnerViewer. For basic step-by-step guidance, Users can review the <u>ePartnerViewer User</u>
 <u>Guide</u>, located in the ePartnerViewer *Resources* section under *The KHIE Coach*.

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For additional information, please review the ePartnerViewer resources on the KHIE website: <a href="https://khie.ky.gov/epartner-viewer/Pages/default.aspx">https://khie.ky.gov/epartner-viewer/Pages/default.aspx</a>

## 2 Cumulative Laboratory Documents Enhancement

New functionality in the ePartnerViewer enables an easier and more efficient review of Cumulative Laboratory results within the **Laboratory & Pathology Tab** or the **Laboratory Portlet**. Laboratory result documents can now be alphabetically sorted within the *Available Documents* section.

		ALE	RT: This patient ha	s active Alerts. Please click on	the banner to	view existing Ale	erts on the patient.				
Patient Summary	Medications & Allergies	Clinical Documents	Patient Alerts	Laboratory & Pathology	Reports	Encounters	Immunizations	Uncategorized	Patient Demographics	SDoH	Notes
		LABORATORY						PATHOLOGY			
AVA     Orga     FILTER DOCUMEN     Q Search by na	ILABLE DOCUMENTS nize Documents By * TS me or title	Î ×									
Absolute lymp     Automated ba     Automated bi     Automated bi     Automated bi     Automated bi     Icumber/volu     Automated bi     Icumber/volu     Automated bi     Automated bi	hocyte count sophil % sophil count sod immature granulocyte co me) sod leukocyte count me) sod monocyte count	ount 100									



**Please Note**: The original functionality did not include alphabetical sorting of documents in the *Available Documents* section.

#### **Cumulative Laboratory Documents Overview**

This feature allows ePartnerViewer Users to view cumulative laboratory values in a table and graph. The Cumulative Laboratory feature can be accessed from the **Laboratory Portlet** or the **Laboratory & Pathology Tab**.

- 1. To review a patient's laboratory results, search for a patient by entering the patient's **First Name** and **Last Name** in the appropriate fields of the *Quick Search* section on the **myDASHBOARD** screen.
- 2. If available, enter the patient's **Date of Birth**.
- 3. Click **Search** to search for the patient.

K E   ePartnerView	er		Support 📢 Announcer	ments 🟮 🌲 Advisories 🖪 😫 SIT_TEST 44 ~
Patient Search E	lookmarked Patients	Event Notifications	Lab Data Entry -	Case Report Entry -
A Home				
Advisory: Updated Active advisory on 10/7/2022 7:58:5	3 AM			Read More   View All
		myDASHBOARD		
ICK SEARCH				Q ADVANCED SEARCH
First Name Bobby	Last Name Brady	Date Of Birth	mm/dd/yyyy	🝵 🧭 Search
BOOKMARKED PATIENTS ()		EVENT NOTIFICATIONS	5 (PAST 72 HOURS)	6
ARHJOHN, JIM		There is no data to	o be displayed	
ABRAHAM, ALEXANDERS				
CVVUVIXJDNDTL, QHONARTRFZCHQDQFHSO				
TOWNSEND, ERIC				
WAYNE, ROBERT		<b>2</b>		
> VIEW ALL BOOKMARKED PATIENTS		C REFRESH > VIEW	ALL NOTIFICATIONS	
Please Note: A search	using only the	patient's first and last r	names may retur	n multiple patient
nationt soarch result(s)				



4. The **Patient Search** screen displays the patient match results. To navigate to the **Patient Summary** screen, click **View**, located next to the appropriate patient's name.

KHIE   ePart	tnerViewer		🛎 Support 📢 Announcements 🚺 🌲 Advisories 🚺 😑 SIT_TEST 44 *
Patient Search	Bookmarked Patients	Event Notifications	Lab Data Entry - Case Report Entry -
Home > Patient search			
PATIENT :	SEARCH	1 PATI	IENT MATCH FOUND
Bobby		52 BRADY, BOBBY	Address 21363 PARIS BVLD LEXINTON KY
Last Name Brady		Sex M	40822
Sex	Unspecified     Male     Female	<b>Q</b> VIEW 0 SIMILAR RESULT	•
Date Of Birth			
mm/dd/yyyyy	節		
Age Range			
0-1	0 15 115		
SEAR	СН		
Clear	All		

**Please Note**: Depending on the search information entered by the User, patient searches may generate multiple search results. Users can click the **Plus/Minus Sign** to the right of *View Similar Result* to review or hide any similar patient search results and confirm the correct patient has been identified.

