2020-02-06: Evaluating Educational Technology

The following links were shared during the chat:


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**MedEd Chat** @MedEdChat 9 hours ago

Topic 1: How do you identify new #edtech for use in #meded? #MedEdChat

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**Yusuf Yilmaz** @YusufYilmazPhD 9 hours ago

@MedEdChat Yusuf from Canada I am a postdoc fellow at @MERIT_McMaster @MacPFD #MedEdChat #MedEd

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**A.J. Kleinheksel** @AJKleinhex 9 hours ago

T1: I identify learning objectives first, then I look for #edtech. (This is my official, obligatory Instructional Designer tweet.) #MedEdChat

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**Gary Beck Dallaghan** @GLBDallaghan 9 hours ago

@MedEdChat T1 My initial thought being the closet Luddite that I am is that I have the course objectives mapped out then see if there is #edtech that can enhance aspects of the course #mededchat

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**A.J. Kleinheksel** @AJKleinhex 9 hours ago

T1: But *after* I have my learning objectives in hand, I’ll typically do at least an informal needs analysis to see if we have anything we can repurpose for a new use. If not, then I’ll look for new #edtech. #MedEdChat

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**Kurt Gilliland, PhD** @kogilli9 9 hours ago

@MedEdChat T1 The students often suggest pilots of technology with which they are familiar. #mededchat

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**Michael Gisondi, MD** @MikeGisondi9 9 hours ago

@MedEdChat Hello from @StanfordEMED! #mededchat

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**Yusuf Yilmaz** @YusufYilmazPhD 9 hours ago

@MedEdChat T1 From theoretical perspective, I seek if I can resolve an issue in #MedEd From practical perspective, I seek Technology Acceptance Model for the enduser #mededchat
RT @AJKleinhex: T1: But *after* I have my learning objectives in hand, I’ll typically do at least an informal needs analysis to see if we h…

A.J. Kleinheksel @AJKleinhex9 hours ago
T1 This may be a cheat, but if I need something totally new, I reach out to my other Instructional Design peers first. A good word from someone I trust is worth its weight in gold; there’s so much bad tech out there. #MedEdChat

Gary Beck Dallaghan @GLBDallaghan9 hours ago
@kogillil @MedEdChat T1 #medstudents are good at that. Question I have is if the bang is worth the buck? Some of this #edtech is pricey #mededchat

MedEd Chat @MedEdChat8 hours ago
@AJKleinhex T1 Networks are great for that. What would you suggest for non instructional designers who don't have those connections? Any suggested "trusted" resources? #mededchat

Michael Gisondi, MD @MikeGisondi8 hours ago
@MedEdChat T1: I hang out with cool tech people and learn from them. @ALiEMteam got me hooked, but other important influencers include @dhsalz13 @megajim @JimmyJamesBurns @NorthwesternSim and @stanfordedtech. I'm somewhere between early adopter and early majority. #mededchat https://t.co/1X8vhRZHF

MedEd Chat @MedEdChat8 hours ago
RT @MikeGisondi: @MedEdChat T1: I hang out with cool tech people and learn from them. @ALiEMteam got me hooked, but other important influen...

Kurt Gilliland, PhD @kogillil8 hours ago
@GLBDallaghan @MedEdChat T1 Agreed. Without naming names, we were disappointed with an anatomy imaging system. The sales rep and even references led us astray... $$$ #mededchat

MedEdBot @MedEdBot8 hours ago
RT @MedEdChat: The #mededchat topic & questions will be announced in a moment…for now, please introduce yourselves #meded

MedEdBot @MedEdBot8 hours ago
RT @MedEdChat: We will assume that all of your tweets during #mededchat are your own during this hour unless otherwise stated #meded

MedEdBot @MedEdBot8 hours ago
RT @MedEdChat: T1 about to come up in a few moments #meded #mededchat
RT @MedEdChat: Topic 1: How do you identify new #edtech for use in #meded? #MedEdChat

A.J. Kleinheksel @AJKleinhex8 hours ago
@MedEdChat T1: A good Google search, conference vendor space, or Educause will typically get you several options to evaluate, but in my experience it’s the evaluating that is the hardest part. Having worked in ed tech myself, I look for red flags first, and evidence second. #MedEdChat

Gary Beck Dallaghan @GLBDallaghan8 hours ago
@YusufYilmazPhD @MedEdChat T1 What is the technology acceptance model for endusers? I can sort of imagine what that is...but could you explain? #mededchat

Gary Beck Dallaghan @GLBDallaghan8 hours ago
@AJKleinhex @MedEdChat T1 What are some of the major red flags you look for? Any come to mind? #mededchat

Yusuf Yilmaz @YusufYilmazPhD8 hours ago
@GLBDallaghan @MedEdChat This is the actual original model from Davis et al https://t.co/AURF2nQxQS #mededchat #edtech https://t.co/125kFHB4w2

OtoSim Inc @OtoSimInc8 hours ago
#MedEdChat. T1: Trade shows are a great way to explore new technologies and understand their functionality. The ultimate goal of educational technology is to facilitate learning and enhance skills. Educators are always looking for useful supplementary learning tools for students.

