2021-02-04: Specialty "Boot Camp": What Else Are Learners Needing Before They Leave Medical School?
Topic and Questions courtesy of the Association of Directors of Medical Student Education in Psychiatry

The following links were shared during the chat:
- [Boot Camps Prepare Medical Students for the Rigors of Residency | AAMC](#)
- [Effects of Postgraduate Medical Education "Boot Camps" on Clinical Skills, Knowledge, and Confidence: A Meta-Analysis | Journal of Graduate Medical Education | Allen Press](#)
- [Physician-Patient Boundaries: Professionalism Training Using Video Vignettes (nih.gov)](#)
- [Pre-residency boot camps prep med school grads for new realities | American Medical Association (ama-assn.org)](#)

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
Topic 1: Does your school offer specialty boot camps? Is the course required? Is this offered to all specialties or just certain ones? #MedEdChat #meded

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vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat A1. @OhioStateMed certainly does for at least internal medicine and pediatrics and from what I hear other specialties too. I'm not sure if it's universal though. I was also lucky enough to have something similar where I went to med school @USFHealthMed many moons ago. #mededchat

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Dhruv Srinivasachar @TheRealDSrini 8 hours ago
@MedEdChat T1 @VCUHealth does offer boot camps by specialty, although I think the faculty may have more info than I do? @MichaelSRyanMD? #mededchat

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vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat @OhioStateMed @USFHealthMed I am also unsure if it is mandatory but will try to find out. #mededchat

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Dana Raml, M. D. @DanaRamlMD 8 hours ago
Join us now! For #mededchat @DrDanielGih @SAStrongMD @PeirceJohnston

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Gary Beck Dallaghan @GLBDallaghan 8 hours ago
T1 We have a required course referred to as transition to residency. It involves general information as well as specialty-specific courses #mededchat

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vignesh doraiswamy MD @DoctorVig 8 hours ago
@DanaRamlMD @MedEdChat @UNMCCOM This is a great idea! I need to see if they do this here #mededchat

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HFrankA @HFrankA 8 hours ago
T1: we will be offering residency prep boot camp as an optional elective for all students this year. Our first year of M4's. Possibly required next year. #mededchat

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Alliance4ClinEd @Alliance4ClinEd 8 hours ago
T1 This blog discusses four different medical schools that offer bootcamps for their students https://t.co/0kr1CIwoGM #MedEdChat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat @OhioStateMed @USFHealthMed Another great question I would love to know the answer to is if we have any data from PGY1s that these bootcamps/courses were helpful? #mededchat

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
RT @DSchatteMD @dschattemd Replying to @MedEdChat T1: we have had pedi, IM, psych, surgery, and OB for a few years with some shared content but independent electives. This year we have Transition To Residence course for all students @utmbhealth #mededchat

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@HFrankA T1 Will it be for every specialty interest or just some...like surgery or ob/gyn? #mededchat

Daniel E. Gih MD @DrDanielGih 8 hours ago
RT @Alliance4ClinEd: T1 This blog discusses four different medical schools that offer bootcamps for their students https://t.co/0kr1CIwoGM…

MedEdBot @MedEdBot 8 hours ago
RT @MedEdChat: Welcome to the #mededchat (US) I am your moderator for the next hour @alliance4clined #meded Thanks again to @DanaRamlMD &…

MedEdBot @MedEdBot 8 hours ago
RT @MedEdChat: The #mededchat topic & questions will be announced in a moment…for now, please introduce yourselves #meded

MedEdBot @MedEdBot 8 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 @MedEdBot 8 hours ago
RT @MedEdChat: T1 about to come up in a few moments #meded #mededchat

MedEdBot @MedEdBot 8 hours ago
RT @MedEdChat: Topic 1: Does your school offer specialty boot camps? Is the course required? Is this offered to all specialties or just c…

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@DoctorVig @MedEdChat @OhioStateMed @USFHealthMed T1 I ran across a blog about the bootcamps earlier. Most say it helps calm the nerves of students but nothing empirical has been reported on actual intern performance as a result of a bootcamp #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@jswitzermd @MedEdChat @JeffersonUniv Is it mandatory and what about folks who go into pathology or fields that may not fit well into the medicine or surgery dichotomy? #mededchat

