

CURRICULUM VITAE  
The Johns Hopkins University School of Medicine

April 14, 2019

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Alison E. Turnbull, D.V.M., M.P.H., Ph.D.

**DEMOGRAPHIC AND PERSONAL INFORMATION**

**Current Appointments**

University

2015 – present      Assistant Professor, Pulmonary & Critical Care Medicine, Johns Hopkins University School of Medicine

Other

2015 – present      Assistant Professor, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health (joint appointment)

Personal Data

Division of Pulmonary and Critical Care Medicine  
Department of Medicine  
1830 East Monument Street, 5<sup>th</sup> Floor  
Baltimore, MD 21205  
E-mail: [turnbull@jhmi.edu](mailto:turnbull@jhmi.edu)

Education and Training

Undergraduate

2002      Bachelor of Arts (B.A.), Carleton College, Northfield, Minnesota

Doctoral/graduate

2006      Doctor of Veterinary Medicine (D.V.M.), Tufts University School of Veterinary Medicine, North Grafton, MA

2006      Master of Public Health (M.P.H.), Tufts University School of Medicine, Boston, MA

2013      Doctor of Philosophy (Ph.D.) in Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

**Professional Experience**

2004 – 2005      ER/ICU Veterinary Technician, Tufts University Foster Hospital for Small Animals, North Grafton, MA

2006 – 2007      Field Program Facilitator, Participatory Disease Surveillance and Response Project for Avian Influenza Control, United Nations Food and Agriculture Organization, Indonesia

2007 – 2008      Monitoring and Evaluation Field Coordinator, Participatory Disease Surveillance and Response Project for Avian Influenza Control, United Nations Food and Agriculture Organization, Indonesia

2008 – 2009      Relief Veterinarian, Banfield Pet Hospital, Bel Air, MD

2009 – 2010      Research Assistant, Hospital Epidemiology and Infection Control, Johns Hopkins Hospital, Baltimore, MD

2010 – 2013      Data Analyst, Pediatric Antibiotic Stewardship Program, Johns Hopkins University, Baltimore, MD

2014 – 2015      Instructor, Pulmonary and Critical Care Medicine, Johns Hopkins University, Baltimore, MD

2014 – 2015      Instructor, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health (joint appointment), Baltimore, MD

- 2015 – present Assistant Professor, Pulmonary and Critical Care Medicine, Johns Hopkins University, Baltimore, MD
- 2015 – present Assistant Professor, Epidemiology, Johns Hopkins University, Baltimore, MD

