Making the Invisible Visible: The Inclusion of Context in Medical Education

The following links were shared during the chat:

- Four Broad Temperament Dimensions: Description, Convergent Validation Correlations, and Comparison with the Big Five. [https://www.frontiersin.org/articles/10.3389/fpsyg.2015.01098/full](https://www.frontiersin.org/articles/10.3389/fpsyg.2015.01098/full)

MedEd Chat @MedEdChat 10 hours ago
Topic 1: Why is context in #meded research important? #MedEdChat #SDRME

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @DrTashaWyatt: I am so grateful for the opportunity to talk about one of my favorite research topics. Anyone else interested in context...

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @MedEdChat: Topic 1: Why is context in #meded research important? #MedEdChat #SDRME

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @MedEdChat: The #mededchat topic & questions will be announced in a moment...for now, please introduce yourselves #meded
Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @SDRME_Meded: @MedEdChat @Alliance4ClinEd @DrTashaWyatt Happy to be here and honored for the opportunity to support this discussion by @…

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @MedEdChat: Join the #MedEdChat tonight to as we discuss context in #meded research! 9PM NYC! https://t.co/QwIAEhxZPT

Gary Beck Dallaghan @GLBDallaghan 10 hours ago
@MedEdChat T1 If you don’t have context then findings from the #meded research could easily be misleading #mededchat

Susan Sawning-she/her/hers @SSawning 10 hours ago
@MedEdChat @Alliance4ClinEd @DrTashaWyatt @SDRME_Meded Susan here checking in a tad late from Louisville, home of the horses and bourbon! #mededchat

Tasha Wyatt @DrTashaWyatt 10 hours ago
T1: Bueller? Bueller? Anyone have any thoughts on why context is important? What if I told you that it is one of the most important things to consider in #meded research? #MedEdChat

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
Kristina here - checking in for mededchat! HI @DrTashaWyatt @GLBDallaghan May lurk more tonight but happy to support my MedEd Twitter community.
Nicole Winston @MCGpharmacprof 10 hours ago
T1: Context is important in ALL research, including medical education. Social, economical, historical, etc. influence how we interact with medical colleagues and patients. #MedEdChat

Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
RT @GLBDallaghan: @MedEdChat T1 If you don’t have context then findings from the #meded research could easily be misleading #mededchat

Tasha Wyatt @DrTashaWyatt 10 hours ago
RT @MCGpharmacprof: T1: Context is important in ALL research, including medical education. Social, economical, historical, etc. influence h...

SDRME @SDRME_Meded 10 hours ago
T1 This article does a nice job of pointing out the importance of context, noting the importance of the physical dimension, semantic dimension, & commitment dimension https://t.co/AcxP72vRDP #MedEdChat

Matthew Katz, MD @subatomicdoc 10 hours ago
Good evening, everyone. Matt Katz, radiation oncologist. New to #MedEdChat and glad to be able to listen and learn.

Sateesh Arja, M.B.B.S., MHPE, MPH @ArjaSateesh 10 hours ago
@MedEdChat #mededchat T1 the context is very important in medical Education research. An innovation might be effective in one context might not work for another context. #meded

MedEd Chat @MedEdChat 10 hours ago
RT @SDRME_Meded: T1 This article does a nice job of pointing out the importance of context, noting the importance of the physical dimension...
Can you think of some specific examples of how this is true? #mededchat

The context is very important in medical education research. An innovation might be effective in...

Context is what brings meaning to the research that we do. It helps to bring meaning and sense-making to our activities. #MedEdChat

So why is this your favorite topic? What makes you feel context is so important? #mededchat

The context is very important in medical education research. An innovation might be effective in...

Context is what brings meaning to the research that we do. It helps to bring meaning and sense-making to our activities.
@MedEdBot: T1: Bueller? Bueller? Anyone have any thoughts on why context is important? What if I told you that it is one of the most...

@kristinadzara: Kristina here - checking in for #mededchat! Hi @DrTashaWyatt @GLBDallaghan May lurk more tonight but happy to support...