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh 8 hours ago
#mededchat Sateesh Arja from Avalon University School of Medicine, Curacao #meded

vignesh doraiswamy MD @DoctorVig 8 hours ago
@GLBDallaghan @MedEdChat @OhioStateMed @USFHealthMed Thanks! Sounds like a great thing to study though I do imagine it to be cumbersome to track them down. Do you have a link? #mededchat

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
Topic 2: What topics do you see as relevant for all medical students leaving medical school (i.e. financial education, stress management, patient handoffs) which should be addressed in "boot camp"? #MedEdChat #meded

Gary Beck Dallaghan @GLBDallaghan 8 hours ago
@DoctorVig @MedEdChat @OhioStateMed @USFHealthMed T1 Better yet....here is a meta analysis (that is kind of weak IMO) about the effectiveness of bootcamps. Should give you some ideas. https://t.co/QMe7YeR48X #mededchat

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh 8 hours ago
@MedEdChat #mededchat T2 I think all of them are important. Financial discipline especially if they are starting a residency with 200-300 K debt. Equally stress management/burnout topics and patient handoffs are important #meded

vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat T2. financial ed and loan planning, telehealth/communication & over the phone with nurses and families (especially relevant now), hand-offs, common documentation errors and missteps, and how to find good mentors/coaches/sponsors #mededchat

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
RT @GLBDallaghan: @DoctorVig @MedEdChat @OhioStateMed @USFHealthMed T1 Better yet....here is a meta analysis (that is kind of weak IMO) abo…

Daniel E. Gih MD @DrDanielGih 8 hours ago
@MedEdChat T2. I'd love to see some note writing and clinical organization tools. While many of us have honed this over time, some residents struggle significantly in juggling multiple tasks and could benefit from models to use. #MedEdChat

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
RT @DoctorVig: @MedEdChat T2. financial ed and loan planning, telehealth/communication & over the phone with nurses and families (especiall…

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
RT @DrDanielGih: @MedEdChat T2. I'd love to see some note writing and clinical organization tools. While many of us have honed this over ti…

Sheritta A. Strong, MD, DFAPA she/her @SAStrongMD 8 hours ago
@MedEdChat T1 - As a psychiatrist, it would be great for students to know how to make appropriate referrals to subspecialties. We know that the number of inappropriate referrals are high in July and August. #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat Also, very few students educated in large academic settings have any idea what it's like to be a physician in any other setting even though residency or future career may take them to other settings and it may be important to teach how imp all of these places are. #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@GLBDallaghan @MedEdChat @OhioStateMed @USFHealthMed Great share, thanks!! #mededchat

Dorothy Sendelbach @sendelb2 8 hours ago
@MedEdChat Knowing when and how to ask for help #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@DanaRamlMD @MedEdChat agreed! I wasted years of my residency without using my Roth IRA (or any IRA for that matter) because I didn't know anything about it for example. #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@DanaRamlMD @SAStrongMD @MedEdChat I third this!! #mededchat

@DSchatteMD @dschattemd 8 hours ago
@MedEdChat T2: the first year of our Bootcamp I was struck by how much they learned from faculty telling what mistakes we made as interns (not planned, we all just did it). They said they were less afraid to ask for help & admit what they didn't know #mededchat

Temple Ratcliffe @templeratcliffe 8 hours ago
@MedEdChat T2: Credentialing basics, MOC, contract negotiation (none of which I'm particularly interested in, but all important). #MedEdChat

Daniel E. Gih MD @DrDanielGih 8 hours ago
Vulnerability and humility are key connection tools! #MedEdChat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@DanaRamlMD @MedEdChat I didn't even know the differences between a coach, mentor and

sponsor   #mededchat

vignesh doraiswamy MD @DoctorVig8 hours ago
@templeratcliffe @MedEdChat I agree that this is super important but would this perhaps be a bit too early for folks who haven't even finished med school yet? I was lucky to learn about all of those things as a senior resident in my last year of residency #mededchat

