

Society of Thoracic Surgeons

Intermacs & Pedimacs
Monthly Webinar

October 30, 2024



STS National Database™
Trusted. Transformed. Real-Time.

The Intermacs Data Warehouse Team

Ryan Cantor, PhD, Chief Scientific Officer, Intermacs Data Warehouse

Brandon Singletary, PhD, Statistician III, Epidemiologist, Intermacs Data Warehouse

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Intermacros Database Webinar

- Welcome and Introductions
- STS Updates
- Epic Index Report

AGENDA



What's New?

- Data entry deadline for Q3 October 31st
- Q3 reports distributed December 31st
- This is the last webinar for 2024
- Next webinar January 29th @ 1pm central



AQO 2024

Thank you to all our amazing speakers and attendees!

The AQO Virtual Meeting Platform is open

- If you wish to view any presentation slides, handouts or case scenarios, visit the platform.
- On-demand and live sessions are available now.
- Don't forget to evaluate sessions and claim your continuing education credits. You must watch all on-demand and live content and evaluate all presentations. The deadline for claiming credit is **Friday, December 13, 2024.**



Using an Epic Index Report for INTERMACS

Bill Stewart BSN

10/30/2024

What is an Index report?

An index report will pull everything you need for your INTERMACS forms into one spot in Epic.

What will this do for me?

If you have Epic, it will make your job much easier filling out INTERMACS follow up forms.

It will save time by having everything conveniently in one place and in INTERMACS order.

This should also help increase accuracies when filling out the forms too along with saving time.

Where did this come from

Other registries that I work in have been working with Epic to create these to help make the job more efficient and accurate.

I asked Kerri Sterk, my Epic analyst, if there is and index reports for INTERMACS.

She investigated it and found there were none, but she thought she could create one.

Here's the magic of Epic

No new medications were ordered this visit.

Current Outpatient Medications

Medication	Sig
• acetaminophen (TYLENOL) 500 mg tablet	Take 1,000 mg by mouth 2 times daily as needed for Pain.
• albuterol HFA (PROVENTIL HFA, VENTOLIN HFA, PROAIR HFA) 108 (90 Base) MCG/ACT inhaler	Take 2 puffs by inhalation every 6 hours as needed for Wheezing.
• amoxicillin (AMOXIL) 500 mg capsule	TAKE 4 CAPSULES BY MOUTH AS A SINGLE DOSE 1 HOUR BEFORE PROCEDURE
• aspirin EC 81 mg enteric coated tablet	Take 81 mg by mouth nightly.
• atorvastatin (LIPITOR) 20 mg tablet	Take 20 mg by mouth daily.
• cholecalciferol (VITAMIN D3) 25 MCG (1000 UT) capsule	Take 25 mcg by mouth daily (with dinner).
• cholestyramine (QUESTRAN) 4 g packet	Take 2 packets by mouth daily as needed (constipation). Mix in water bottle and drink over 3 days
• clobetasol (TEMOVATE) 0.05 % ointment	Apply 1 Application topically daily as needed (rash).
• Coenzyme Q10 (,COENZYME Q-10,) 200 MG CAPS	Take 200 mg by mouth daily.
• cyanocobalamin (VITAMIN B-12) 1000 MCG tablet	Take 1,000 mcg by mouth daily at 12 (noon).
• cyclobenzaprine (FLEXERIL) 10 MG tablet	take 10 mg by mouth At bedtime.
• digoxin (LANOXIN) 125 mcg tablet	Take 1 tablet by mouth daily.
• docusate (COLACE) 100 mg capsule	Take 100 mg by mouth nightly as needed for Constipation.
• famciclovir (FAMVIR) 125 MG tablet	Take 125 mg by mouth nightly.
• ferrous sulfate 325 (65 Fe) MG delayed release tablet	Take 325 mg by mouth daily (with dinner).

• insulin glargine (LANTUS SOLOSTAR) 100 UNIT/ML pen-injector	Inject 16 Units under the skin daily.
• ipratropium (ATROVENT) 0.03 % nasal spray	Administer 2 sprays into each nostril 2 times daily.
• loperamide (IMODIUM A-D) 2 MG tablet	Take 2 mg by mouth 4 times daily as needed for Diarrhea.
• magnesium oxide (MAG-OX) 400 mg tablet	Take 400 mg by mouth daily (with dinner).
• Multiple Vitamins-Minerals (CENTRUM SILVER 50+ WOMEN) TABS tablet	Take 1 tablet by mouth daily at 12 (noon).
• nystatin (MYCOSTATIN) powder	Apply 1 Application topically 2 times daily as needed (rash). Apply to reddened areas.
• omeprazole (PRILOSEC) 20 mg delayed release capsule	Take 20 mg by mouth 2 times daily.
• pregabalin (LYRICA) 75 mg capsule	TAKE 1 CAPSULE BY MOUTH AT BEDTIME FOR 1 WEEK, THEN 1 CAP IN THE MORNING AND 1 CAP AT BEDTIME FOR 1 WEEK, THEN 1 CAP IN THE MORNING AND 2 CA
• sacubitril-valsartan (ENTRESTO) 24-26 mg TABS	Take 2 tablets by mouth 2 times daily.
• semaglutide (OZEMPIC, 0.25 OR 0.5 MG/DOSE,) 2 MG/3ML pen-injector	Inject 0.5 mg under the skin per week.
• spironolactone (ALDACTONE) 25 mg tablet	Take 0.5 tablets by mouth daily.
• torsemide (DEMADEX) 20 mg tablet	20 mg (1 tab) daily as needed for weight gain of 5 lbs.
• traZODone (DESYREL) 50 mg tablet	Take 1 tablet by mouth nightly.
• warfarin (COUMADIN) 1 mg tablet	4mg Monday, Wednesday, Friday, 3mg all other days or as directed by VAD clinic