@subatomicdoc: T1. Context determines perception of the content and how it's processed by learners? #MedEdChat

@ArjaSateesh: the context may vary across the departments, across the institutions, and across the nations. The context is important especially in low resource settings. I have seen schools using curriculum which is buy-in from other schools which didn’t work all the time #meded

@MCGpharmacprof: I have come to realize that we need context to interpret findings appropriately and deeply. It provides the spices to research rather than stripping it to scales and numbers. It helps us make sense of messy topics as well. #MedEdChat

@MedEdChat: Activity setting analysis tells us that who, what, when, and how are essentially the same across activities. However, it is context that provides the WHY. #MedEdChat
Kristina Dzara, PhD, MMSc @kristinadzara 10 hours ago
@DrTashaWyatt But how do we consider the context of prior studies when we are using them to inform the development of new research? I am trying to wrap my head what feels like an abstract concept right now. #MedEdChat

MedEd Chat @MedEdChat 10 hours ago
RT C Stalburg @carens8892 Replying to @DrTashaWyatt Many different ways: who is the audience, what is the topic, how is the intervention operationalized, what is being measured/assessed.... #MedEdChat

Brenda Roman @BJBRoman 10 hours ago
@admsep council checking in for mededchat https://t.co/ae3sK4SvaC

Nicole Winston @MCGpharmacprof 10 hours ago
RT @DrTashaWyatt: T1: Context is what brings meaning to the research that we do. It helps to bring meaning and sense-making to our activities.

MedEd Chat @MedEdChat 10 hours ago
RT @MCGpharmacprof: @GLBDallaghan @DrTashaWyatt I have come to realize that we need context to interpret findings appropriately and deeply....

Tasha Wyatt @DrTashaWyatt 9 hours ago
@GLBDallaghan The same activity can be performed (i.e physical exam) and mean something different within different contexts. We often assume that activities can be transferred, but transferring from context to context is challenging. I am interested in what makes it challenging. #mededchat
RT C Stalburg @carens8892 Replying to @DrTashaWyatt Mightn’t the WHY be the concept or question that is then evaluated within a context? :-0 #MedEdChat

Topic 2: At what point should you consider the role of context in your study? #MedEdChat #SDRME

That is such a cool and perplexing aspect of context that is often overlooked. I have commented for years about how alleged competence is context-dependent....but so few people got it. #mededchat

Interesting thought! I think what researchers should be looking at is why activities change or at least we perceive change. This helps us better map contextual differences in the same activity. #mededchat

T1: I like to think of context as the lens we are coming from/seeing through that informs the research (in addition to what already has been mentioned) #mededchat

We can use the language of the methods to help us understand the context of the study. Also the area of the country or continent or place in time provides clues. #MedEdChat
C Stalburg @carens88929 hours ago
@SSawning @MedEdChat @DrTashaWyatt T1: so is context like “world view” or “parameters”? #mededchat

Nicole Winston @MCGpharmacprof9 hours ago
RT @SSawning: @MedEdChat @DrTashaWyatt T1: I like to think of context as the lens we are coming from/seeing through that informs the resear...

Tasha Wyatt @DrTashaWyatt9 hours ago
@SSawning @MedEdChat Exactly, we all have our own socio-cultural context informed by various experiences. This is incredibly important to be aware of in research because we make ASSUMPTIONS that influence our work. #mededchat

Gary Beck Dallaghan @GLBDallaghan9 hours ago
T2 Where context is concerned in #meded research....I wonder if it isn't something that needs to be considered every step of the way #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara9 hours ago
RT @GLBDallaghan: T2 Where context is concerned in #meded research....I wonder if it isn't something that needs to be considered every step...

MedEd Chat @MedEdChat9 hours ago
RT @DrTashaWyatt: @SSawnng @MedEdChat Exactly, we all have our own socio-cultural context informed by various experiences. This is incredi...
Interestingly, context is incredibly difficult to define in research. How do you know what might need to be reported? How do you know what might be influential? My guess is that this is why it is often left out...it is complex. #mededchat

We can use the language of the methods to help us understand the context of the study. Als...

Absolutely, so true! #MedEdChat

Ideally, from the very beginning planning stage. #MedEdChat #SDRME

Where context is concerned in meded research....I wonder if it isn't something that needs to be considered every step...

Important to understand ones own biases and how that influences our questions and approaches to research. It becomes the philosophical conundrum of what is the truth if all knowledge is contextual. #mededchat #myheadjustblewup
Do you feel those assumptions occur in quantitative as well as qualitative research? #mededchat

Important to understand ones own biases and how that influences our questions and approach.

We have contexts, our participants have contexts, our research audience has contexts. It is a wonder that we can come to a shared understanding on anything in #meded research! #mededchat

I use context most frequently in the interpretation phase of my research. However I think about context when I think of topics, research topics, and design research studies. #MedEdChat

RT @DrTashaWyatt: We have contexts, our participants have contexts, our research audience has contexts. It is a wonder that we can come to...