Sheritta A. Strong, MD, DFAPA she/her @SAStrongMD8 hours ago
RT @dschattemd: @MedEdChat T2: the first year of our Bootcamp I was struck by how much they learned from faculty telling what mistakes we m…

Dana Raml, M. D. @DanaRamlMD8 hours ago
@templeratcliffe @MedEdChat Agree!! As a junior faculty I still don't feel especially comfortable with MOC requirements ....this point also makes me think some of these topics would have value for resident training as well! #mededchat

Temple Ratcliffe @templeratcliffe8 hours ago
@DoctorVig @MedEdChat Good point. Brief introduction prob wouldn't hurt, but so many other important topics. #MedEdChat

@DSchatteMD @dschattemd8 hours ago
@MedEdChat T2 I think how to work with a translator is an important topic for Bootcamp #mededchat

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
Topic 3: What specialty specific topics do you think should be covered that may not be relevant to students pursuing careers outside of your specialty? #MedEdChat #meded

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
RT Dana Raml, M. D. @DanaRamlMD T2: I think students are craving financial 101 and this can be

so valuable! (Literally   )...most physicians have no business or financial background, so even some basics and showing resources for reliable financial info can be useful #Mededchat

Suzanne Minor, MD @minor_se8 hours ago
@MedEdChat T2 self-awareness and self-care. #MedEdChat

@DSchatteMD @dschattemd8 hours ago
@MedEdChat T3 For psychiatry, special boundary issues. But there is great content already out there for this! #MedEdChat https://t.co/RXz09OGr19

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
RT @dschattemd: @MedEdChat T3 For psychiatry, special boundary issues. But there is great content already out there for this! #MedEdChat ht…

HFrankA @HFrankA 8 hours ago
Our students get financial planning and budget management sessions beginning in first year from a financial planner on our faculty. #mededchat @WSUMedicine

vignesh doraiswamy MD @DoctorVig 8 hours ago
@MedEdChat T3. I'm MedPeds and many things from both of my fields are so general & I can't think of anything off the top of my head but I think children (and interacting with parents) scare a lot of people so I think that is something that can be incorporated into any bootcamp #mededchat

Eileen Barrett MD MPH (she/her) @EileenBarrettNM 8 hours ago
@MedEdChat Treating substance use disorders Obesity as a medical illness rather than an individual failing Structural inequalities and inequities - including structural racism Medical humanities #mededchat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@dschattemd @MedEdChat There is SO much from psychiatry that we could all use some basics on. #mededchat

Eileen Barrett MD MPH (she/her) @EileenBarrettNM 8 hours ago
@MedEdChat Yes! Although it's an elective for sub-Is in IM -- likely for others, as well, but I don't know. (But I should.) #mededchat

Dhruv Srinivasachar @TheRealDSrini 8 hours ago
@MedEdChat A2: How to navigate social services and insurance in order to help patients. This is the one thing that we do not get taught as students and as residents. #MedEdChat

Daniel E. Gih MD @DrDanielGih 8 hours ago
@MedEdChat T3. I'd add decision-making capacity and power of attorney are common issues particularly on hospital services. They are often addressed by consulting psychiatrists (and social work) but should not be limited to psychiatry. #MedEdChat

Dana Raml, M. D. @DanaRamlMD 8 hours ago
@MedEdChat T3 I lead a workshop on Advance Clinical Interview with heavy focus on psych interview that would be less helpful for the non psych student...I also do a brief lecture on available resources and helpful books/podcasts to use to augment their learning in residency. #MedEdChat

Eileen Barrett MD MPH (she/her) @EileenBarrettNM 8 hours ago
@MedEdChat PS I know why we are doing so here, but I do find the language of boot camps as problematic. We use too many military/battle metaphors in medicine, IMO. #mededchat

@DSchatteMD @dschattemd 8 hours ago
@DoctorVig @MedEdChat T3 our TTR directors this year are adding how to work with kids & adults with disabilities this year. Far to often docs just talk to the caregiver if they aren't properly trained. #mededchat

Dhruv Srinivasachar @TheRealDSrini 8 hours ago
@DoctorVig @MedEdChat A3: Seconded on this! Also how to have end-of-life and goals of care conversations, as this is not covered well even within certain specialties. #MedEdChat

vignesh doraiswamy MD @DoctorVig 8 hours ago
@TheRealDSrini @MedEdChat OMG this!! Goals of care = code status to so many people and this is so so so wrong. everyone could use a workshop or education on this. #mededchat