## PUBLICATIONS

### Original Research [OR]

1. Tamma PD, **Turnbull AE**, Milstone AM, Cosgrove SE, Valsamakis A, Budd A, Perl TM. Clinical outcomes of seasonal influenza and pandemic influenza A (H1N1) in pediatric inpatients. *BioMed Central Pediatrics*, 2010;10(1):72.
2. Tamma PD, **Turnbull AE**, Milstone AM, Lehmann CU, Sydnor ER, Cosgrove SE. Ventilator-associated tracheitis in children: Does antibiotic duration matter? *Clinical Infectious Diseases*. 2011;52(11):1324–1331.
3. Tamma PD, **Turnbull AE**, Milstone AM, Hsu AJ, Carroll KC, Cosgrove SE. (2012) Does the piperacillin minimum inhibitory concentration for *Pseudomonas aeruginosa* influence clinical outcomes of children with pseudomonal bacteremia? *Clinical Infectious Diseases*. 2012;55(6):799-806.
4. Tamma PD, **Turnbull AE**, Harris AD, Milstone AM, Hsu AJ, Cosgrove SE. Less is More: Combination Antibiotic Therapy for the Treatment of Gram-Negative Bacteremia in Pediatric Patients. *Journal of the American Medical Association Pediatrics*.. 2013;167(10):1-8.
5. Tamma PD, Tan K, Nussenblatt VR, **Turnbull AE**, Carroll KC, Cosgrove SE. Can Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF) Enhance Antimicrobial Stewardship Efforts in the Acute Care Setting? *Infection Control and Hospital Epidemiology*. 2013;34(9):990-995.
6. **Turnbull AE**, Ruhl AP, Lau BM, Mendez-Tellez PA, Shanholtz CB, Needham DM. (2014) Timing of Limitations in Life Support in Acute Lung Injury Patients: A Multisite Study. *Critical Care Medicine*. 2014;42(2):296-302.
7. **Turnbull AE**, Krall JR, Ruhl AP, Curtis JR, Halpern SD, Lau BM, Needham DM. A scenario-based, randomized trial of patient values and functional prognosis on intensivist intent to discuss withdrawing life support. *Critical Care Medicine*. 2014;42(6):1455-1462.
8. Sick AC, Tschudin-Sutter S, **Turnbull AE**, Weissman SJ, Tamma PD. Empiric Combination Therapy for Gram-Negative Bacteremia. *Pediatrics*. 2014;133(5):1148-1155.
9. **Turnbull AE**, Ruhl AP, Needham DM. Timing of limitations of life support in the intensive care unit and sequential organ failure assessment (SOFA) scores: the authors reply. *Critical Care Medicine*. 2014;42(8):e596.
10. **Turnbull AE**, Lau BM, Ruhl AP, Mendez-Tellez PA, Shanholtz CB, Needham DM. Age and Decisions to Limit Life Support for Patients with Acute Lung Injury: A Prospective Cohort Study. *Critical Care*. 2014;18(3):R107.
11. Dinglas VD, Parker AM, Reddy DR, Colantuoni E, Zanni JM, **Turnbull AE**, Nelliott A, Ciesla N, Needham DM. A Quality Improvement Project Sustainably Decreased Time to Onset of Active Physical Therapy Intervention in Acute Lung Injury Patients. *Annals of the American Thoracic Society*. 2014;11(8):1230-1238.
12. **Turnbull AE**, O'Connor CL, Lau B, Halpern SD, Needham DM. Allowing Physicians to Choose the Value of Compensation for Participation in a Web-Based Survey: Randomized Controlled Trial. *Journal of Medical Internet Research*. 2015;17(7):e189.
13. Lane-Fall MB, Collard ML, **Turnbull AE**, Halpern SD, Shea JA. ICU Attending Handoff Practices: Results from a National Survey of Academic Intensivists. *Critical Care Medicine*. 2016;44(4):690-698.
14. Halwani MA, **Turnbull AE**, Harris M, Witter F, Perl TM. Post-discharge Surveillance for Infection Following Caesarian Section: A Prospective Cohort Study Comparing Methodologies. *American Journal of Infection Control*. 2016;44(4):445-447.
15. **Turnbull AE**, Hayes MM, Hashem MD, Needham DM. Interactive online module failed to improve sustained knowledge of the Maryland Orders for Life Sustaining Treatment (MOLST) form. *Annals of the American Thoracic Society*. 2016;13(6):926-932.