	1 PATIEN	IT MATCH FOUND	
52 years old	BRADY, BOBBY DOB 07/12/1970 Sex M	Address 21363 PARIS BVLD LEXINTON KY 40822	VIEW
<b>Q</b> VIEW 0 SIN	MILAR RESULT		+
	1 PATIEN	T MATCH FOUND	
50 years old	BRADY, BOBBY	Address 1234 TEST ST LEXINGTON KY 40137	VIEW





5. If the patient is not part of your organization's patient panel, the *Restricted Access* pop-up displays. From the dropdown menu, select the appropriate **Reason for Access**.

KÎLE   el	PartnerView	er		🖾 Support 🛛 📢 /	Announcements 🟮 🔺 Advisories 🐴 🕘 SIT_TEST 44 -
Patient Search	В	ookmarked Patients	Event Notifications	Lab Data Entry +	Case Report Entry -
🖀 Home 💙 Patient sea	rch				
PAT	IENT SEARCH		[1] PAT	TENT MATCH FOUN	ID
First Name		RESTRICTED AC	CESS	×	
Bobby Last Name Brady		Our records indicate the you still want to proce all accesses are logged	hat this patient is not part of your organization's patient n ed? If yes, please provide a reason for accessing this patie I by KHIE and reported to the appropriate resource.	otification panel. Do nt record. Note that	BVLD LEXINTON KY VIEW
Sex	Unspecified     Male     Female	șelect		· •	
Date Of Birth	Oremaie	Emergency Placemen	nt		
mm/dd/yyyy		No Medicaid ID Mate	:h		
Age Range		Other			
0	0 - 115				
	SEARCH				
	Clear Ali				

• If *Other* is selected from the *Reason for Access* dropdown menu, the subsequent textbox field displays. To proceed, enter the **reason for access details** in the textbox field.

PATIENT SEARCH	RESTRICTED ACCESS ×	
First Name Bobby	Our records indicate that this patient is not part of your organization's patient notification panel. Do you still want to proceed? If yes, please provide a reason for accessing this patient record. Note that all accesses are logged by KHIE and reported to the appropriate resource.	
Last Name Brady	Other X V	21363 PARIS BVED LEXINTON KY
Sex    Unspecified   Male   Female		•
Date Of Birth mm/dd/yyyy	Characters Left : 500	
Age Range	I ACCEPT CANCEL	

6. Once the appropriate reason for access has been selected, click **I Accept**.

Patient Search	Book	marked Patients	Event Notifications	Lab Data Entry -	Case Report Entry -
A Home > Patient so	earch TIENT SEARCH		1 PA	TIENT MATCH FOUND	
First Name Bobby Last Name Brady Sex	Unspecified     Male	RESTRICTED ACCESS Our records indicate that this patier you still want to proceed? If yes, ple all accesses are logged by KHE and Reason For Access: Select	nt is not part of your organization's patient r ase provide a reason for accessing this patie reported to the appropriate resource.	× 21363 PARIS BVLD	LEXINTON KY VEW
Date Of Birth mm/dd/yyyy Age Range	0 - 115		E	ACCEPT	



7. The **Patient Summary** screen displays. Click the **Laboratory & Pathology Tab** or click the *View All Laboratory* button on the **Laboratory Portlet** to review the patient's laboratory results.