Oooh, tell us more! What do you want #meded researchers to know? #mededchat

It’s kind of like this @carens8892 #MedEdChat
Yes! and now we've arrived...#Mededchat

Did you just invoke the idea of situated cognition? The idea that one cannot know something outside the context of doing because knowledge is tied to the social, physical and cultural context in which it is embedded? How nerdy of you

Important to understand ones own biases and how that influences our questions and approa...

Have you seen any examples of good reporting of context? I'm at the beginning stages of my career, so am just soaking up the knowledge now #mededchat

context is important as it may dictate your design, your sampling. It may affect your data collection. And should be acknowledged in the methods in a contributory way.

Exactly, we all have our own socio-cultural context informed by various experiences. This is incredi...
C Stalburg @carens8892 9 hours ago
@DrTashaWyatt @SSawning @MedEdChat Why thank you! #mededchat
https://t.co/RB8oxXAezH

Tasha Wyatt @DrTashaWyatt 9 hours ago
One of my favorite articles is Mapping the Dark Matter of Context: https://t.co/e1s4ItHSXy
Just the metaphor makes me happy, but the content is good, too! Bates and Ellaway outline the contexts in #meded #mededchat

Gary Beck Dallaghan @GLBDallaghan 9 hours ago
@MCGpharmacprof Do you monitor contexts during the research study itself? How do you find meaning in your research if contexts alter during the study? #mededchat

MedEd Chat @MedEdChat 9 hours ago
RT @DrTashaWyatt: One of my favorite articles is Mapping the Dark Matter of Context: https://t.co/e1s4ItHSXy Just the metaphor makes me ha...

C Stalburg @carens8892 9 hours ago
@PedsEndoChick @DrTashaWyatt @SSawning @MedEdChat I have seen it in the philosophy literature, but not med ed literature. We don't do a great job of calling out our contexts and/or applicability of our findings. #mededchat

Teresa Chan @TChanMD 9 hours ago
Classic paper by @drellaway!
Matthew Katz, MD @subatomicdoc 9 hours ago
@carens8892 @DrTashaWyatt @SSawning @MedEdChat Some of our biases may be biologically based. I haven't seen applied to #meded and learning but see how neurobiology may influence temperament, behavior based upon fMRI https://t.co/Xw7EDUYrGz #mededchat

Susan Sawning-she/her/hers @SSawning 9 hours ago
@DrTashaWyatt @carens8892 @MedEdChat I really thought my matrix movie gif really fit well with this idea. Ok, reigning it in...back to topic. #mededchat

MedEd Chat @MedEdChat 9 hours ago
Topic 3: Is it ever appropriate to not consider the role of context in #meded research? Why or Why not? #MedEdChat #SDRME

Nicole Winston @MCGpharmacprof 9 hours ago
@GLBDallaghan I use 2 methods: understanding the background of my participants and self-assessing my own context/interpretations. I then look for patterns in the data to best explain what is happening based on these contexts. #MedEdChat

Tasha Wyatt @DrTashaWyatt 9 hours ago
This is another article that I like on how contexts are poorly defined. They created a conceptualization of how contexts differ that makes them operationalized. It is titled: Analyzing the Concept of Context in Medical Education - https://t.co/YvrPy1cE4C #mededchat

MedEd Chat @MedEdChat 9 hours ago
RT @subatomicdoc: @carens8892 @DrTashaWyatt @SSawning @MedEdChat Some of our biases may be biologically based. I haven't seen applied to #m...
C Stalburg @carens8892 9 hours ago
@SSawning @DrTashaWyatt @MedEdChat I liked the matrix reference fwiw #mededchat

MedEd Chat @MedEdChat 9 hours ago
RT @DrTashaWyatt: This is another article that I like on how contexts are poorly defined. They created a conceptualization of how contexts...

Tasha Wyatt @DrTashaWyatt 9 hours ago
@carens8892 @PedsEndoChick @SSawning @MedEdChat There is push from qualitative researchers in meded to do so, but I think we could do an even better job. For me, it begs the question of what we are trying to accomplish if we are not trying to include context in our meded research. mededchat

Gary Beck Dallaghan @GLBDallaghan 9 hours ago
@DrTashaWyatt @carens8892 @PedsEndoChick @SSawning @MedEdChat Wouldn't you agree that there is an assumption that contexts are interchangeable? Seems to me that this is an issue when we think performing a procedure in one setting is identical to another. MedEdChat

Mark Shapiro MD @ETSshow 9 hours ago
@DrTashaWyatt Joining MedEdChat late, Mark Shapiro here. Hospitalist & host of Explore The Space podcast. That is a proper great name for an article! @MedEdChat

Nicole Winston @MCGpharmacprof 9 hours ago
T3: I have been thoroughly convinced in the last 3 or so years that context is everything. Even bench science should have context, especially to be repeatable. What were the exact conditions of the experiment? Time of day, area of the world, experience of the student MedEdChat
MedEd Chat @MedEdChat 9 hours ago
RT @MCGpharmacprof: T3: I have been thoroughly convinced in the last 3 or so years that context is everything. Even bench science should ha...