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
Topic 4: Are boot camps helpful in refreshing skills or like cramming for an exam? Do boot camps offer novel skills not taught elsewhere? Why or why not? Are these simply calming student and educator anxieties as students transition to the next phase of training? #MedEdChat

Dhruv Srinivasachar @TheRealDSrini 8 hours ago
@MedEdChat A3: I would also add basics of critical care (especially given the pandemic...) #MedEdChat

Mac Prog for FacDev @MacPFD 8 hours ago
#MedEd #FacDev #HMIChat #MedEdChat #HPE #AcademicChatter #MedTwitter

Mac Prog for FacDev @MacPFD 8 hours ago
RT @MacPFD: #MedEd #FacDev #HMIChat #MedEdChat #HPE #AcademicChatter #MedTwitter https://t.co/c3PVa9LbPq

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh 8 hours ago
@MedEdChat #mededchat T3 these Can be applicable to all specialties EPAs core competencies, clinical skills and professional-personal life balance #meded

Dhruv Srinivasachar @TheRealDSrini 8 hours ago
@templeratcliffe @MedEdChat Solution to the MOC bit...make it so that students can complete the quizzes offered as MOC by journals, podcasts, etc. as a means of obtaining course credit in order to get them used to the concept #MedEdChat

Nina Browner, MD @NinaBrowner 8 hours ago
@MedEdChat T4 #MedEdChat We found bootcamp invaluable tool in transition to new phase. Not only one can aim for specific topics to discuss, it also creates the feeling of kinship among the participants going it through together. It also normalizes the " growing pains" of transition.

MedEd Chat (hosted by ACE) @MedEdChat 8 hours ago
RT @TheRealDSrini: @templeratcliffe @MedEdChat Solution to the MOC bit...make it so that students can complete the quizzes offered as MOC b…

Teresa Chan @TChanMD8 hours ago
RT @MacPFD: #MedEd #FacDev #HMIChat #MedEdChat #HPE #AcademicChatter #MedTwitter https://t.co/c3PVa9LbPq

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
RT @NinaBrowner: @MedEdChat T4 #MedEdChat We found bootcamp invaluable tool in transition to new phase. Not only one can aim for specific…

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh8 hours ago
@MedEdChat #mededchat T4 something can be created like urgent calls and pager messages during boot camps simulating as if the students are already interns #medec

vignesh doraiswamy MD @DoctorVig8 hours ago
@MedEdChat t4 I *think* they help with some basic anxieties but not sure that they really help with residency for many reasons. @GLBDallaghan shared the link below earlier that has *some* data but think this is a great area for further study. https://t.co/WpSFewVMuO #MedEdChat

Nina Browner, MD @NinaBrowner8 hours ago
@MedEdChat T1 #mededchat As a #neurology program, our newly - minted PGY1 hosted by @UNCDeptMedicine and they take orientation and boot camp/transition to residency seriously - we really appreciate that!

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh8 hours ago
@MedEdChat #mededchat T4 #meded https://t.co/WwYnow9ouW

vignesh doraiswamy MD @DoctorVig8 hours ago
@NinaBrowner @MedEdChat I wholeheartedly agree that bootcamps are great in the beginning of residency with your new family and I like to think that the M4 ones help but I just remember having forgotten everything by the time residency started. #MedEdChat

Nina Browner, MD @NinaBrowner8 hours ago
@physiciansguide @MedEdChat T2 #mededchat Agree, all of these are very relevant topics!