16. **Turnbull AE**, Davis WE, Needham DM, White DB, Eakin MN. Intensivist-reported facilitators and barriers to discussing post-discharge outcomes with ICU surrogates: A qualitative study. *Annals of the American Thoracic Society*. 2016;13(9):1564-1552.
17. Wang R, Cosgrove SE, Tschudin-Sutter S, Han JH, **Turnbull AE**, Hsu AJ, Avdic E, Carroll KC, Tamma PD. Cefepim Therapy for Cefepime-Susceptible Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae Bacteremia. *Open Forum Infectious Disease*. 2016; 3(3):ofw132.
18. **Turnbull AE**, Sahetya SK, Needham DM. Aligning Critical Care Interventions with Patient Goals: a Modified Delphi Study. *Heart & Lung: The Journal of Acute and Critical Care*. 2016; 45:517-524.
19. Hodgson CL, **Turnbull AE**, Iwashyna TJ, Parker AM, Davis WE, Bingham CO, Watts N, Finfer S, Needham DM. Clinician and Researcher Perspectives on Core Domains in Evaluating Post-Discharge Patient Outcomes after Acute Respiratory Failure. *Physical Therapy Journal*. 2017;97(2):168-174.
20. Eakin MN, Patel Y, Mendez-Tellez P, Dinglas VD, Needham DM, **Turnbull AE**. Patients' outcomes after acute respiratory failure: A qualitative study of survivors' experience using the PROMIS framework. *American Journal of Critical Care*. 2017; 26(6):456-465.
21. **Turnbull AE**, Sepulveda KA, Dinglas VD, Bingham CO, Needham, DM. Core Domains for Clinical Research in Acute Respiratory Failure Survivors: An International Modified Delphi Consensus Study. *Critical Care Medicine*. 2017;45(6):1001-1010.
22. Needham DM, Sepulveda KA, Dinglas VD, Chessare CM, Friedman LA, Bingham III CO, **Turnbull AE**. Core outcome measures for clinical research in acute respiratory failure survivors: an international modified Delphi consensus study. *American Journal of Respiratory and Critical Care Medicine*. 2017;196(9):1122-1130.
23. **Turnbull AE**, Hashem MD, Rabiee A, To A, Chessare CM, Needham DM. Evaluation of a strategy for enrolling the families of critically ill patients in research using limited human resources. *PLoS ONE*. 2017;12(5):e0177741.
24. **Turnbull AE**, Chessare CM, Coffin, RK, Needham DM. A brief intervention for preparing ICU families to be proxies: A phase I study. *PLoS ONE*. 2017;12(10):e0185483.
25. Dinglas VD, Chessare CM, Davis WE, Parker A, Friedman LA, Colantuoni E, Bingham CO, **Turnbull AE**, Needham DM. Perspectives of survivors, families, and researchers on key outcomes for research in acute respiratory failure. *Thorax*. 2018; 73(1): 7-12.
26. **Turnbull AE**, Dinglas VD, Friedman LA, Chessare CM, Sepulveda KA, Bingham CO, Needham DM. A Survey of Delphi Panelists after Core Outcome Set Development Revealed Positive Feedback and Methods to Facilitate Panel Member Participation. *Journal of Clinical Epidemiology*. 2018; 102:99-106.
27. **Turnbull AE**, Sahetya SK, Colantuoni E, Kweku J, Nikooie R, Curtis JR. Inter-rater agreement of intensivists evaluating the goal-concordance of preference-sensitive ICU interventions. *Journal of Pain and Symptom Management*. 2018;56(3):406-413.
28. Konig C, Matt B, Kortgen A, **Turnbull AE**, Hartog CS. What matters most to sepsis survivors: a qualitative analysis to identify specific health-related quality of life domains. *Quality of Life Research*. 2018; In Press.
29. Detsky ME, Kohn R, Delman AM, Buehler AE, Kent SA, Ciuffetelli IV, Mikkelsen ME, **Turnbull AE**, Harhay MO. Patients' Perceptions of Quality of Life Following Critical Illness: Associated Patient Characteristics and Predictions Made by ICU Physicians and Nurses. *Journal of Critical Care*. 2018; 48:352-356.
30. **Turnbull AE**, Chessare CM, Coffin, RK, Needham DM. More than one in three proxies do not know their loved one's current code status: An Observational Study in a Maryland ICU. *PLoS ONE*. 2019; 14(1): e0211531.
31. **Turnbull AE**, Hayes MM, Brower RG, Colantuoni E, Sharma Basyal P, White DB, Curtis JR, Needham DM. The effect of documenting prognosis on the information provided to ICU proxies: A randomized trial. *Critical Care Medicine*. 2019; In Press.