MedEd Chat @MedEdChat8 hours ago
RT @YusufYilmazPhD: @GLBDallaghan @MedEdChat This is the actual original model from Davis et al https://t.co/AURF2nQxQS #mededchat #edtech...

Peds Endo Chick @PedsEndoChick8 hours ago
@MedEdChat Michelle chiming in from Missouri 😊 #mededchat

MedEd Chat @MedEdChat8 hours ago
Topic 2: What stakeholders are necessary (evils) to include in the decisions? #mededchat #meded #edtech

A.J. Kleinheksel @AJKleinhex8 hours ago
@GLBDallaghan @MedEdChat Glad you asked! I look for ed jargon that either seems misused (like they don’t really know what they’re talking about) or over-the-top. I look at how long they’ve been in business ( < 1 yr is a problem). I look at their staff to see if they employ trained educators. #MedEdChat
Glad you asked! I look for ed jargon that either seems misused (like they don’t really know what t…

I identify it usually through word of mouth. I’m not in a position to implement anything, so anything I find is mostly for my own use. I’m currently trying to get our program to make better use of Microsoft Teams, so not on the cutting edge #mededchat

Honestly the major stakeholder for #edtech in my opinion is the end user. If it’s not going to be used why invest in it? #mededchat

This question is very broad to give specific answer. Depending on the context, content, and target user, we can populate many answers. Instructional designer is a must to foresee and avoid unexpected outcomes. #mededchat

Stakeholders will often vary, but always and forever: students. I’ve seen tons of great tech canned because the students complain or won’t use it. #MedEdChat https://t.co/ZOmnayNhvW

The enduser, be it the learners or teachers or both. There are often generational differences, so making sure everyone who needs to use it can use it effectively is key. Also, however you’re getting it funded. Needs to offer some return on investment #mededchat

Very true. It's important to consider everyone who plays a role in implementation of #edtech. If instructional designers and programmers aren't on board that's a sign right there! #mededchat

For the necessary evil stakeholder, it has to be those in charge of funding it. The #AAMCGEA adapted a process to demonstrate #ROI for education to help with those interactions https://t.co/y0cqNZmkrC #mededchat
RT @GLBDallaghan: T2 For the necessary evil stakeholder, it has to be those in charge of funding it. The #AAMCGEA adapted a process to demo…

Sateesh Arja, M.B.B.S., MHPE, MPH @ArjaSateesh8 hours ago
@MedEdChat #mededchat T2 definitely learners, IT personnel, and educators are main stakeholders. Even the budget and finance committees are also important especially small schools like us. #meded

A.J. Kleinheksel @AJKleinhex8 hours ago
T2 Another pretty consistent stakeholder is academic/information technology. If you don’t have the infrastructure to support it, your new tech won’t work. They can tell you pretty quick if you (and your student tech requirement policy) have what it takes. #MedEdChat

Gary Beck Dallaghan @GLBDallaghan8 hours ago
@PedsEndoChick @MedEdChat T2 How do you help some in the older generations who exhibit learned helplessness when it comes to #edtech? I was on a webinar today and the presenter was incapable of using Powerpoint #mededchat

Yusuf Yilmaz @YusufYilmazPhD8 hours ago
RT @GLBDallaghan: T2 For the necessary evil stakeholder, it has to be those in charge of funding it. The #AAMCGEA adapted a process to demo…

Gary Beck Dallaghan @GLBDallaghan8 hours ago
@AJKleinhex T2 I hadn’t even thought of that. Just seems the programs run so seamlessly but that’s all the work under the hood that I really don’t want to know about #mededchat

OtoSim Inc @OtoSimInc8 hours ago
T2: We agree! There are great resources out there. From our perspective, simulation-based training needs to be used repeatedly. #MedEdChat

Michael Gisondi, MD @MikeGisondi8 hours ago
@MedEdChat T2: Students/trainees first if they need to interface frequently with tech to facilitate their courses (think LMS options). Faculty who need to evaluate trainees need very simple tech solutions. #designtinking exercises before buying tech. #mededchat https://t.co/LVxXQcz25m

MedEd Chat @MedEdChat8 hours ago
RT @MikeGisondi: @MedEdChat T2: Students/trainees first if they need to interface frequently with tech to facilitate their courses (think L…