Susan Sawning-she/her/hers @SSawning 9 hours ago
@GLBDallaghan @DrTashaWyatt @carens8892 @PedsEndoChick @MedEdChat I agree this assumption exists, but also agree it is an unhelpful assumption. #MedEdChat

Gary Beck Dallaghan @GLBDallaghan 9 hours ago
@MCGpharmacprof T3 Agreed. All of our work in #meded should truly spell out context. Our research should be like reading a recipe...so we can bake the same study at other institutions to see how that context impacts the outcomes #mededchat

Nicole Winston @MCGpharmacprof 9 hours ago
RT @GLBDallaghan: @MCGpharmacprof T3 Agreed. All of our work in #meded should truly spell out context. Our research should be like readin...

Nicole Winston @MCGpharmacprof 9 hours ago
@GLBDallaghan Love that metaphor! #MedEdChat

Sateesh Arja, M.B.B.S., MHPE, MPH @ArjaSateesh 9 hours ago
@MedEdChat #mededchat T2 Context is important throughout medical Education research from the time identifying the need for research and gap in the knowledge of current literature till the interpretation of results #meded
RT @DrTashaWyatt Yes, Gary, this is a HUGE assumption! It is because we have a biomedical approach to thinking about learning...an approach we need to leave behind. Here's a great article about how we need to think about context in learning:10.1097/ACM.0000000000002345 #MedEdChat

RT @MCGpharmacprof: T3: I have been thoroughly convinced in the last 3 or so years that context is everything. Even bench science should ha...

So, how do you all keep track of context in your #meded research? I would suggest creating memos. Here is a great "how-to" article for thinking about context for the entire study, individual interviews, focus groups, informal interactions, etc: https://t.co/XgzR8RwGEm #mededchat

Don't read into it too much - it's about biologic personality framework focused upon we perceive certain topics. Not overtly applied to learning? even a similar audience (med students) may be wired to wear different lenses for the same educational content #MedEdChat

RT @DrTashaWyatt: So, how do you all keep track of context in your #meded research? I would suggest creating memos. Here is a great "how-to...
RT @DrTashaWyatt: So, how do you all keep track of context in your #meded research? I would suggest creating memos. Here is a great *how-to... Tasha Wyatt @DrTashaWyatt

@GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat Biomedical approaches to learning interfer with our ability to teach. The goal is not to isolate knowledge bits of info for students to memorize, the goal is to help them create cognitive scaffolds, but this requires contextualizing information for them #mededchat

MedEd Chat @MedEdChat

We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts #meded #mededchat

MedEd Chat @MedEdChat

RT @DrTashaWyatt: @GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat Biomedical approaches to learning interfer with our ability...

Nicole Winston @MCGpharmacprof

RT @DrTashaWyatt: @GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat Biomedical approaches to learning interfer with our ability...

Gary Beck Dallaghan @GLBDallaghan

Final Thoughts: Altho context is something I consider, I have not thought as much about how deeply it can impact our #meded research findings. Definitely gave a lot of food for thought tonight! Thanks @DrTashaWyatt #mededchat
Nicole Winston @MCGpharmacprof 9 hours ago
@DrTashaWyatt @MedEdChat @GLBDallaghan @carens8892 @PedsEndoChick @SSawning This is why I love teaching clinical therapeutics. Making sense of when and how to use available pharmacotherapies #MedEdChat

Tasha Wyatt @DrTashaWyatt 9 hours ago
@GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat To contextualize information, we need to understand that we each have our own socio-cultural contexts that inform the way we see the world. A great teacher steps into the context of another and helps the learner build new knowledge from the inside out #mededchat

MedEd Chat @MedEdChat 9 hours ago
RT @DrTashaWyatt: @GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat To contextualize information, we need to understand that we...

COMSEP @COMSEPediatrics 9 hours ago
RT @Alliance4ClinEd: #MedEdChat is addressing the importance of context in meded research Dec 5th at 9PM NYC! @COMSEPediatrics @AIMOnlin...