## Review Articles [RA]

1. **Turnbull AE**, Rabiee A, Davis WE, Nasser MF, Venna VR, Lolitha R, Hopkins RO, Bienvenu OJ, Robinson KA, Needham DM. Outcome Measurement in ICU Survivorship Research from 1970-2013: A Scoping Review of 425 Publications. *Critical Care Medicine*. 2016;44(7):1267-1277.
2. Rabiee A, Nikayin S, Hashem MD, Huang M, Dinglas VD, Bienvenu OJ, **Turnbull AE**, Needham DM. Depressive symptoms after critical illness: a systematic review and meta-analysis. *Critical Care Medicine*. 2016;44(9):1744-1753.
3. Robinson KA, Davis WE, Dinglas VD, Mendez-Tellez PA, Rabiee A, Sukrithan V, Yalamanchilli R, **Turnbull AE**, Needham DM. A systematic review finds limited data on measurement properties of instruments measuring outcomes in adult intensive care unit survivors. *Journal of Clinical Epidemiology* 2016 Nov 16. pii.0895-4356(16)30626-6.
4. Nikayin S, Rabiee A, Hashem MD, Huang M, Bienvenu OJ, **Turnbull AE**, Needham DM. Anxiety Symptoms in Survivors of Critical Illness: A Systematic Review and Meta-Analysis. *General Hospital Psychiatry*. 2016; 43:23-29.
5. **Turnbull AE**, Sahetya SK, Daugherty Biddison EL, Hartog CS, Rubenfeld GD, Benoit DD, Guidet B, Gerritsen RT, Tonelli MR, Curtis JR. Competing and conflicting interests in the care of critically ill patients. *Intensive Care Medicine*. 2018. 44(10):1628-1637.
6. **Turnbull AE**, Bosslet GT, Kross EK. Aligning ICU Care with Patient Values in the United States: Past, Present, and Future. *Lancet Respiratory Medicine*. 2019; In Press.

## Editorials [ED]

1. **Turnbull AE**. Fear, Numbers, and Measles. *Health Communication*. 2011;26(8):775-776.
2. **Turnbull AE**, Parker AM, Needham DM. Supporting small steps toward big innovations: the importance of rigorous pilot studies in critical care. *Journal of Critical Care*. 2014;29(4):669-670.
3. **Turnbull AE**, Neufeld KJ, Needham DM. Contradictory findings on 1-year mortality following ICU delirium. *Critical Care*. 2015;19(29).
4. Bosslet GT, Hart JL, **Turnbull AE**. The importance of showing our work: process transparency in dispute resolution. *Annals of the American Thoracic Society*. 2019. In Press.

## Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL]

1. Hayes MH, **Turnbull AE**, Zaeh S, White DB, Bosslet GT, Wilson KC, Thomson CC. Responding to Requests for Potentially Inappropriate Treatments in Intensive Care Units. *Annals of the American Thoracic Society*. 2015;11(1):1697-1699.
2. **Turnbull AE**, Hartog, CS. Goal-concordant care in the ICU: a conceptual framework for future research. *Intensive Care Medicine*. 2017;43:1847-1849.

## Media Releases or Interviews [MR]

## Other Media (Videos, Websites, Blogs, Social Media, etc.) [OM]

### Publications – Publicly available datasets

1. **Turnbull, AE**, Hashem, Mohamed D, Rabiee A, To A, Chessare, C, Data associated with the *PLoS ONE* publication 'Evaluation of a strategy for enrolling the families of critically ill patients in research using limited human resources' by Turnbull et al. 2017; doi:10.7281/T1/FN9EH6 Johns Hopkins University Data Archive Dataverse, V1.
2. **Turnbull, Alison E.**; Chessare, Caroline M.; Coffin, Rachel; Needham, Dale M., 2018, "Data associated with the *PLoS ONE* publications "A Brief Intervention for Preparing ICU Families to be Proxies: A Phase I Study" and "More than one in three ICU proxies do not know their loved one's current code status," doi:10.7281/T1/4AJ8Y1, Johns Hopkins University Data Archive Dataverse

## CLINICAL ACTIVITIES

### Clinical Focus

I have been an active participant in Johns Hopkins Ethics Committee consults and monthly meetings since 2012. I have led consults since becoming a committee member in 2015. As a committee member I serve as team leader tasked with responding to pages  $\geq 4$  weeks each year, and as a team member  $\geq 4$  weeks each year. As service is within the ethics committee is voluntary and uncompensated.

### Teaching

#### Classroom instruction

2010	Healthcare Epidemiology, Teaching Assistant, Johns Hopkins Bloomberg School of Public Health
2010 – 2011	Fundamental of Epidemiology, Teaching Assistant, Johns Hopkins Krieger School of Arts and Sciences
2012	Data Analysis Workshop I & II, Teaching Assistant, Johns Hopkins Bloomberg School of Public Health
2012	Math, Money, and the Mind: Controversies in Medical Decision Making, Dean's Teaching Fellowship, Instructor, Johns Hopkins Krieger School of Arts and Sciences
12/8/15	Decisions about Patients who are Critically Ill or Dying for class 552.606.01: Ethics of Healthcare Decision-Making: Theory and Practice; Lecturer, JHBSPH
11/21/17	Decisions for Patients who are Critically Ill or Dying, Johns Hopkins Bloomberg School of Public Health, class 700.623: Ethics and Decision-Making in Clinical Practice, Lecturer