(ĤIE	ePartnerViewer			🗷 Suj	pport 📢 Announcements 🔋 🌲 Advisories 🕢 😔 SIT_TEST
Pati	ent Search	Bookmarked Patients	Event Notifications	Lab Data Entry -	Case Report Entry *
😭 Home 🖒	Patient search > BOBBY BRADY				
د	52 BRADY, BOBBY DOB 07/12/1970	Sex M	Address 21363 PAF	RIS BVLD LEXINTON KY 40822	Bookmarked View More
DATE SELE	CTION 3 months	O 6 months	9 months ® 1	2 months O Custom	₿ Retrieve
		ALERT: This patient has act	tive Alerts. Please click on the banner to v	iew existing Alerts on the patient.	
•			•		
Patient Summa	ry Medications & Allergies Clinic	al Documents Patient Alerts Labo	ratory & Pathology Reports	Encounters Immunizations Uncat	egorized Patient Demographics SDoH Note
🔮 CLINICA	L DOCUMENTS	ENCOUNTERS		ATORY	
DATE 🗸	NAME	START DATE 👻 DIAGNOSIS	COMPLETED	NAME	COMPLETED NAME
01/31/2023	IMAGE_CTSCAN_MCCH_IMG01312302	01/13/2023 STAPH FOOD POISONIN	NG 01/11/2023	SARS.COVASARS.COV.2 (COVID.19) Ag IPres	01/11/2022 Rediology Report V. Pay
01/31/2023	IMAGE_MCCH_IMG01312301	01/13/2023 Malignant neoplasm of	right fallopian tube	Plead anthrasites sourt (sumber values)	
01/23/2023	MCCH - Knee	01/13/2023 Malignant neoplasm of	right fallopian tube	Blood bemediable measurement (mass/ve	NICE NICE
01/22/2023	MCCH - Knee	01/12/2023 High hemoglobin a1c le	vel	Diood hemogroun measurement (massivo	
01/13/2023	MCCH - Visit Notification Note	01/12/2023 Encounter for other pre	eprocedural examin 09/13/2022	MCV (mean corpuscular volume) determin	
				····· (	
>	VIEW ALL CLINICAL DOCUMENTS	> VIEW ALL ENCOUNTE	RS	> VIEW ALL LABORATORY	> VIEW ALL RADIOLOGY
上 РАТНО	LOGY	L TRANSCRIBED REPORTS		regorized	
COMPLETED	NAME	COMPLETED NAME	COMPLETED	NAME	DATE 🗸 NAME
	100112	one · roma		10 one	
lease	Note: The Cum	ulative Laborator	v feature is onl	v available for Lab	oratory results.
			<b>,</b> <u> </u>	,	·

#### Sort and Filter Laboratory Documents

8. The **Laboratory** screen displays. By default, the *Available Documents* section sorts the list of documents by date with the most recent date displaying first. There are multiple methods for sorting and filtering laboratory results.

Patient Summary Medications & Allergies Clinical I	Documents	Patient Alerts	Laboratory & Patholog	y Reports	incounters	Immunizations	Uncategorized	Patient Demo	graphics	SDoH	Not
LABOR	ATORY			_			PATHOLOGY				
AVAILABLE DOCUMENTS  Organize Documents By	8	Incomplete or r The information	nissing information n displayed on this page is	based on the data p	rovided by pa	articipating facilities.	You may need to co	ntact the source f	or more info	ormation.	
RILTER DOCUMENTS     X       Q. Search by name or title     X       01/11/2023 SARS-CoV+SARS-CoV-2 (COVID-19)       Ag (Presence) in Respiratory specimen by Rapid	-	Can't find what you're looking for? A submitted report that has not been designated as a particular type of result will be included in Uncategorized data. Laboratory, Pathology, Transcription and Radiology reports may also appear here. View Uncategorized Data									
Immunoassay 11:10:00 am     99/13/2022 Blood erythrocytes count     (number/volume) 2:25:00 pm	L SA RE	RS-COV+ SPIRATO	SARS-COV-2 RY SPECIMEN	(COVID-19) I BY RAPID	AG [PI IMMU	RESENCE] I NOASSAY	IN			<b>T</b> APPLY FI	LTER
O9/13/2022 Blood hemoglobin measurement (mass/volume) 2:25:00 pm     O9/13/2022 Blood hematocrit (volume fraction) 2:25:00 pm     -	ORDERING PHY ALI JESSEE SHOWING 1 ITEMS	/SICIAN		OBSERVATION DATE 01/11/2023			TIME OBTAIN 11:10 AM	NED			
	FLAG	NAME	VALUE		UNIT		REFERENCE RANG	GES RE	SULT		
		SARS-CoV+SAR (COVID-19) Ag Respiratory sp Rapid immuno	S-CoV-2 Detecte [Presence] in ecimen by assay	d							



- 9. From the *Available Documents* section on the left side, click **Organize Documents By**.
- 10. Select *Lab* from the dropdown menu.