MedEd Chat @MedEdChat 9 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

MedEd Chat @MedEdChat 9 hours ago
Join us again next Thursday at 9 pm NYC. Don't forget to suggest topics by DM or email meded mededchat @apgonews is our guest host!
Tasha Wyatt @DrTashaWyatt 9 hours ago

Here is my final thought. Attend to the context in your work and assume there are influences lurking that could be at any level. This is a great article to think about context as an ecosystem with onion-like layers to consider in your work: https://t.co/gqelxDvBTu
#mededchat

Susan Sawning-she/her/hers @SSawning 9 hours ago

@DrTashaWyatt @GLBDallaghan @carens8892 @PedsEndoChick @MedEdChat ...while also being sure to understand that our socio-cultural context is not superior and that we need to hear and embrace that other contexts are as important and valuable #mededchat

Teresa Hartman @thartman2u 9 hours ago

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

Teresa Hartman @thartman2u 9 hours ago

RT @DrTashaWyatt: @GLBDallaghan @carens8892 @PedsEndoChick @SSawning @MedEdChat Biomedical approaches to learning interfere with our ability...

MedEdBot @MedEdBot 9 hours ago

RT @GLBDallaghan: Final Thoughts: Altho context is something I consider, I have not thought as much about how deeply it can impact our #me...

Teresa Hartman @thartman2u 9 hours ago

I will be checking to see if any #medlibs are curating this-RT @MedTweetorials medtweetorials #MedEd twitterstorians #mededchat

MedEdBot @MedEdBot 9 hours ago

RT @MedEdChat: That's a wrap...I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoKroXx on the Resources page. Tha...
MedEdBot @MedEdBot 9 hours ago
RT @MedEdChat: Join us again next Thursday at 9 pm NYC. Don't forget to suggest topics by DM or email #meded #mededchat @apgonews is our g...

ShereeseM, MS/MBA @ShereesePubHlth 9 hours ago
@lorenlas1 look at that class. Perhaps I judged the future too harshly. #medEdchat

Andrea Prinzi @andreaprinzi 5 hours ago
What the heck, let's revisit this thread for #Tularemia Thursday! #microbiology #womeninSTEM #MicroRounds #FOAMed #IDtwitter #MedEdchat #MedED @ASMicrobiology #ASMClinMicro

FemTech_ @femtech_ 5 hours ago
RT @andreaprinzi: What the heck, let's revisit this thread for #Tularemia Thursday! #microbiology #womeninSTEM #MicroRounds #FOAM #IDtwitter

Zhou Mi @ymzlzm_zm 5 hours ago
RT @andreaprinzi: What the heck, let's revisit this thread for #Tularemia Thursday! #microbiology #womeninSTEM #MicroRounds #FOAMed #IDtwitter

Dr Jason Frank @drjfrankk 5 hours ago
RT @DrTashaWyatt: One of my favorite articles is Mapping the Dark Matter of Context: https://t.co/e1s4ltHSXy Just the metaphor makes me ha...
MedEdBot @MedEdBot 5 hours ago
RT @andreaprinzi: What the heck, let's revisit this thread for #Tularemia Thursday! #microbiology #womeninSTEM #MicroRounds #FOAMed #IDtwit...

FAZNA SALEEM @faznasaleem 4 hours ago
RT @MedEdChat: Join the #MedEdChat tonight to as we discuss context in #meded research! 9PM NYC! https://t.co/QwIAEhxZPT

GREPAR TOULOUSE @GreparToulouse 2 hours ago
RT @DrTashaWyatt: One of my favorite articles is Mapping the Dark Matter of Context: https://t.co/e1s4ltHSXy Just the metaphor makes me ha...
The #MedEdChat Influencers

Top 10 Influential

- DrTashaWyatt 100
- MedEdChat 88
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- carens8892 75
- SSawning 72
- PedsEndoChick 58
- MCGpharmacprof 46
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Prolific Tweeters

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- kristinadzara 14
- SSawning 8
- subatomicdoc 8
- GLBDallaghan 8
MedEdBot 6

carens8892 5

ArjaSateesh 3

Highest Impressions

MedEdChat 180.7K

subatomicdoc 145.4K

kristinadzara 69.8K

TChanMD 23.3K

ShereesePubHlth 18.4K

GLBDallaghan 11.3K

drfrank 10.1K

MedEdBot 9.3K

SSawning 8.9K

ETSshow 7.3K