A.J. Kleinheksel @AJKleinhex8 hours ago
T2 Depending on your institutions’ policy, you may need to integrate your new tech with your existing LMS. So finding someone (like an instructional designer) who can help navigate SCORM compliance and other data transfer issues may be important. #MedEdChat
Jen Kaminsky @jen_kaminsky 8 hours ago
RT @MedEdChat: Topic 1: How do you identify new #edtech for use in #meded? #MedEdChat

Peds Endo Chick @PedsEndoChick 8 hours ago
@GLBDallaghan @MedEdChat T2 I wish I had the answer. I’m going to try to implement some simple tech (like audience response) into my presentations, but I anticipate it not working well for some of my older colleagues. #mededchat

Deb Simpson @debsimpson 38 hours ago
T2 - Tech stakeholders range from infrastructure folks including LMS to faculty, students and some would argue the downstream recipients of our learners #GME programs and patients. #mededchat

MedEd Chat @MedEdChat 8 hours ago
Topic 3: How do you evaluate if the #edtech integrated into #meded is meeting the need? #MedEdChat

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@AJKleinhex T2 This raises a question. How are you defining instructional designer? I’ve been around some people who claim to be that but result in an eye-brow raise even from me #mededchat

A.J. Kleinheksel @AJKleinhex 8 hours ago
@GLBDallaghan This is a hot topic in my world. I define an instructional designer as someone with a graduate degree in educational technology, or another learning theory-oriented program in combination with significant experience in tech dev or integration. #MedEdChat

Deb Simpson @debsimpson 38 hours ago
T3 - Seems like process for evaluating techimpact is consistent with normal approach. #mededchat 1) Define the “it” you are impacting with tech 2) Consider unanticipated impacts and incorporate into design 3) Define metrics - hopefully use existing to have baseline for pre-post

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@MedEdChat T3 I think it depends on how it’s used and how you could evaluate it. Find ways to evaluate beyond end user satisfaction #mededchat

Sateesh Arja, M.B.B.S., MHPE, MPH @ArjaSateesh 8 hours ago
@MedEdChat #mededchat T1 Any educational technology which can enhance the learning and fits into the context and learning objectives of the course is a good edtech #meded
RT @MedEdChat: Topic 3: How do you evaluate if the #edtech integrated into #meded is meeting the need? #MedEdChat

RT @MedEdChat: This is a hot topic in my world. I define an instructional designer as someone with a graduate degree in educ...

T3 easy 😊 Do users use it regularly without complaining? If yes, you are on the right path. If not, that will not end good for everybody #mededchat

T3. There are many end-user analytics that monitor interaction with posted content. That’s one way. However these don’t address whether learning outcomes were achieved. Stakeholder focus groups are helpful, too. These can get at the why issues, barriers, etc. #mededchat

T3 Stated another way - it’s define the metrics that will answer the “what”, “so what” and “now what” questions and then do it! #mededchat

T3 Great points! One other metric that comes to mind we often overlook is the administrative burden of the #edtech. If staff find it onerous to use, is that a consideration? #mededchat

T3 Stated another way - it’s define the metrics that will answer the “what”, “so what” and “now what” questions and then do it! #mededchat

T3 Evaluating new ed tech should be much more frequent and more thorough than typical ed program eval. You need a variety of feedback early on to head off integration issues, embed data collection to assess impact, and flag unintended consequences. #MedEdChat

T3 satisfaction is certainly important, but agreed, you need other metrics. Hopefully by assessing what it is you got the tech for and aren’t using it just for tech’s sake. This is a common theme in the lit around online curricula. #mededchat
MedEd Chat @MedEdChat 8 hours ago
RT @AJKleinhex: T3 Evaluating new ed tech should be much more frequent and more thorough than typical ed program eval. You need a variety of...

Sateesh Arja, M.B.B.S., MHPE, MPH @ArjaSateesh 8 hours ago
@MedEdChat #mededchat T3 if the learning outcomes are met which are intended to be achieved by the edtech and see if we can map them to required competencies need to be acquired #meded

Deb Simpson @debsimpson 38 hours ago
T3 As with all measurement focus on the intended purpose and then determine if using a strategy - be it ^=#flippedclassroom or #tech results in better performance outcomes. It’s not about the shiny toy - it’s about #learning and performance #mededchat

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@AJKleinhex T3 When you say “embed data collection to assess impact” what do you mean? #mededchat

A.J. Kleinheksel @AJKleinhex 8 hours ago
T3 New ed tech eval should also run longer than just the first cycle of use, as new tech will be typically be more resource intensive and cumbersome until use becomes routine. If you dump every tech that’s hard to learn you’re condemning yourself to a tedious cycle. #MedEdChat

Mumin Al Shawaf (I am Hiring) @alshawafmumin 8 hours ago
RT @PedsEndoChick: @MedEdChat T2 The enduser, be it the learners or teachers or both. There are often generational differences, so making s...