#### CME instruction

8/13/16	Shared Decision-Making and Responding to Family Requests in the ICU, Current Practices & Future Directions in Pulmonary, Critical Care and Sleep Medicine (Santa Fe, NM), Lecturer
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#### Workshops / seminars

##### *JHMI/Regional*

12/2/15	The Unbefriended Patient: Grand Rounds, Division of Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine
1/8/16	Interpreting Clinical Trials, Presentation for Johns Hopkins Pulmonary and Critical Care fellows, Lecturer
4/22/16	Primary palliative care in the MICU: Presentation for palliative care fellows, Lecturer
5/3/16	End-of-life care in the ICU: Research challenges, ATS postgraduate course: PG4-Palliative Care in the ICU: Clinical, ethical, and research challenges; Presentation, Lecturer
12/20/16	Patient Spirituality and the Receiving of Spiritual Care in the Hospital, Johns Hopkins Ethics for Lunch Case Presentation and Discussion
1/19/17	Helping Prepare ICU Families to Make Decisions: A Phase I study, Johns Hopkins Division of Pulmonary and Critical Care Medicine Lung Research Conference
1/20/17	Helping Prepare ICU Families to Make Decisions: Presentation for Johns Hopkins Palliative Care Fellows, Lecturer
12/14/17	Responsible Peer Reviewing of RCTs, Division of Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine
1/18/18	Surrogates, Agents, and Guardians: The Roles and Rights of ICU Families, Presentation for Johns Hopkins Pulmonary and Critical Care Fellows, Lecturer

- 1/23/18 Surrogates, Agents, and Guardians: The Roles and Rights of Families in the Hospital, Lecturer for MedStar Health Baltimore, MD
- 3/23/18 ICU Patient/family engagement: How will we know when we're doing it well? Presentation for Johns Hopkins Palliative Care Fellows, Lecturer
- 2/22/19 Trials of Prompting Intensivists to Offer Palliative Options. Presentation for Johns Hopkins Palliative Care Fellows, Lecturer
- 4/13/19 Social media and science: the do's, the don'ts, and the doo-dos. Workshop for the D.C. Science Writers Association Professional Development Day, Panelist

*National*

- 5/13/16 *End-of-life care in the ICU: Research challenges*. ATS postgraduate course presentation, San Francisco, CA, USA
- 11/16/17 Core Outcome Measures for Clinical Research in Acute Respiratory Failure Survivors: An International Modified Delphi Consensus Study, ATS Critical Care Journal Club Presentation

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

- 2011 – present Member, Johns Hopkins University, Outcomes After Critical Illness & Surgery (OACIS) Research Group
- 2012 – 2015 Guest, Johns Hopkins Hospital, Hospital Ethics Committee
- 2015 – present Member, Johns Hopkins Hospital, Hospital Ethics Committee
- 2012 – present Inpatient Working Group, Johns Hopkins Hospital, Maryland Medical Orders for Life-Sustaining Treatment (MOLST)
- 2012 – 2016 Research Collaborator, Johns Hopkins University Armstrong Institute, Gordon & Betty Moore Foundation, Libretto project
- 2013 – 2016 Research Collaborator, Johns Hopkins University Armstrong Institute, Emerge Project

Editorial Activities

Editorial Board appointments

- 2018 – present *Annals of the American Thoracic Society* – Editorial Board Member

Journal peer review activities

- 2012 – present *Intensive Care Medicine* – reviewer

Professional Societies

- 2019 – present Member of the American Thoracic Society's Ethics and Conflict of Interest Committee

RECOGNITION

Awards, Honors

- 2002 Magna Cum Laude, Carleton College
- 2002 Awarded Honors for Academic Excellence in Biology and Senior Thesis, Carleton College
- 2004 – 2005 The Agnes Varis Scholarship for students of public health, Tufts School of Veterinary Medicine
- 2008 Robert Dyar Memorial Award, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health
- 2010 Doctoral Seminar Award for Scholarship, Creativity, and Conversational Courage, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health
- 2010 – 2013 Johns Hopkins Sommer Scholar, Johns Hopkins Bloomberg School of Public Health

