

30 let sametu, 15 let AKUTNĚ.CZ a v něčem stále na začátku...

Jan Beneš

KARIM LFP UK a FN Plzeň

Simulační centrum SIMPL LFP UK

Biomedicínské centrum LFP UK




**Univerzita
Karlova**



LÉKAŘSKÁ FAKULTA
V PLZNI
Univerzita Karlova



BIOMEDICÍNSKÉ
CENTRUM



KONFLIKT ZÁJMŮ

Cílem této přednášky není kverulovat...

... ale ani nasazovat růžové brýle

1989...





...2023/4

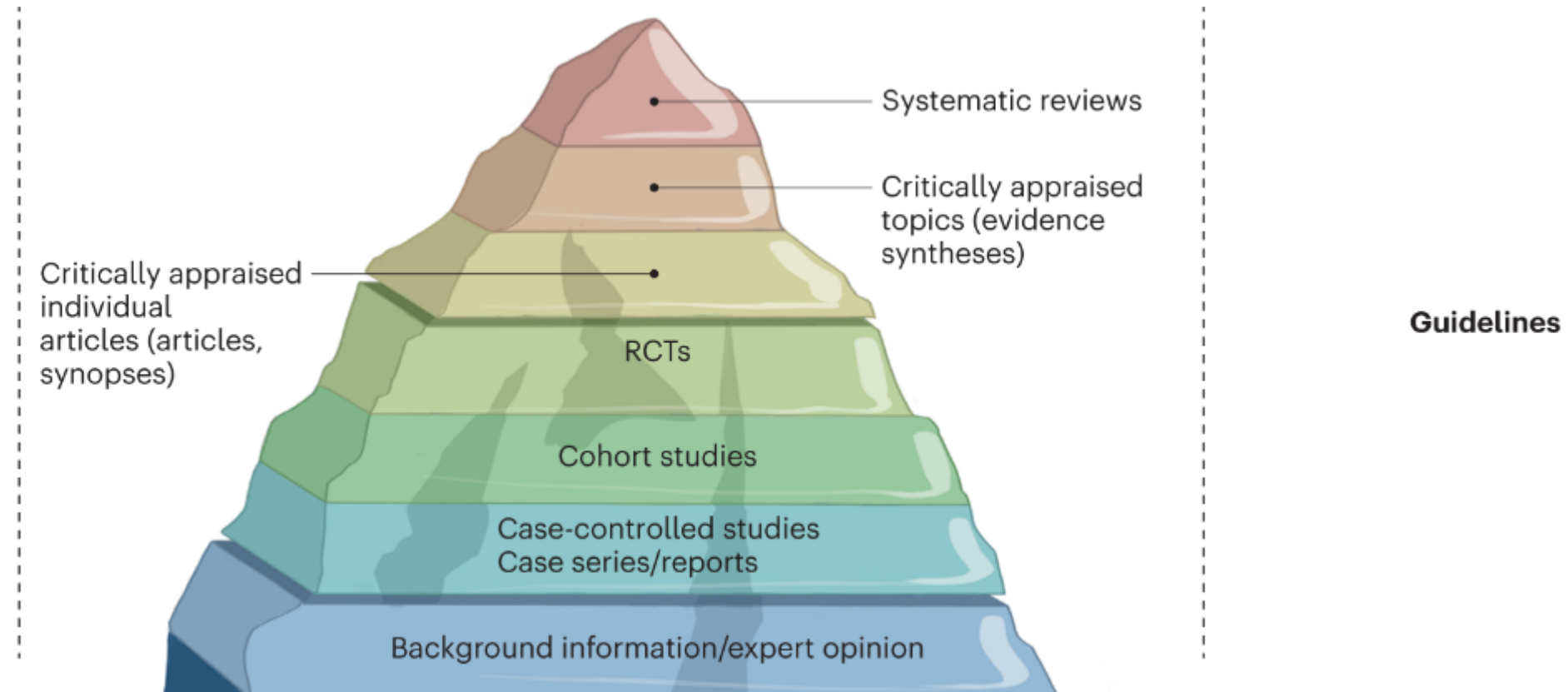


JENŽE..



Evidence based medicine: what it is and what it isn't

It's about integrating individual clinical expertise and the best external evidence



KDYŽ „EBM“ ZNAMENALA „EMINENCE BASED MEDICINE“

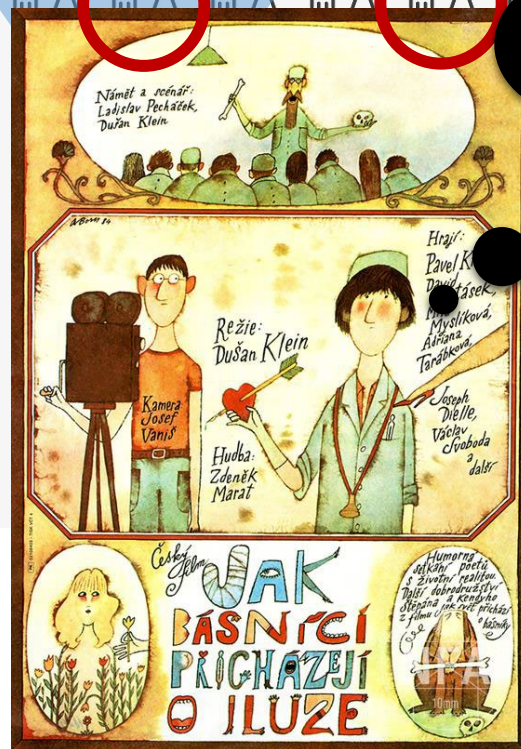


KAŽDÝ MYSLÍ TROCHU JINAK
KAŽDÝ UČÍ TROCHU JINAK
KAŽDÝ LÉČÍ TROCHU JINAK



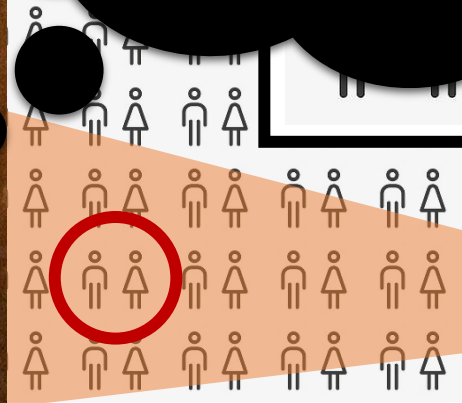
STUDENTI

SE UČÍ, KTERÝ Z NICH CHCE CO...
CÍL JE BÝT MODRÝ/ŠEDIVÝ/ORANŽOVÝ



ORANŽOVĚ PODTRŽENÉ JE
TO, CO CHCE PROFESORKA.
MODŘE, CO CHCE DOCENT
A ŠEDIVĚ, CO CHTĚJ VŠICHNI
OSTATNÍ...

STUDENTI
MAJÍ ŠTĚSTÍ NEBO SMŮLU...