MedEd Chat @MedEdChat 8 hours ago
RT @AJKleinhex: T3 New ed tech eval should also run longer than just the first cycle of use, as new tech will be typically be more resource...

Steve Mow @SteMow 8 hours ago
@GLBDallaghan @kogillil @MedEdChat T1 (am I doing this right?) Sometimes more tech=more learning. Sometimes more is just more (ahem, opthalmoscope). Quality of life improvements (remote for flashcard app or computer monitor so I don’t crane my neck) really lowers my activation energy to start studying! #MedEdChat

MedEd Chat @MedEdChat 8 hours ago
We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts #meded #mededchat
A.J. Kleinheksel @AJKleinhex 8 hours ago
@GLBDallaghan T3 I mean planning ahead for what you need to prove outcomes. You may need to track usage data (time on page, # of logins), or assess learning outcomes in a way that can be specifically tied to the use of the tech (eg, a question on a test from content in an app). #MedEdChat

Alexis L. Rossi @AlexisLRossi 18 hours ago
RT @AJKleinhex: T3 New ed tech eval should also run longer than just the first cycle of use, as new tech will be typically be more resource...

MedEd Chat @MedEdChat 8 hours ago
RT @AJKleinhex: @GLBDallaghan T3 I mean planning ahead for what you need to prove outcomes. You may need to track usage data (time on page,...

A.J. Kleinheksel @AJKleinhex 8 hours ago
Great #MedEdChat topic tonight. 😊 And an even greater discussion! https://t.co/5jc0ZV9N54

Deb Simpson @debsimpson 38 hours ago
Great #mededchat My take home? Keep distinction between process стрategies and purpose clear. #Tech #TBL #VR are great. But in #meded and life I can score lots to points when play tennis but still lose the match. Keeping my eye on the prize! @Alliance4ClinEd

MedEd Chat @MedEdChat 8 hours ago
Join us again next week at 9 pm Thursday. Don’t forget to suggest topics by DM or email #meded #mededchat

MedEd Chat @MedEdChat 8 hours ago
That’s a wrap…I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoKroXx on the Resources page. Thanks everyone for participating! #meded

Yusuf Yilmaz @YusufYilmazPhD 8 hours ago
@MedEdChat Great discussion on #MedEdTech tonight. Thank you all! #mededchat https://t.co/6dY8ni0BMw

OtoSim Inc @OtoSimInc 8 hours ago
T3 Our CEO, a physician and educator, believes evaluation should be done constantly. It includes some data & student feedback. Ask yourself - does this #edtech build my students’ confidence in their abilities to perform what is required of a healthcare professional? #MedEdChat
We enjoyed participating in #MedEdChat tonight on the topic of #edtech. Thank you @MedEdChat!

I agree that evaluation should be a constant process. And student feedback is important. But I would argue against using confidence as a primary metric of success in simulation. #MedEdChat

RT @MikeGisondi: @MedEdChat T3. There are many end-user analytics that monitor interaction with posted content. That’s one way. However the...

RT @debsimpson3: Great #mededchat My take home? Keep distinction between process/strategies and purpose clear. #Tech #TBL #VR are great....

RT @MedEdChat: Join us again next week at 9 pm Thursday. Don't forget to suggest topics by DM or email #meded #mededchat

That’s a wrap...I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoKroXx on the Resources page. Tha...

RT @debsimpson3: T3 As with all measurement focus on the intended purpose and then determine if using a strategy - be it "=#flipedclassroom...

RT @debsimpson3: T3 As with all measurement focus on the intended purpose and then determine if using a strategy - be it "=#flipedclassroom...

RT @MikeGisondi: @MedEdChat T1: I hang out with cool tech people and learn from them. @ALiEMteam got me hooked, but other important influen...
The #MedEdChat Influencers

Top 10 Influential

@MedEdChat 100
@GLBDallaghan 77
@AJKleinhex 48
@dhsalz13 39
@stanfordedtech 39
@jimmyjamesburns 39
@ALiEMteam 39
@NorthwesternSim 39
@megajim 39
@YusufYilmazPhD 38

Prolific Tweeters

@MedEdChat 18
@AJKleinhex 14
@GLBDallaghan 13
@YusufYilmazPhD 9
@MedEdBot 7
@PedsEndoChick 5
@debsimpson3 5
@MikeGisondi 4
@OtoSimInc 4
@ArjaSateesh 3

Highest Impressions
@MedEdChat 138.1K
@UserExperienceU 33.5K
@GLBDallaghan 18.8K
@AJKleinhex 14.5K
@MikeGisondi 14.5K
@MedEdBot 12.0K
@clairebotai 4.5K
@debsimpson3 3.6K
@MarkJ_oehson 3.1K
@OtoSimInc 1.6K