- 2012 – 2013 Dean's Teaching Fellowship for developing and teaching the undergraduate seminar *Math, Money, and the Mind: Current Controversies in Medical Decision Making*, Johns Hopkins University
- 2014 American Thoracic Society International Conference Abstract Scholarship, Assembly on Critical Care
- 2014 Inducted to Alpha Chapter of the Delta Omega Public Health Honor Society

#### Invited Talks

##### *JHMI/Regional*

- 4/16/14 *Family Participation in Treatment Decisions for our Sickest Patients*, Johns Hopkins Hospital Department of Social Work Grand Rounds, Johns Hopkins Hospital, Baltimore, MD USA
- 5/31/18 *The Right Thing Measured Poorly: An Epidemiologist's View of Patient-Family Engagement in the ICU*. Multi-Departmental Critical Care Core Curriculum Series, University of Maryland Medical Center, Baltimore, MD, USA
- 6/15/18 *Shared Decision Making in the ICU: When Most of the Options are Bad*. Patient-Provider Collaboration Conference, Johns Hopkins University, Baltimore, MD, USA
- 3/11/19 *What Do ICU Families Know, and When Do They Know It? : Trialing Interventions to Help Families Ask, and Doctors Tell*. Monthly Palliative Care Discussion Series, School of Nursing, Johns Hopkins University, Baltimore, MD, USA
- 4/11/19 *You Can't Choose Wisely in the ICU if You Don't Know There's a Choice*. Weekly Research Rounds, Center for Child and Community Health Research, Johns Hopkins University, Baltimore, MD USA

##### *National*

- 3/13/14 *Solving Research Problems in Palliative Medicine: Official Resources and Creative Partnerships*, American Academy of Hospice and Palliative Medicine Annual Assembly, San Diego, CA, USA
- 5/21/14 *What Should be the Role of Primary Care Physicians in ICU Decision Making?*, ATS International Conference, San Diego, CA, USA
- 11/4/16 *Improving Long-Term Outcomes Research For Acute Respiratory Failure*. The United States Critical Illness and Injury Trials Group (USCIITG) annual meeting, Bethesda, MD, USA
- 5/24/17 *Reaching International Consensus on Long-Term Outcomes Measures for Acute Respiratory Failure*. ATS International Conference, Washington, DC, USA
- 2/28/18 *Post-Discharge Outcomes and their Importance to Patients, Family Members, and Researchers*. 47<sup>th</sup> Critical Care Congress, San Antonio, TX, USA
- 5/11/18 *The Right Thing Measured Poorly: An Epidemiologist's View of Patient-Family Engagement in the ICU*. Division of Pulmonary, Critical Care, and Sleep Medicine Grand Rounds, Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 1/9/19 *The Right Thing Measured Poorly: An Epidemiologist's View of Goal-concordant Care*. Medicine Grand Rounds, DC Veteran's Affairs Medical Center, Washington, DC, USA
- 1/28/19 ATS Journal Club Podcast on *Control of Confounding and Reporting of Results in Causal Inference Studies*

##### *International*

- 2/28/17 *Core Domains for Clinical Research in Acute Respiratory Failure Survivors*. International Forum for Acute Care Trialists (InFACT) annual meeting, Whistler, BC, Canada
- 11/16/18 *Reaching Agreement on HOW to measure*. 7<sup>th</sup> Meeting of the Core Outcome Measures in Effectiveness Trials (COMET) Initiative, Amsterdam, The Netherlands