prof. ORANŽOVÁ



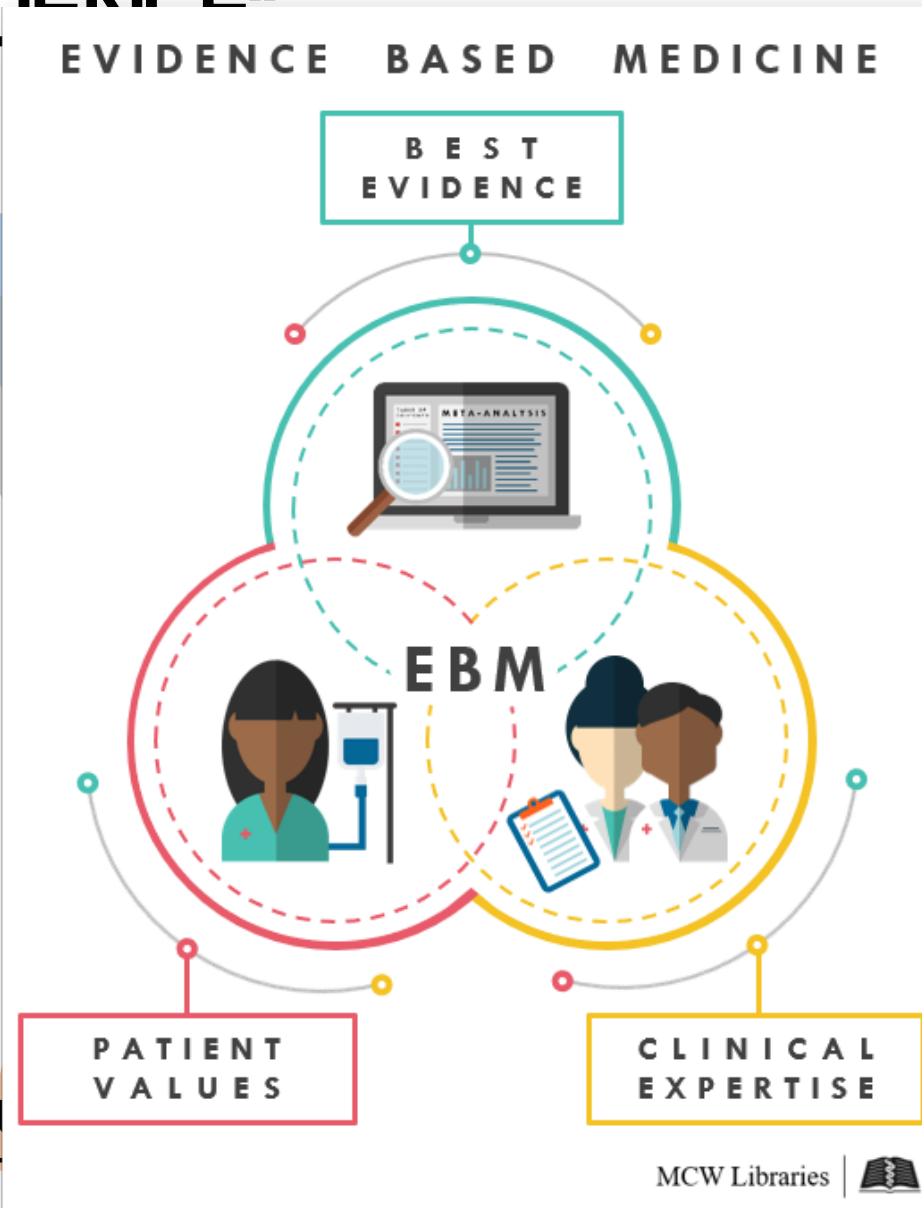
„E“ jako „EVIDENCE“



EXPERTI GENERUJÍ DŮKAZY
TVOŘÍ SPOLEČNÁ DOPORUČENÍ
HLÍDAJÍ JEJICH NAPLNĚNÍ



SE UČÍ STANDARDIZOVANÝ POSTUP
CÍL/MOTIVACE JE BÝT UP-TO-DATE



 **PRO PACIENTY**
EXISTUJE STANDARD...



NA KTERÉM Z TĚCH „E“ PRACUJETE ?



doc.MODRÝ



prim.ŠEDIVÝ



prof.ĎRANŽOVÁ

JE TO
DEMOKRATICKÉ,
VŠICHNI
SE MUSÍ POŘÁD
VZDĚLÁVAT A BÝT
UP-TO-DATE...



V TĚHLE SITUACI BYCHOM MĚLI...

DOPORUČENÍ ŘÍKAJÍ TOHLE,
ALE PODLE MÉ ZKUŠENOSTI MŮŽE BÝT
V TOMTO PŘÍPADĚ LEPŠÍ...

PACIENT BY SI PŘÁL ..., ALE TO NENÍ
REÁLNÉ PODLE VŠEHO, CO VÍME.
MŮŽEME MU ALE POSKYTNOUT
ALESPOŇ TOTO...





6 let (věk 24)



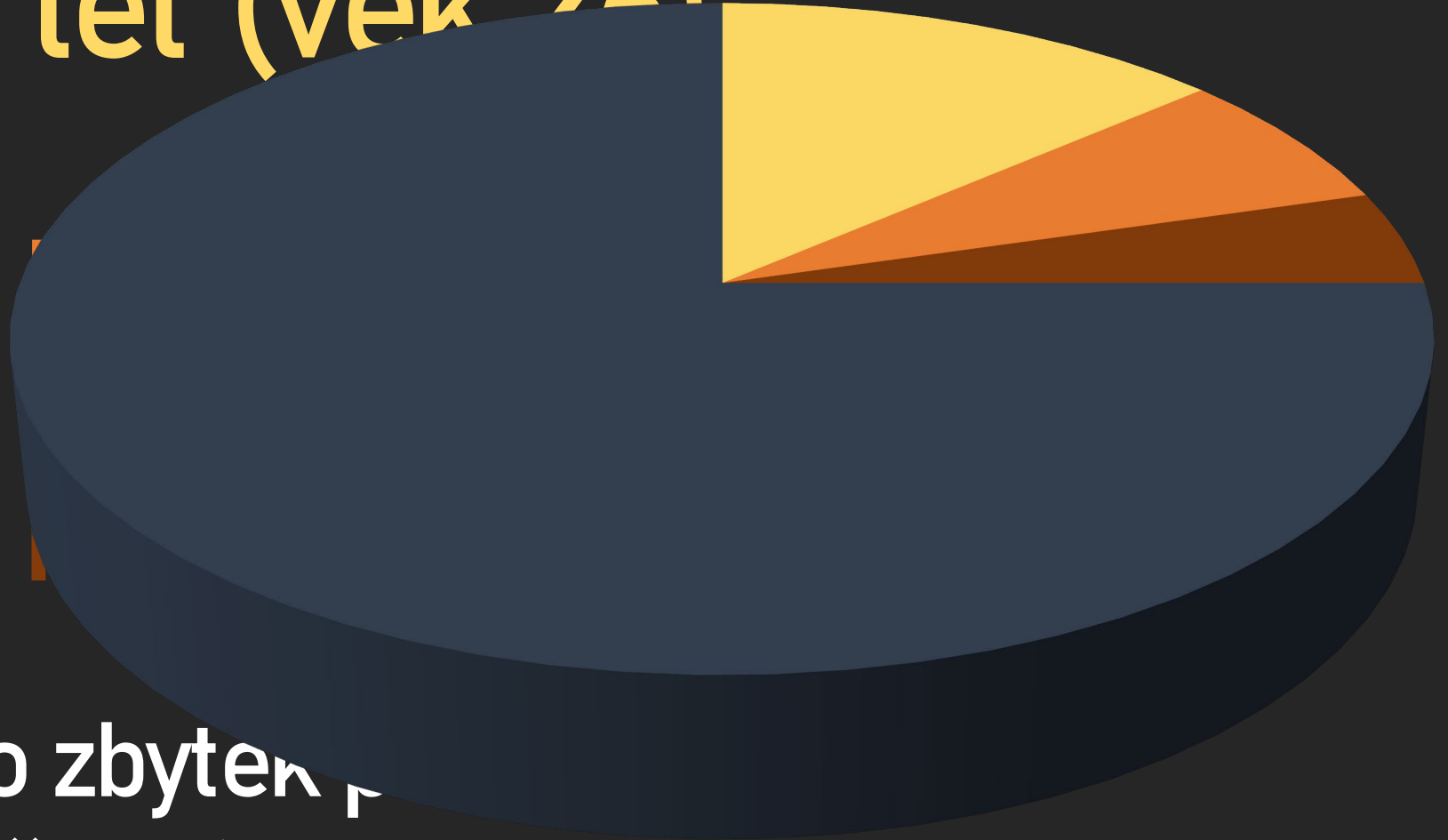
3



2



Po zbytek p
(věk 65)



1989 (+/ 2roky) ...