Patient Summary Medications & Allergies Clinica	I Documents	Patient Alerts	Laboratory & Pathology	Reports	Encounters	Immunizations	Uncategorized PATHOLOGY	Patient Demogra	aphics SDoH	Notes
AVAILABLE DOCUMENTS     Organice Documents By*     All     Date     Lab     01/11/2023 SARS-CoV+SARS-CoV-2 (COVID-19)	<b>?</b>	<ul> <li>Incomplete or missing information         The information displayed on this page is based on the data provided by participating facilities. You may need to contact the source for more information.     </li> <li>Cart find what you're looking for?         A submitted report that has not been designated as a particular type of result will be included in Uncategorized data. Laboratory, Pathology, Transcription and Radiology reports may also appear here.         Yiew Uncategorized Data     </li> </ul>								
Ag [Presence] in Respiratory specimen by Rapid immunoassay 11:10:00 am     09/13/2022 Blood erythrocytes count (number/volume) 2:25:00 pm     09/13/2022 Blood hemoglobin measurement (mass/volume) 2:25:00 pm	L SA RE	RS-COV+S	SARS-COV-2 (C RY SPECIMEN	OVID-19 BY RAPIE	)) AG [PI D IMMU	RESENCE] NOASSAY	N		T APPLY	FILTER
09/13/2022 Blood hematocrit (volume fraction) 2/25:00 pm	ORDERING PHO ALI JESSEE SHOWING 1 ITEMS	(SICIAN	OBSERVATION DATE 01/11/2023			time obtained 11:10 AM				
	FLAG	NAME SARS-CoV+SARS (COVID-19) Ag [I Respiratory spe Rapid immunoa	-CoV-2 Detected Presence] in cimen by ssay		UNIT		REFERENCE RANG	SES RESU	JLT	

11. The **Laboratory Documents List** appears with the available laboratory results sorted in alphabetical order.

P	atient Summary	Medications & Allergies	<b>Clinical Documents</b>	Patient Alerts	Laboratory & Pathology	Reports	Encounters	Immunizations	Uncategorized	Patient Demographics	SDoH	Notes
			LABORATORY						PATHOLOGY			
	🗂 AVAI	LABLE DOCUMENTS	A									
	Orgar	nize Documents By •										
	FILTER DOCUMENT	rs	_									
	Q Search by nar	me or title	×									
	<ul> <li>Absolute lymph</li> <li>Automated bas</li> </ul>	hocyte count sophil %										
	<ul> <li>Automated bas</li> <li>Automated blo (number/volum)</li> </ul>	sophil count ood immature granulocyte co ne)	ount									
	<ul> <li>Automated blo leukocytes</li> </ul>	od immature granulocytes/1	100									
	Automated blo (number/volum	ood leukocyte count ne)										
	<ul> <li>Automated blo</li> </ul>	od monocyte count										

12. To refine the list of available laboratory results, enter a **Document Name** in *Filter Documents*.



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J

13. Click a **specific laboratory document folder**, then click **View All**.

52 years old	BRADY, BOBBY DOB 07/12/1970	Sex M	Address	21363 PARIS	BVLD LEXINTON I	KY 40822		Bookmarked	View More	
DATE SELECTION	J ○ 3 mont	hs O 6 months	O 9 month	ıs	12 mon	iths	O Custom	2 Retrie	eve	
Showing Data for 02/15/2	022 to 02/14/2023									
		ALERT: This patient has	active Alerts. Please click or	the banner to	view existing Ale	rts on the patient.				
Patient Summary Me	edications & Allergies Clinic	al Documents Patient Alerts	Laboratory & Pathology	Reports	Encounters	Immunizations	Uncategorized	Patient Demographics	SDoH No	tes
	LABC	DRATORY					PATHOLOGY			
🖞 AVAILAB	LE DOCUMENTS									
Organize D	ocuments By 🕶									
FILTER DOCUMENTS										
Q wbc	×									
	> VIEW ALL									
₿ 08/15/2022 12:0	00:00 pm									
6/15/2022 12:0	00:00 pm									
₿ 05/01/2022 12:0	00:00 pm									
03/15/2022 12:0	00:00 pm									
Сору	right 2019 HealthInteractive		HealthInt	ERACTIV <u>E</u>				Version: 1.0.0		
				HIE						

**Please Note:** Upon selecting a **specific laboratory document folder** from the *Available Documents* section, the laboratory documents are sorted by date with the most recent date displaying first.