Now, Kerri can get Epic to include only the medications that INTERMACS is looking for and in INTERMACS order.

Thus, greatly reducing that long list of medications.

Medications [↗](#)

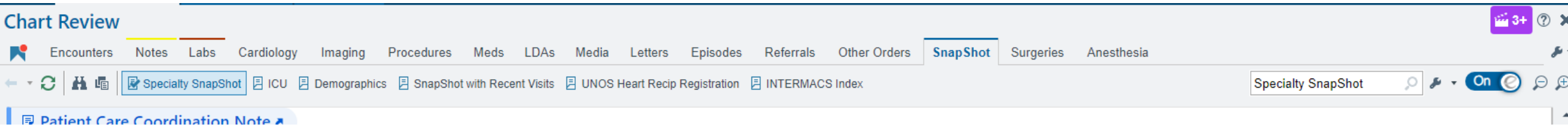
	3/20/2024 00:00	3/11/2024	2/21/2024
Medications			
Carvedilol	🏠 3.125 mg BID WC PO		
Spirololactone	🏠 12.5 mg Daily PO	🏠 12.5 mg Daily PO	🏠 Admitted: Feb 21 - Feb 21, 2024 12.5 mg Daily PO
Warfarin Sodium	🏠 4mg Monday, Wednesday, Friday, 3mg all other days or as directed by VAD clinic (1 mg TABS)	🏠 4mg Monday, Wednesday, Friday, 3mg all other days or as directed by VAD clinic (1 mg TABS)	
Aspirin	💊 81 mg Nightly PO (81 mg TBEC)	💊 81 mg Nightly PO (81 mg TBEC)	💊 Admitted: Feb 21 - Feb 21, 2024 81 mg Nightly PO (81 mg TBEC)
Sacubitril-Valsartan			
Sacubitril-Valsartan	🏠 2 tablet BID PO	🏠 2 tablet BID PO	🏠 Admitted: Feb 21 - Feb 21, 2024 2 tablet BID PO
Digoxin	🏠 125 mcg Daily PO	🏠 125 mcg Daily PO	🏠 Admitted: Feb 21 - Feb 21, 2024 125 mcg Daily PO
Torse mide			
Torse mide	🏠 20 mg (1 tab) daily as needed for weight gain of 5 lbs. (20 mg TABS)	🏠 20 mg (1 tab) daily as needed for weight gain of 5 lbs. (20 mg TABS)	🏠 Admitted: Feb 21 - Feb 21, 2024 20 mg (1 tab) daily as needed for weight gain of 5 lbs. (20 mg TABS)

That looks really nice and helpful.

Kerri has been working at building out everything I need, and it is almost all there.

Now, I will show you how this all looks in Epic. Sorry, this is only a PDF file, but it gives the basic idea.

How to find this report in Epic



Really, the only section missing is the comorbidity section.

Kerri is working on an Epic Smartform that I can fill out the comorbidities and then that will show up in the Index report.

If there are changes such as A1c goes high, and I need to change that to a yes, I can do that. Or, if they stop smoking, I can change that too.

This way you will be able to fly through that section.