- Propofol (1989), Sufentanil (1984), Midazolam (1985)
- Zidovudine na léčbu AIDS
- Aspirin pro léčbu AIM
- První transplantace srdce-plíce
- 1. hybridní monoklonální protilátka
- Sevo/Desfluran, Remifentanil, Dexmedetomidin, Tapentadol, Levobupivacain/Ropivacain, Viagra
- Protektivní ventilace, Analýza tepové křivky, Trombelastometrie a ECMO
- Human genome project
- Cochrane centrum
- Identifikace BRCA, CRISPR a H.pylori, Takotsubo KMP, brugada sy.
- Bionické končetiny a transplantace, Umělé srdce



**THE IMPORTANT
THING IS TO NEVER
STOP QUESTIONING.**

@THECLASSYPEOPLE

- ALBERT EINSTEIN

Sevo/Desfluran, Remifentanil,
Dexmedetomidin, Tapentadol,
Levobupri/Ropivacain, Viagra

Protektivní ventilace, Analýza tepové
křivky, Trombelastometrie a ECMO

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Identifikace BRCA, CRISPR a H.pylori,
Takotsubo KMP, brugada sy.

Bionické končetiny a transplantace,
Umělé srdce

PREVENTING BURNOUT IN YOUR PRACTICE

Make your self a priority



1 IMPROVE WORKFLOW DESIGN

One way to prevent burnout is to redesign the workflow at your practice. Figuring out how to ensure everyone is making the best use of their time requires complex thought, but it really helps!



2 USE AN EHR SYSTEM

EHRs can remove the stress & time drain associated with creating documentation the traditional way, & often can help with administrative tasks like scheduling & sending out appointment reminders.



3 DEVELOP RESILIENCE TRAINING

Offering resilience training to employees increases their emotional and cognitive strength so they are better able to adapt to the continually evolving, high-stress environment of behavioral healthcare.



4 FOCUS ON WELL-BEING

Many employees dealing with burnout feel their organization doesn't value their well-being. This belief is dangerous because it can fuel the negative feelings associated with burnout.



5 OFFER CONTINUED LEARNING

Burnout can sometimes be caused by feelings of stagnation. If professionals aren't learning something new it's easy to start feeling discouraged & give in to burnout.



6 CREATE SOCIAL EVENTS

A little social interaction can help build a team mentality that makes it harder for burnout to take root. Something as simple as a potluck is often enough to boost social connection.



5

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??? EHR/KIS !!!



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25. listopad 2023
Masarykova univerzita Brno

... sejdeme se na AKUTNĚ.CZ ...

Ale zpátky k tématu...



Opravdu byste jeli se svým novým autem do servisu, kde ustrnuli před 10..20..30 lety ???

NA KTERÉM Z TĚCH „E“ PRACUJETE ?



Anesteziologie a intenzivní medicína

Hlavní stránka | Moje... | Administrace | Vložit rukopis | Odlážit

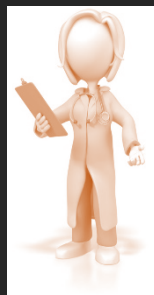
Anesteziologie a intenzivní medicína – 3/2023 | pages: 2 - 3 / 42 | www.aimjournal.cz

Anesteziologie a intenzivní medicína 2023 / 3

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Přesčasová práce lékařů, vzdělávání a „work-life balance“ – nic není zadarmo

Podle odborných lidí, kteří se zabývají lékařskou praxí, je práce v nemocnici stále více stresující a vyžaduje si větší časovou náročnost. Přesčasová práce lékařů je tedy stále více rozšířeným jevem. Přesčasová práce lékařů je tedy stále více rozšířeným jevem. Přesčasová práce lékařů je tedy stále více rozšířeným jevem.



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ČESKÁ LÉKAŘSKÁ KOMORA UDĚLUJE

DIPLOM

CELOŽIVOTNÍHO VZDĚLÁVÁNÍ LÉKAŘŮ

S PLATNOSTÍ DO:

DATUM: PŘEDSEDA OS ČESKÉ LÉKAŘSKÉ KOMORY

Webinár

Akutní středa

Těšíme se na vás 13. prosince s tématem **Žilní vstupy: Co je nového?**

[Program](#)

[Sborník](#)

[Atestační otázky](#)

304 článků za poslední rok

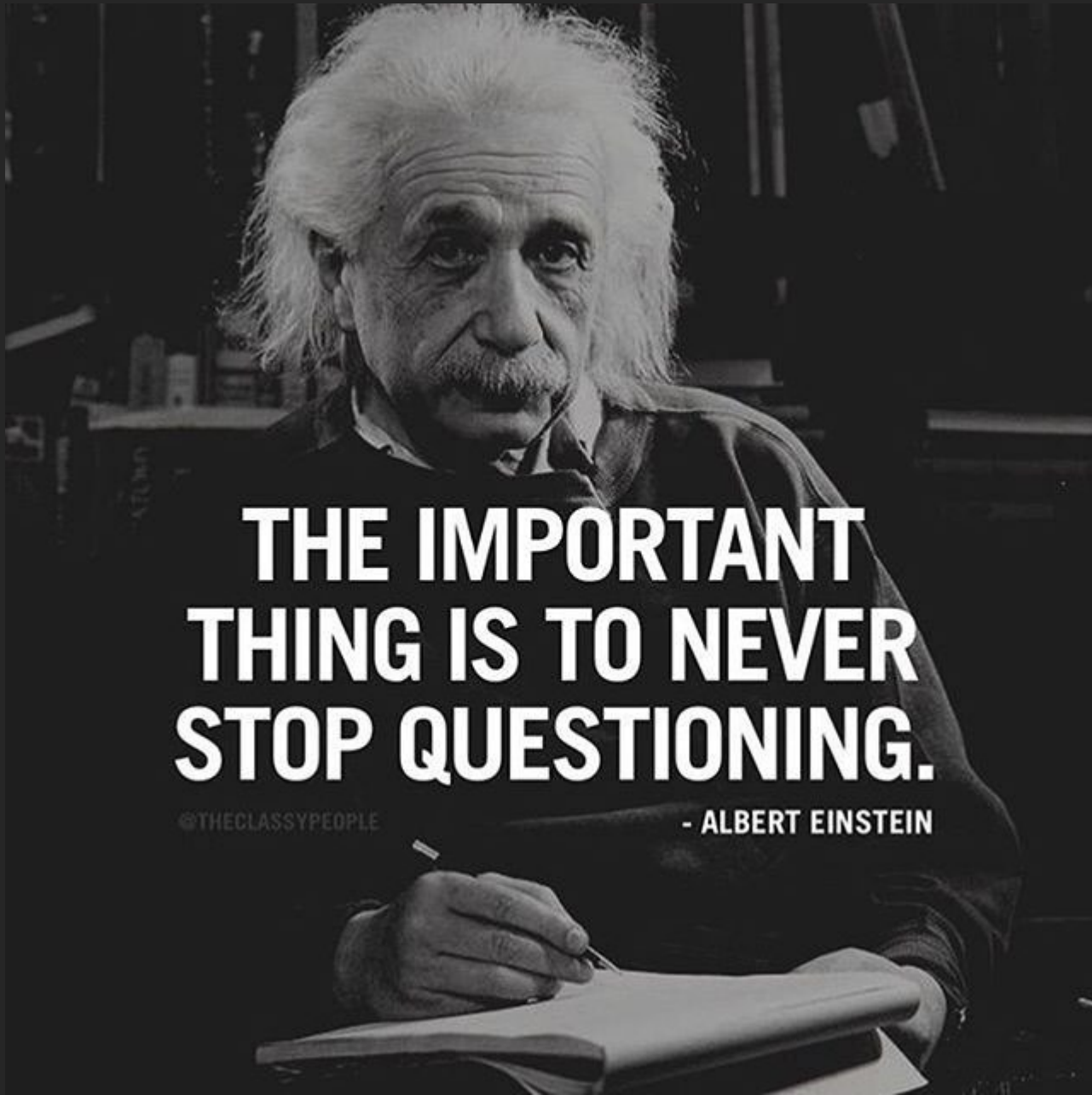
Monitoring článků

[10/2023](#) [09/2023](#) [08/2023](#)

[TOP články](#)

[Všechny články](#)