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
RT @ArjaSateesh: @MedEdChat #mededchat T4 #meded https://t.co/WwYnow9ouW

MedEd Chat (hosted by ACE) @MedEdChat8 hours ago
We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts #meded #mededchat

Nina Browner, MD @NinaBrowner8 hours ago
@MedEdChat T4 #mededchat As soon as our of COVID is over, we are planning bootcamp "Becoming a Senior" = lectures/interactive seminars on how to teach on the go, leading the team, implicit bias etc. skills that we all assume senior residents know but better to unpack them in a group

Dhruv Srinivasachar @TheRealDSrini8 hours ago
@MedEdChat Final thought: July 1 is coming. This year has been...a year...I sincerely hope that the bootcamps we get will be helpful in preparing us for the many challenges that we face now that we have the postnominal M.D. #MedEdChat

vignesh doraiswamy MD @DoctorVig8 hours ago
@NinaBrowner @MedEdChat We had this for PGy1 at the end of intern year where I trained! It was very well received. #mededchat

MedEd Chat (hosted by ACE) @MedEdChat8 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 (hosted by ACE) @MedEdChat8 hours ago
That's a wrap...I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoK9NyX. Thanks everyone for participating! #meded

vignesh doraiswamy MD @DoctorVig8 hours ago
@TheRealDSrini @MedEdChat I'll tell you this my friend (and you will have two July 1s so to speak) but residencies know that they are getting folks from varied settings and experiences and account for this. You will be great! #MedEdChat

vignesh doraiswamy MD @DoctorVig7 hours ago
@MedEdChat Thank you! I end up missing most of these but always read the transcript after and LOVE these chats. #MedEdchat

Daniel E. Gih MD @DrDanielGih7 hours ago
@MedEdChat T4. We're early in our experience with a curriculum that requires a "boot camp." In many places, M4 year is light and mostly elective-based, so one wonders how long it's been since they've faced clinical decision-making situations before residency. #MedEdChat

Nina Browner, MD @NinaBrowner7 hours ago
@DoctorVig @MedEdChat Huh, good to know! I always wished I had one when I trained. Especially in #neurology where we train in #IM for a year and then #neurology for 3. We usually doing senior work late PGY3. Feels important to take time and consider what makes a "good senior" #MedEdChat

Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh7 hours ago
RT @ArjaSateesh: @MedEdChat #mededchat T3 these Can be applicable to all specialties EPAs core competencies, clinical skills and profession…

MedEdBot @MedEdBot7 hours ago
RT @MedEdChat: We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts #meded #mededchat

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MedEdBot @MedEdBot7 hours ago
RT @MedEdChat: Join us again next week at 9 pm Thursday. Don't forget to suggest topics by DM or email #meded #mededchat

recovery&renewal @recover2renew3 hours ago
Please share below
widely #patientsafety #akathisia #medtwitter #medication #MedEdChat #cpd #MedStudentTwitter #Medstudent @rcgp @RCGPScotland #emergencydocs #suiciderisks @lauraloralove @Veteranfelluk @ptsdresolution @humangivens @TheScotsman @heraldscotland @CommonsHealth

Nick @NickWebb303 hours ago
RT @recover2renew: Please share below
widely #patientsafety #akathisia #medtwitter #medication #MedEdChat #cpd #MedStudentTwitter #Medstude…

The #MedEdChat Influencers
Top 10 Influential

@MedEdChat 100

@DoctorVig 65

@templeratcliffe 57

@dschattemd 42

@DanaRamlMD 29

@DrDanielGih 28

@TheRealDSrini 27

@SAStrongMD 27

@NinaBrowner 25

@GLBDallaghan 25

Prolific Tweeters

@DoctorVig 21

@MedEdChat 16

@MedEdBot 8

@ArjaSateesh 6

@TheRealDSrini 6

@NinaBrowner 5

@DrDanielGih 5

@GLBDallaghan 4

@dschattemd 4

@DanaRamlMD 3

Highest Impressions

@MedEdChat 140.9K

@DoctorVig 47.2K

@MedEdBot 21.7K

@DrDanielGih 18.2K

@TChanMD 13.6K

@SAStrongMD 7.8K

@EileenBarrettNM 6.9K

@GLBDallaghan 6.8K

@NinaBrowner 4.9K

@minor_se 4.7K

The Numbers

288.493K Impressions

95 Tweets

21 Participants

11 Avg Tweets/Hour

5 Avg Tweets/Participant

Twitter data from the #MedEdChat hashtag from Thu, February 4th 2021, 9:05PM to Fri, February 5th 2021, 5:30AM (America/New_York) – Symplur.