Patient Summary	Medications & Allergies	Clinical Documents	Patient Alerts	Laboratory & Pathology	Reports	Encounters	Immunizations	Uncategorized	Patient Demographics
		LABORATORY						PATHOLOGY	
C AVA	ILABLE DOCUMENTS								
	TS	×							
08/15/202	> VIEW 2 12:00:00 pm	ALL							
<ul> <li>06/15/202</li> <li>05/01/202</li> </ul>	2 12:00:00 pm 2 12:00:00 pm								
₫ 03/15/202	2 12:00:00 pm								



#### **Review Cumulative Laboratory Results**

14. The Cumulative Laboratory table displays the laboratory results. To view a graph of the Cumulative Laboratory results, click **Show Graph**.

Patient Summary Medications & Allergies	Clinical Documents	Patient Alerts	Laboratory & Pathology	Reports Encor	inters Immunizati	ons Uncategorized	Patient Demograph	ics SDoH No			
AVAILABLE DOCUMENTS     Organize Documents By •		Incomplete or n The information	incomplete or missing information The information displayed on this page is based on the data provided by participating facilities. You may need to contact the source for more information.								
FILTER DOCUMENTS		Can't find what A submitted rep also appear her View Un	you're looking for? oort that has not been designated - e. categorized Data	ncategorized data. Laborato	i data. Laboratory, Pathology, Transcription and Radiology reports n						
▶ VIEWALL         ■           ■         0s/15/2022 12:00:00 pm           ■         0s/15/2022 12:00:00 pm           ■         0s/15/2022 12:00:00 pm           ■         0s/15/2022 12:00:00 pm											
	FLAG	NAME	DATE	PERFORMER	VALUE	UNIT	REFERENCE RANGES	RESULT			
	÷	WBC	03/15/2022 12:00:00 pm	Zoe Jacob	11450	cells/mcL	4500 - 11000	Very Abnormal			
		WBC	05/01/2022 12:00:00 pm	Zoe Jacob	10700	cells/mcL	4500 - 11000	Normal			
		WBC	06/15/2022 12:00:00 pm	Zoe Jacob	9800	cells/mcL	4500 - 11000	Normal			
	Δ	WBC	08/15/2022 12:00:00 pm	Zoe Jacob	11100	cells/mcL	4500 - 11000	Abnormal			
			First	Back 1 Next	Last		Maximu	um 5 👻 entries per page			

15. The Cumulative Laboratory graph displays.

		PATHOLOGY							
AVAILABLE DOCUME Organice Documents By FILTER DOCUMENTS Q wbc	NTS	0	Incomplete or missing inf The information displaye Can't find what you're loo A submitted report that h also appear here. > View Uncategorize	formation d on this page is based on king for? has not been designated a ed Data	the data provided by par	ticipating facilities. You m	ay need to contact the sou	urce for more information y. Pathology, Transcriptior	n and Radiology reports may
<ul> <li>08/15/2022 12:00:00 pm</li> <li>06/15/2022 12:00:00 pm</li> <li>05/01/2022 12:00:00 pm</li> <li>03/15/2022 12:00:00 pm</li> </ul>	> VIEW ALL	L WBG	C					Hide Gra	ph TAPPLY FILTER
		12000 10000 10000 10000 1000 4000 2000		Phone: +1 (645) 283-6798,	+1 (782) 545-6724, +1 (645) 282-67	0887 Age: Siyean Sec. M 96, +1 (720) 345.4724, +1 (465) 28 Cumulative Lab	3-6798, +1 (782) 345 6734 DOB: 0	1121970	
9 09/15/0022 12:00:00 pm 9=00/WG 4 ITEMS									08/15/2022 12:00:00 pm
		FLAG	NAME	DATE	PERFORMER	VALUE	UNIT	REFERENCE RANGES	RESULT
		•	WBC	03/15/2022 12:00:00 pm	Zoe Jacob	11450	cells/mcL	4500 - 11000	Very Abnormal



## 3 Technical Support

#### **Toll-Free Telephone Support**

For questions and assistance regarding the ePartnerViewer, please call 1 (800) 633-6283.

#### **Email Support**

To submit questions or request support regarding the ePartnerViewer, please email <u>KHIESupport@ky.gov</u>.