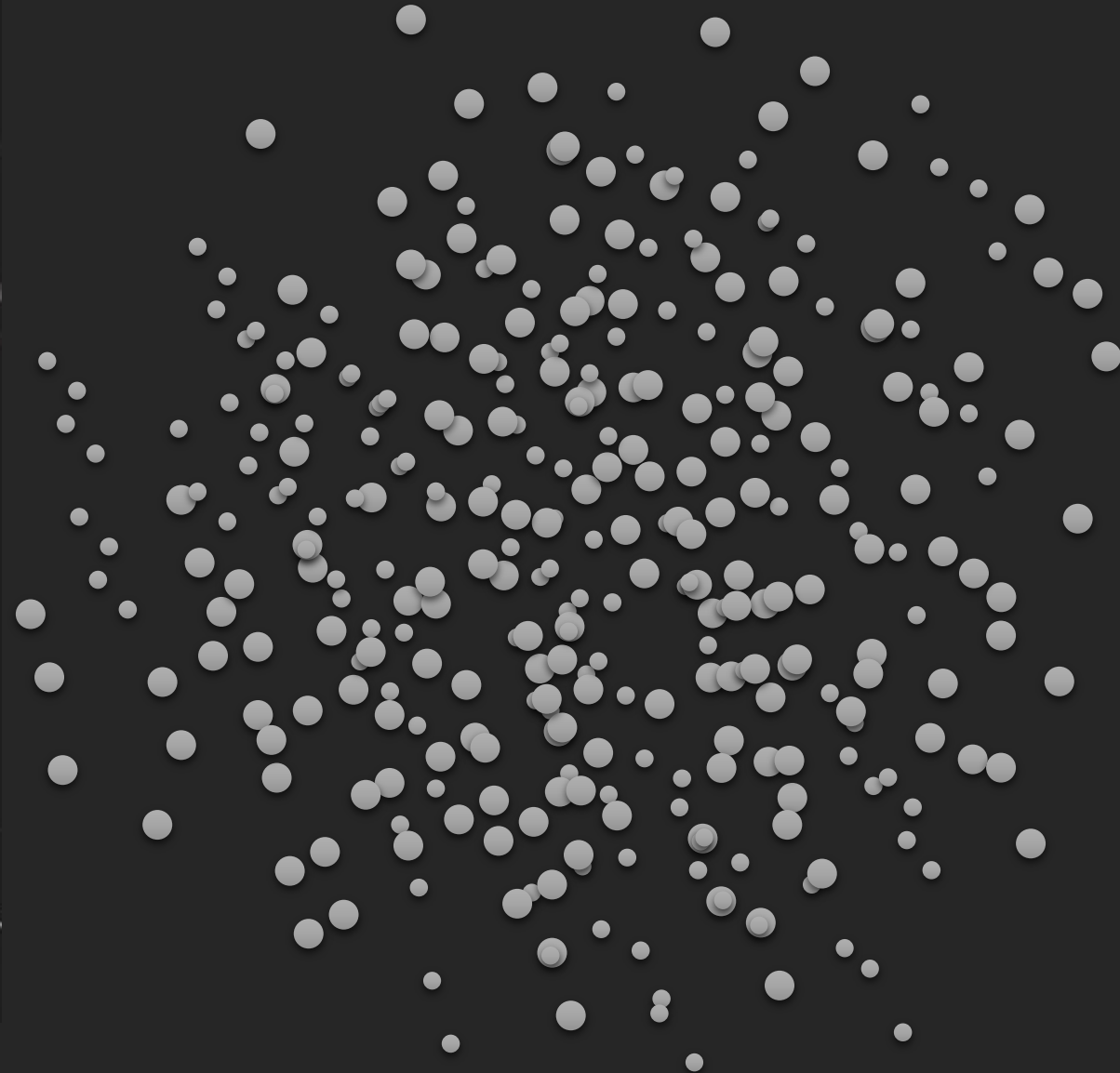




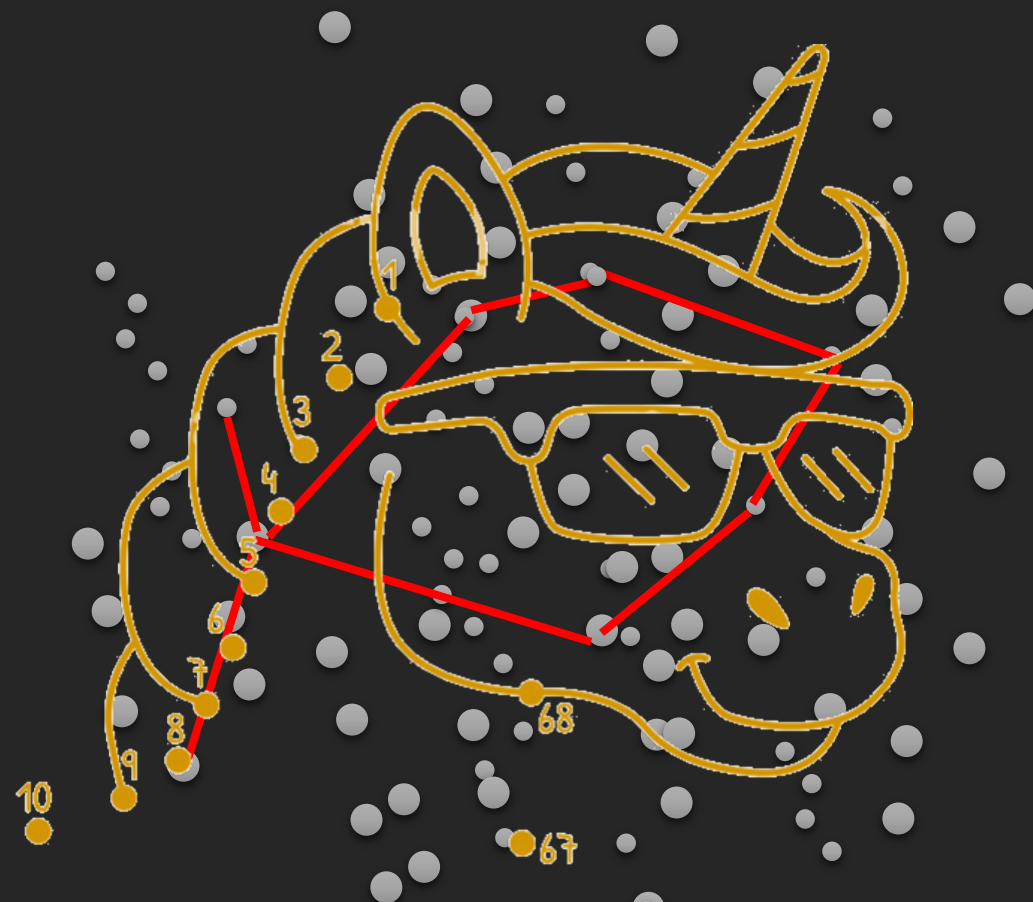
**THE IMPORTANT
THING IS TO NEVER
STOP QUESTIONING.**

@THECLASSYPEOPLE

- ALBERT EINSTEIN



- Z MNOŽSTVÍ DAT VYBRAT TU SPRÁVNOU INFORMACI
- SPRÁVNĚ JI POSKLÁDAT A SPOJIT
- A ZAVRHNOUT INTERPRETACE, KTERÉ NEDÁVAJÍ SMYSL