Here is a better view of what the labs will look like

Follow-up Labs

	Latest Ref Rng & Units	10/28/2024 09:37	10/21/2024 11:36	10/14/2024 11:05	10/7/2024 10:24	9/30/2024 08:44	9/23/2024 13:17	9/16/2024 13:38	9/9/2024 14:16	9/3/2024 13:33	8/26/2024 08:30	8/19/2024 08:04	8/12/2024 11:22	8/5/2024 14:03	8/1/2024 08:59	7/29/2024 08:50	7/22/2024 08:45	
Follow-up Labs																		
Sodium Level	134 - 146 mmol/L		137			140				141						142		140
Potassium Level	3.4 - 5.0 mmol/L		4.2			4.4				4.1						4.9		5.1 ^
Blood Urea Nitrogen	8 - 20 mg/dL		15			8				15						12		13
Creatinine	0.60 - 1.30 mg/dL		1.12			1.17				1.16						1.19		1.20
Alanine Aminotransferase (ALT)	0 - 50 U/L		11			11				11						9		14
Aspartate Aminotransferase (AST)	0 - 50 U/L		17			16				15						16		16
LDH	100 - 220 U/L		202 Reagent manufacturer...			189 Reagent manufacturer...				192 Reagent manufacturer...						203 Reagent manufacturer...		235 ^ Reagent manufacturer...
Bilirubin Total	0.2 - 1.0 mg/dL		0.7			0.4				0.3						0.5		0.4
Albumin Level	3.5 - 5.2 g/dL		4.5			4.3				4.0						4.4		4.3
White Blood Cell	4.0 - 10.8 x10 ⁹ /L		8.9			7.6				8.2						7.9		11.0 ^
Hemoglobin	14.0 - 18.0 g/dL		16.5			17.0				15.7						16.9		17.4
Platelet	140 - 400 x10 ⁹ /L		228			227				225						215		216
INR	0.9 - 1.2	2.7 ^ 2.0 to 3.0 therapeut...	2.1 ^ 2.0 to 3.0 therapeut...	1.9 ^ 2.0 to 3.0 therapeut...	2.9 ^ 2.0 to 3.0 therapeut...	3.6 ^ 2.0 to 3.0 therapeut...	2.5 ^ 2.0 to 3.0 therapeut...	3.6 ^ 2.0 to 3.0 therapeut...	2.7 ^ 2.0 to 3.0 therapeut...	3.4 ^ 2.0 to 3.0 therapeut...	2.9 ^ 2.0 to 3.0 therapeut...	2.3 ^ 2.0 to 3.0 therapeut...	2.0 !	1.9 ^ 2.0 to 3.0 therapeut...		2.1 ^ 2.0 to 3.0 therapeut...	2.5 ^ 2.0 to 3.0 therapeut...	
Plasma Hemoglobin Level	<=10 mg/dL		12 ^ This test was develo...			10 This test was develo...				23 ^ This test was develo...						16 ^ This test was develo...		19 ^ This test was develo...

Open Synopsis (more data may exist)

My Sticky Note ★ 📌 ↶ ▾ ⬆ ✕

Previous f/u 5/9/24
+ neuro

Last updated: Today

Limitations

There are some problems with this.

- **The filters that are available can be difficult to zero on the timeline you are looking for.**
- **That will be an issue if it takes a while to do your follow up, as you must look past all the current information**
- **If INTERMACS makes changes, how quickly can this be implemented into the Index report**

What does this mean for you?

- Well, if you have Epic, it means a lot of the hard work is already done for your Epic analyst.
- Epic has a community library where health systems share their work.
- Your analyst can find Kerri's work here to duplicate.
- Corewell Health only uploads to the library twice a year with the next one in December, so you will have to wait just a little bit for this to be there.



All Content ▼

Search

Filter by organization ▼

Filter by tag ▼

Community Library

The Community Library is Epic's tool for sharing community-created content. Currently, 504 organizations are sharing their content. Use the filters above to browse what's available, and search to find exactly what you're looking for.

[Learn more](#) about using the Community Library effectively.

Enhancement Ideas

What improvements would you most like to see to the Community Library? We're always making updates and ideas for anything from small interface improvements to completely new features are always appreciated. Use the feedback link below to contact the Community Library team.

[Send feedback to Epic about the Community Library](#)



Most recent updates

[Tufts Medicine \(09/27/2024\)](#)

[ACT Health \(09/13/2024\)](#)

[Hospital for Special Surgery \(09/03/2024\)](#)

[Garden Plot Primary Care \(08/12/2024\)](#)

[University Hospitals Cleveland \(08/09/2024\)](#)

Your organization's updates

[Corewell Health \(07/17/2024\)](#)

Epic Foundation System™

Learn more about the Epic Community's content in the Foundation System.

See which of your Order Sets, Flowsheets, Clinical Programs and workflows form the bricks of the Foundation System.

Our Mission

**To improve
health, instill
humanity,
inspire hope.**

Our Vision

Create a
future where
health is
**simple,
affordable,
exceptional
& equitable.**

Thank you.

Bill Stewart

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Resources

- <https://intermacs.kirso.net/intermacs-documents/> (All Things Intermacs and Pedimacs, Database User Guides, Data Collection Forms, QoL Surveys, FAQs, V6.0 Training Video)
- intermacs@kirso-admin.net (Password and Login)
- reports@kirso-admin.net (Reporting Questions)



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Open Discussion



Please use the Q&A Function.



We will answer as many questions as possible.



We encourage your feedback and want to hear from you!

STS National Database™

Trusted. Transformed. Real-Time.

THANK YOU FOR JOINING!