TO JE ALE **VĚDA**

- Z MNOŽSTVÍ DAT VYBRAT TU SPRÁVNOU INFORMACI

ANALÝZA

- SPRÁVNĚ
JI POSKLÁDAT A SPOJIT

INTERPRETACE

- A ZAVRHNOUT INTERPRETACE,
KTERÉ NEDÁVAJÍ SMYSL

KRITICKÉ MYŠLENÍ

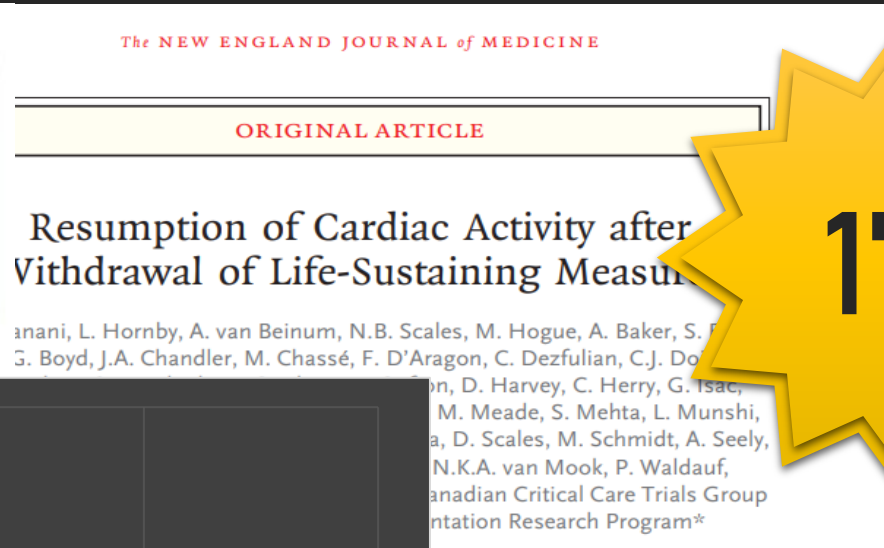
TO JE

VĚDA

**KLINICKÁ
PRAXE**

VZDĚLÁVÁNÍ

**VĚDA,
VÝZKUM
A PUBLIKACE**



JAMA
Red
Senta
Jimm
Aarn
Zoe A
Tina
Konst
Vince
Marc
Manu
Nath
Alexa

IMPACT FACTOR ČLÁNKŮ OHODNOCENÝCH KESZLEROVOU CENOU *(v době publikace)*



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one
nias in septic
Porizka¹, Robert Sachl¹, Michal Otahal¹,
Jan Horejsek¹, Lukas Volny¹,
Kopecky¹, Tomas Tencer², Jaroslav Pazout²,
Jif²



(((ANESTHESIA) OR (INTENSIVE CARE) OR (CRITICAL CARE))) AND (CZECH R

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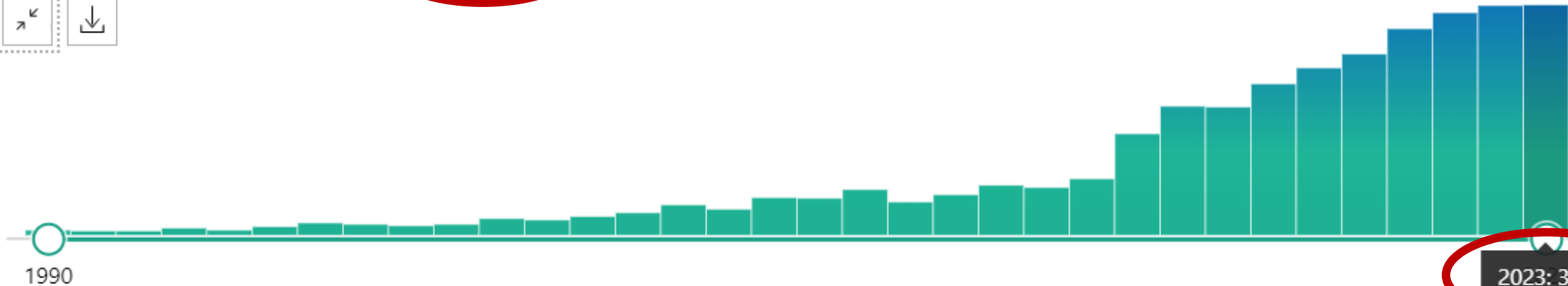
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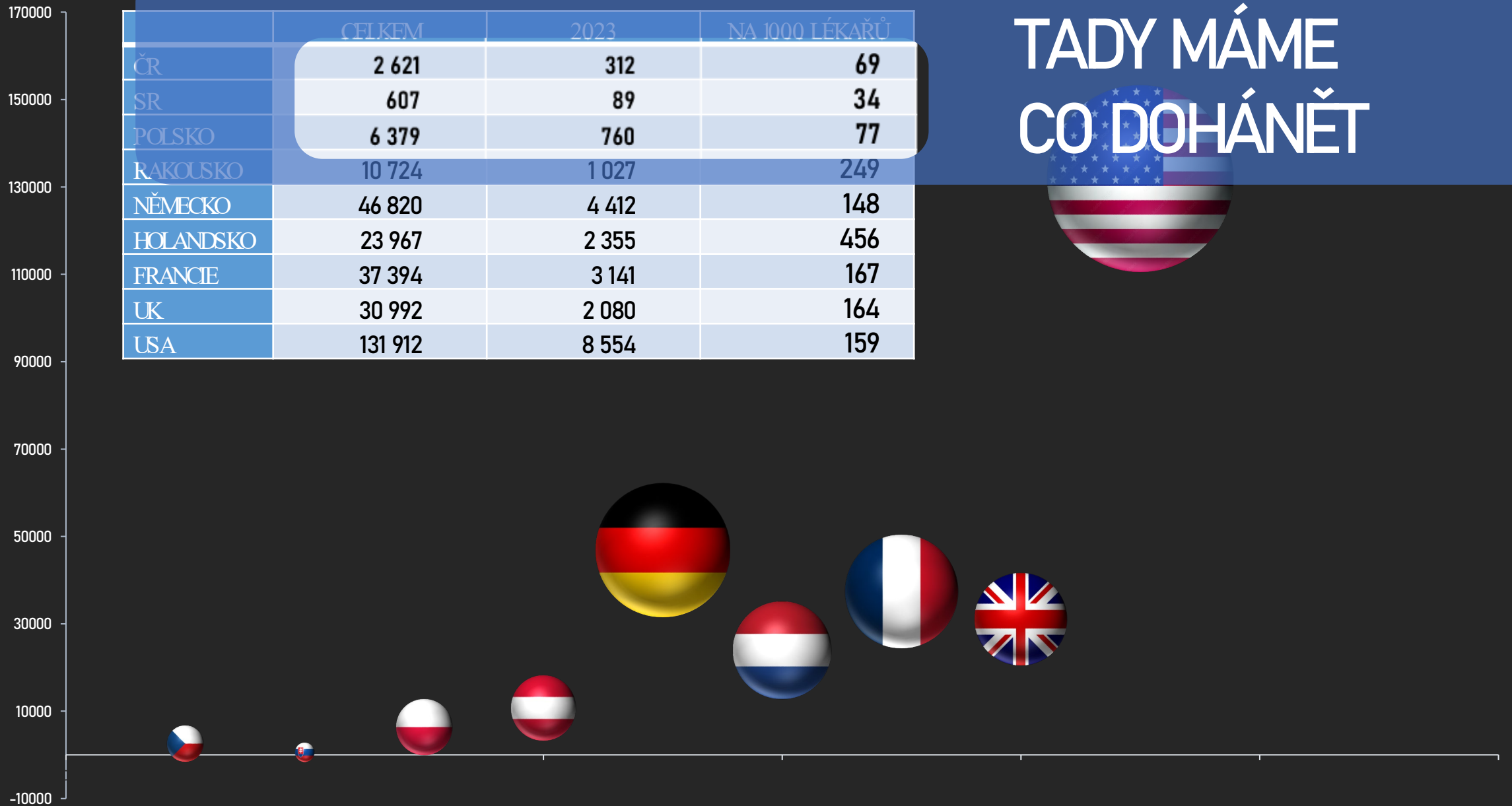
2,621 results

Page 1 of 263



TADY MÁME CO DOHÁNĚT

	CELKEM	2023	NA 1000 LÉKAŘŮ
ČR	2 621	312	69
SR	607	89	34
POLSKO	6 379	760	77
RAKOUSKO	10 724	1 027	249
NĚMECKO	46 820	4 412	148
HOLANDSKO	23 967	2 355	456
FRANCE	37 394	3 141	167
UK	30 992	2 080	164
USA	131 912	8 554	159



A NENÍ TO JEN VĚDA PRO VĚDU ???



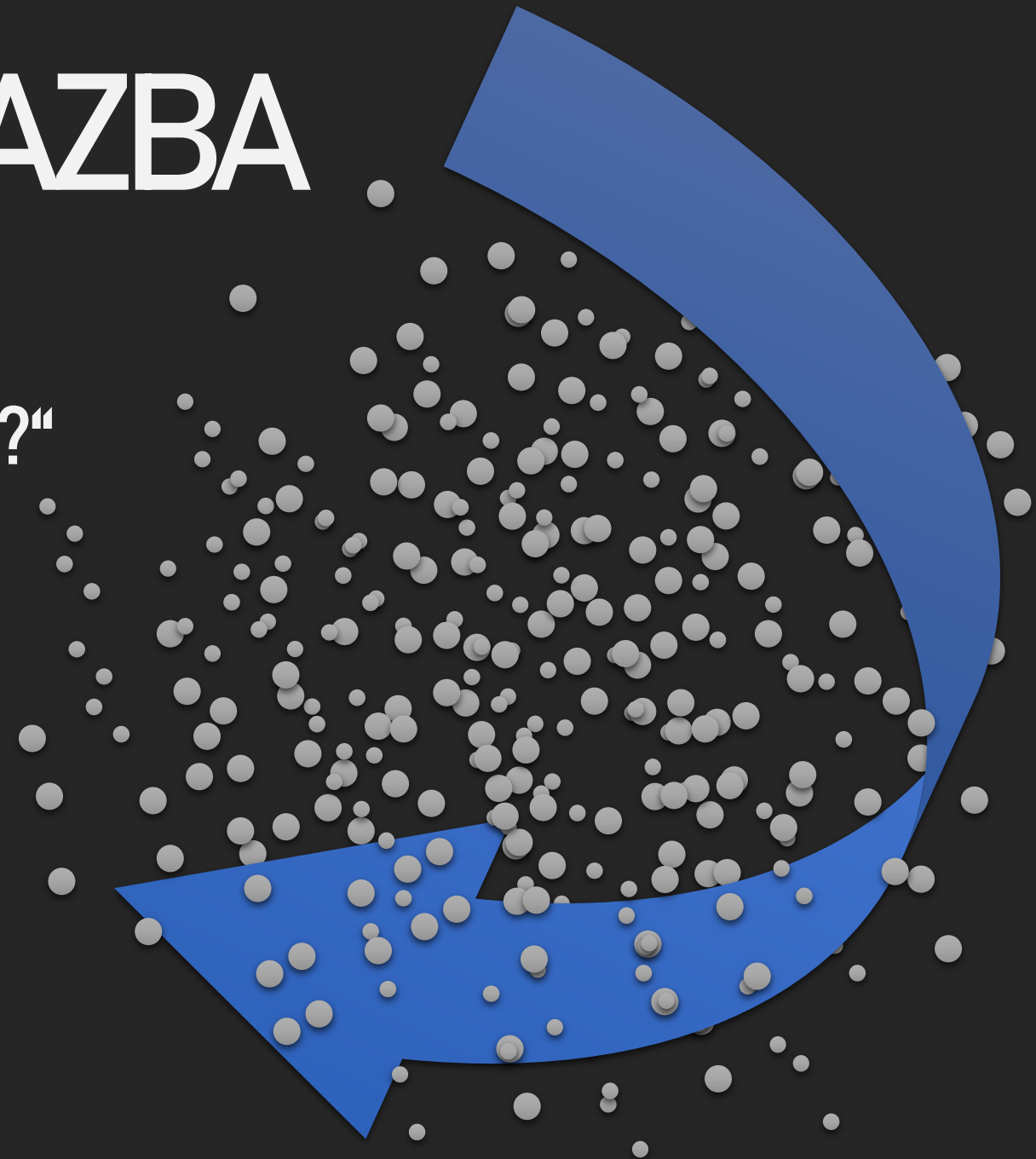
TO JE TAKY ZPĚTNÁ VAZBA

POLOŽILI JSTE SI NĚKDY OTÁZKU:

„Má smysl operovat toho člověka?“

- V tom věku
- S tou diagnózou
- V této nemocnici

„Jaké je přežití pacientů
s COVID19 v ČR?“










ZDĚTNÁ V

Patient outcomes

Patient outcomes, featured in this second chart below, looks at mortality and revision. Please click on the "How to interpret this chart" button for further information including additional notes on factors that may affect the results shown including whether the hospital is providing a full and accurate submission of first-time joint replacement and revision operation data to the NJR.

Data for August 2012 - August 2022

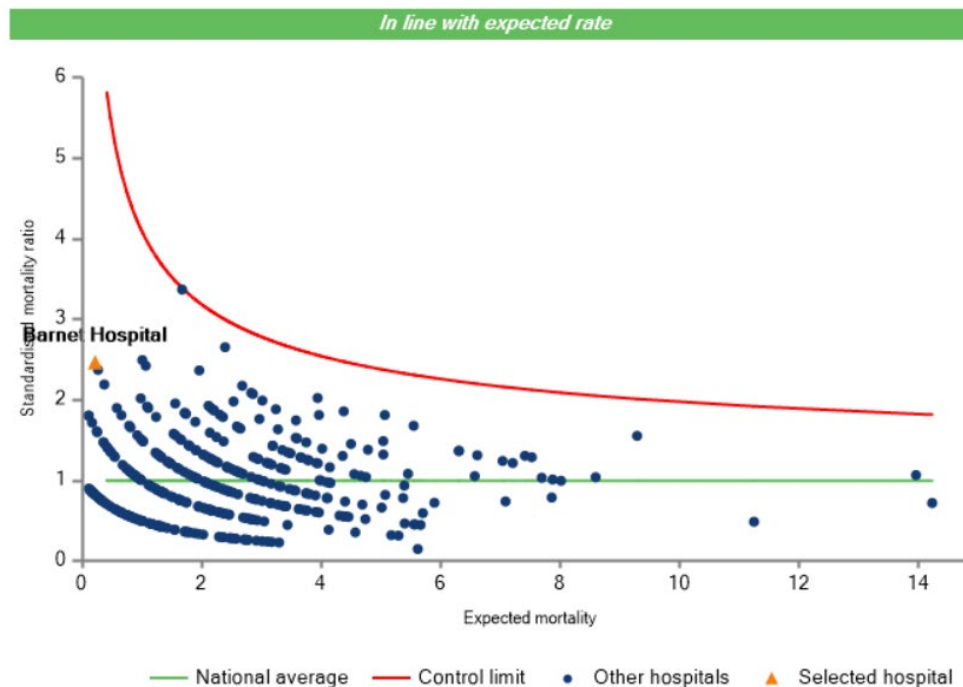
Click on the  to find out more about the quality measure and its source data

Patient Outcomes Quality Measure	This Hospital	Patient Records Analysed	This Hospital Ratio	National Ratio
 90 Day Mortality: Operations Aug17-Aug22	 As Expected	26	2.47	1.00
 Revision Rate: Operations Aug12-Aug22	 As Expected	303	0.95	1.00
 Revision Rate: Operations Aug17-Aug22	 As Expected	176	0.28	1.00



Data for August 2017 to August 2022

Hospital risk adjusted 90-day mortality



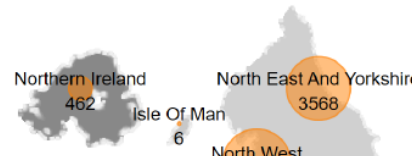
„Jaké je přežití pacientů s COVID19 v ČR?“

TO JE TAKY ZPĚ

Admitted up to 31 Aug



Admitted from 1 Sep



Total number of patients logged
26,550

Patients still in critical care
358 (1.3%)

Patients discharged from critical care
16,236 (61.2%)


Patients still in acute hospital
513 (3.2%)

Patients discharged from acute hospital
14,807 (91.2%)

Table 19. Critical care outcome, duration of critical care and organ support

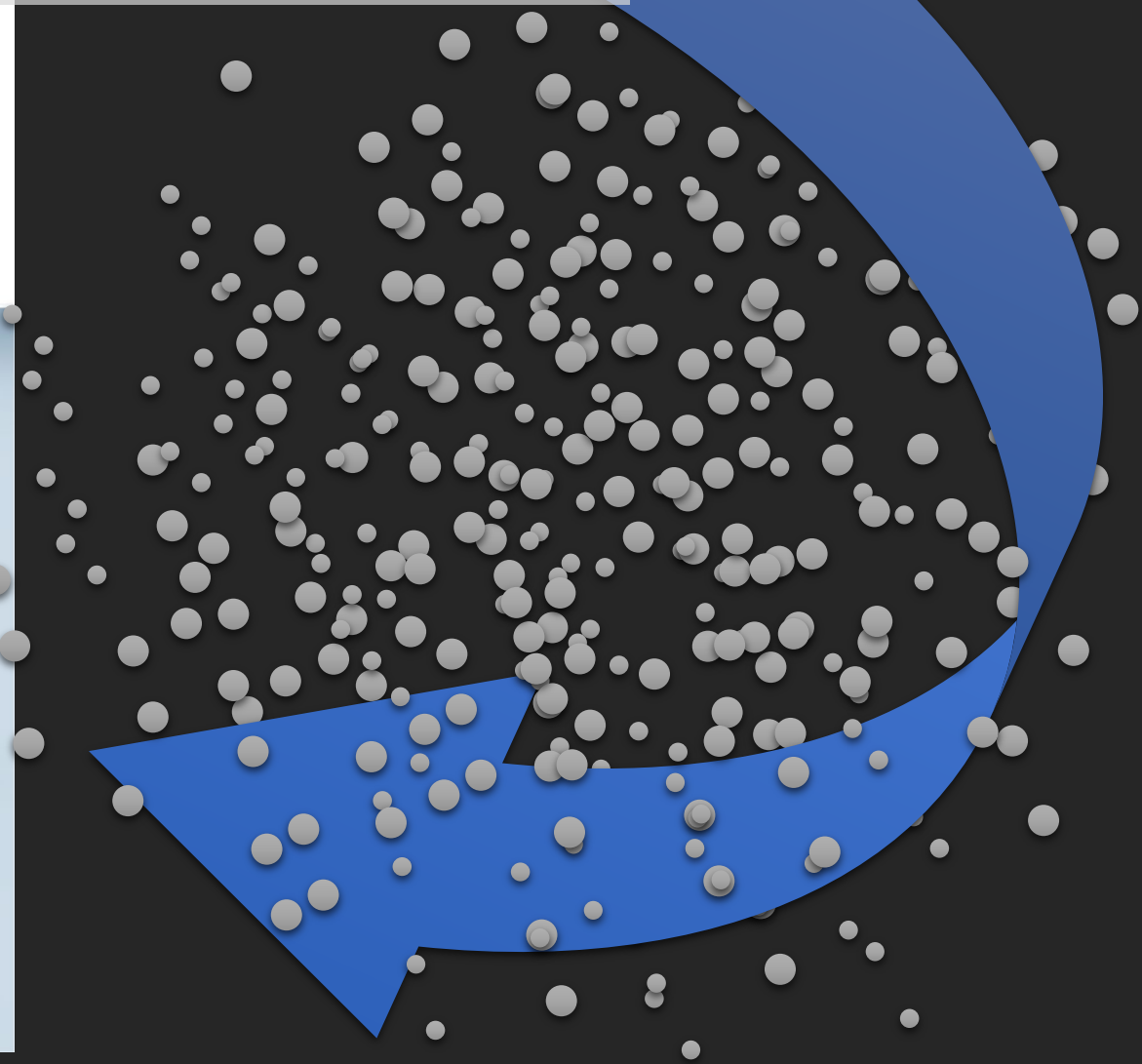
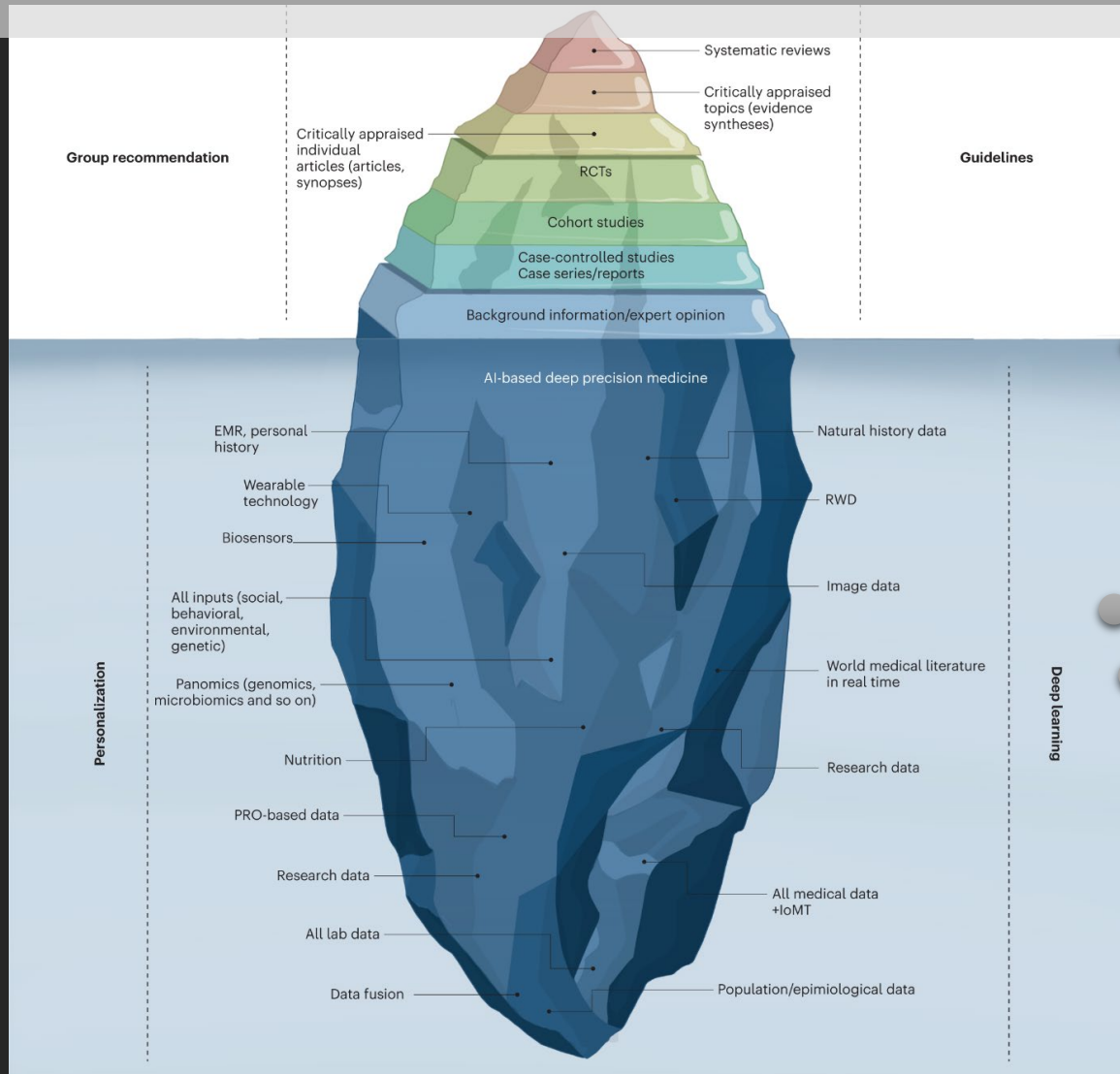
Critical care outcome	Patients with confirmed COVID-19 and outcome received	
	Admitted from 1 Sep (N=26,550)	Admitted up to 31 Aug (N=10,953)
Outcome at end of critical care, n (%)		
Discharged	16236 (61.2)	6640 (60.6)
Died	9956 (37.5)	4313 (39.4)
Last reported still in critical care	358 (1.3)	0 (0.0)
Duration of critical care (N=26,155) (N=10,947)		
Duration of critical care (days) †, median (IQR)		
Survivors	7 (4, 16)	12 (5, 28)
Non-survivors	12 (6, 19)	9 (5, 16)
Organ support (Critical Care Minimum Dataset) * (N=26,158) (N=10,952)		
Receipt of organ support, at any point, n (%)		
Advanced respiratory support	14335 (54.9)	7877 (72.0)
Basic respiratory support only	11174 (42.8)	2809 (25.7)
No respiratory support	589 (2.3)	261 (2.4)
Advanced cardiovascular support	6014 (23.0)	3366 (30.7)
Basic cardiovascular support only	18832 (72.2)	7101 (64.9)
No cardiovascular support	1252 (4.8)	480 (4.4)
Renal support	4296 (16.5)	2929 (26.8)

„Jaké je p

A close-up photograph of a woman with long, wavy blonde hair. She is looking slightly to her right with a surprised or excited expression, her mouth slightly open and her right hand held up to her lips. The background is a solid, bright pink color.

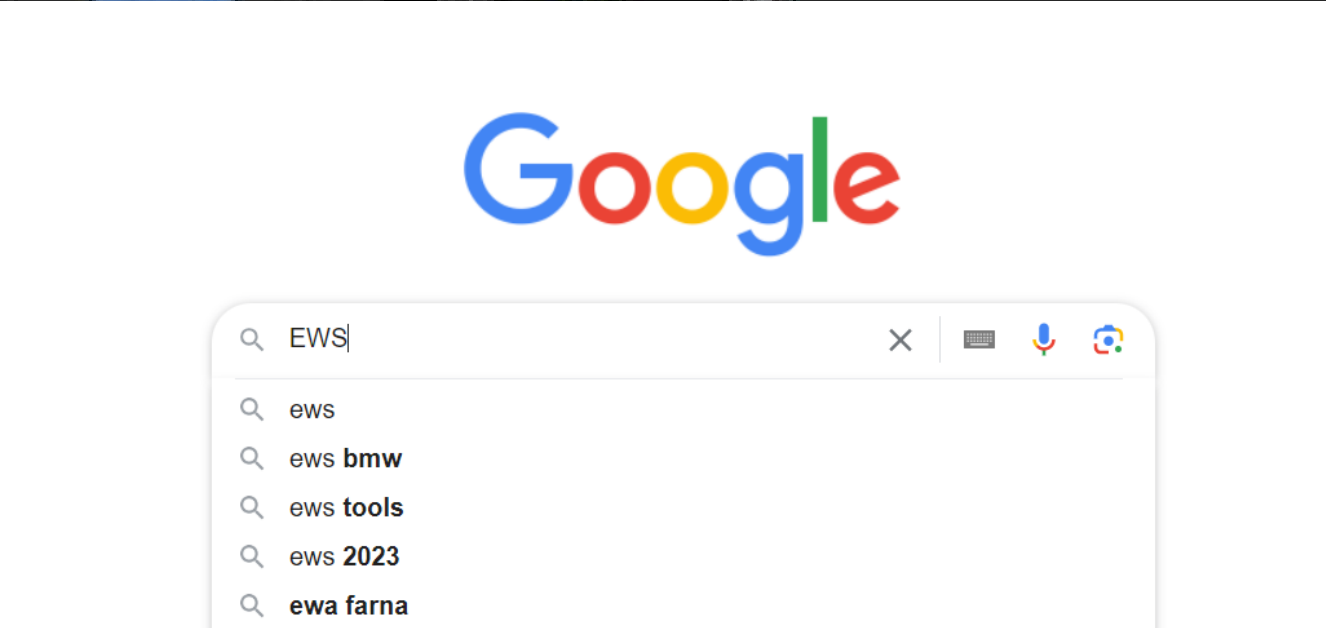
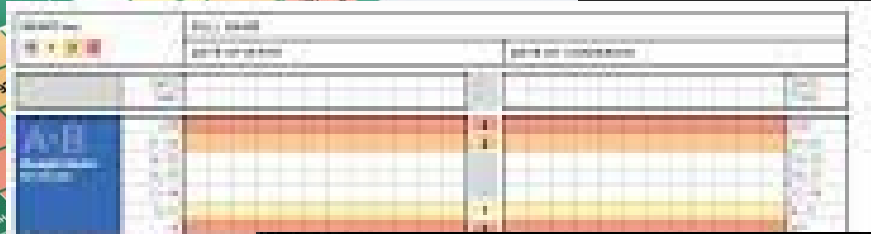
WPPSS!

TO JE TAKY PERSONALIZACE



NA TOM S EWS ???

Physiological Parameters	3	2	1	0	1	2	3
Respiration Rate (BPM)	≤8		9-11	12-20		21-24	≥25
Oxygen Saturations (%)	≤91						
Any Supplemental Oxygen							
Temperature (°C)	≤35						
Systolic Blood Pressure (mmHg)	≤90						
Heart Rate (BPM)	≤40						
Level of Consciousness							





I TADY
JSME
ASI
TEPRVE
NA
ZAČÁTKU

...



MÁME
CÍL..

Konec v Atlantiku

11. dubna, 1912: *Titanic* opouští Queenstown

14. dubna, 23:40
Titanic naráží do ledovce,
potápí se v 02:20

USA

18. dubna, New York:
Carpathia připlouvá s přeživšími

ATLANTSKÝ OCEÁN 500 km

DĚKUJI VÁM ZA POZORNOST

TO MĚL
BOHUŽEL
I TITANIK...

I KDYŽ VIDÍTE
LEDOVEC, ROZJETÁ
LOŤ SE OTÁČÍ DLOUHO



benesj@fnplzen.cz



(czech republic) AND (covid)

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RESULTS BY YEAR



(poland) AND (covid)

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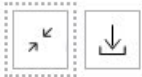
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589 results

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RESULTS BY YEAR



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2020

2023



(france) AND (covid)

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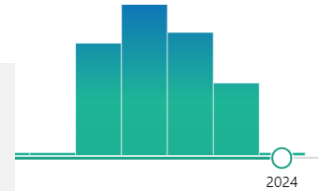
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RESULTS BY YEAR

14,501 results

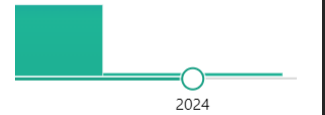
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2024

Search

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2024

2001

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RESULTS BY YEAR 1972

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RESULTS BY YEAR 1976

RESULTS BY YEAR 1963

RESULTS BY YEAR 30,621 results Page 1 of 3,063

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RESULTS BY YEAR

(slovak republic) AND ((critical care) OR (intensive care))

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Best match

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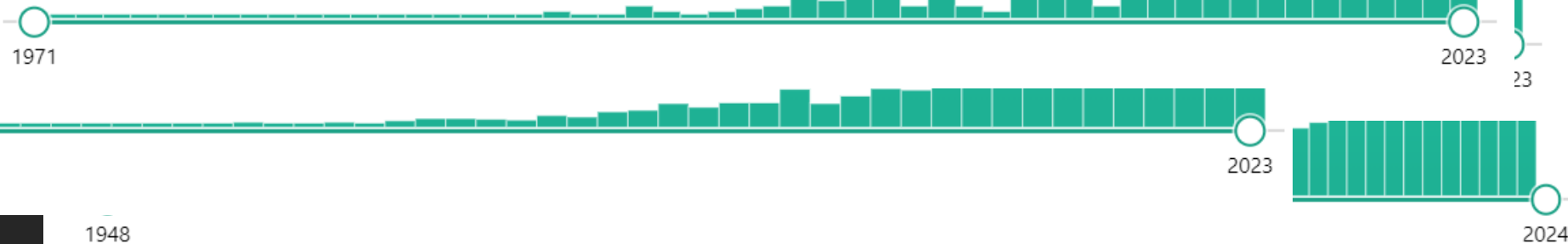
RESULTS BY YEAR

488 results

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RESULTS BY YEAR



1948