## Abstracts

1. Tamma PD, Turnbull AE, Milstone AM, Cosgrove SE, Carlson A, Perl T. Clinical Outcomes of Seasonal Influenza and Pandemic Influenza A H1N1 in Pediatric Inpatients. Infectious Diseases Society of America Annual Assembly, Vancouver, Canada, 2010.
2. Tamma PD, Turnbull AE, Milstone AM, Lehmann CU, Sydnor EM, Cosgrove SE. Ventilator-associated tracheitis in children: Does antibiotic duration matter? Pediatric Grand Rounds, Johns Hopkins Medical Institution, 2011.
3. Halwani MA, Turnbull AE, Harris M, Maragakis LM, Witter F, Perl TM. Post-discharge Surveillance for Infection Following Caesarian Section: a Prospective Cohort Study Comparing Methodologies. Society for Healthcare Epidemiology of America (SHEA) Annual Scientific Meeting, Atlanta, USA, 2011.
4. Tamma PD, Turnbull AE, Milstone AM, Hsu AJ, Carroll KC, Cosgrove SE. Does the piperacillin minimum inhibitory concentration influence clinical outcomes of children with Pseudomonas bacteremia? Translational Science Meeting, Washington D.C., 2012.
5. Ruhl AP, Turnbull AE, Sevransky JE, Shanholtz CB, Pronovost PJ, Needham DM. Timing of Limitations In Life Support: A Prospective Evaluation in Acute Lung Injury Patients. American Thoracic Society Annual Conference, San Francisco, USA, 2012.
6. Turnbull AE, Ruhl AP, Lau BM, Mendez-Tellez PA, Shanholtz CB, Needham DM. The Role of Age And Comorbidity In Limitation Of Life Support For Patients With Acute Lung Injury. American Thoracic Society Annual Conference, Philadelphia, USA, 2013.
7. Turnbull AE, Ruhl AP, Lau BM, Mendez-Tellez PA, Shanholtz CB, Needham DM. Timing of Limitations in Life Support in Acute Lung Injury Patients: A Multi-Site Study. American Thoracic Society Annual Conference, Philadelphia, USA, 2013.
8. Turnbull AE, Krall JR, Ruhl AP, Curtis JR, Halpern SD, Lau BM, Needham DM. A scenario-based, randomized trial of patient values and functional prognosis on intensivist intent to discuss withdrawing life support. American Thoracic Society Annual Conference, San Diego, USA, 2014.
9. Parker A.M, Dinglas VD, Reddy DR, Colantuoni E, Zanni JM, Turnbull AE, Ciesla N, Needham DM. A Quality Improvement Intervention Sustainably Decreases Time to First Physical Therapy Intervention In Acute Respiratory Distress Syndrome Patients. American Thoracic Society Annual Conference, San Diego, USA, 2014.
10. Nasser MF, Venna VR, Rabiee A, Nallagangula A, Turnbull AE. Measures of physical activity limitations in ICU survivors: A systematic review. Third Annual Johns Hopkins Critical Care Rehabilitation Conference, Baltimore, USA, 2014.
11. Malhotra S, Turnbull AE, Mugańlinskaya N. Who's Who and What Do They Do? MedStar Health Research Symposium, USA, 2015.
12. Turnbull AE, Sahetya SK, Hashem MD, Needham DM. Expanding ICU stakeholder participation in the Delphi method: the Critical Care Aligned with Patient Goals project. American Thoracic Society Annual Conference, San Francisco, USA, 2016.
13. Zaeh S, Hayes MM, Turnbull AE. Barriers to House Staff Comfort Discussing MOLST Forms. American Thoracic Society Annual Conference, San Francisco, USA, 2016.
14. Zaeh S, Hayes MM, Rand CS, Turnbull AE. Why are Some House Staff Uncomfortable Discussing MOLST Forms with Patients? Partnering with Patients in Decision Making, Baltimore, USA, 2016.
15. Turnbull AE, Rabiee A, Hashem M, Shaear M, To A, Chessar C, Coffin R, Needham DM. Preparing Medical ICU Proxies to Partner in Shared Decision-Making: A Pilot Study, Partnering with Patients in Decision Making, Baltimore, USA, 2016.
16. Turnbull AE, Davis WE, Needham DM, White DB, Eakin MN. Intensivist-reported facilitators and barriers to discussing post-discharge outcomes with ICU surrogates: A qualitative study, Partnering with Patients in Decision Making, Baltimore, USA, 2016.
17. Turnbull AE, Chessare C, Coffin R, Needham DM. Preparing Families of Critically Ill Adults to Communicate with Clinicians: A Phase I Study. International Conference on Communication in Healthcare & Health Literacy Annual Research Conference, Baltimore, USA, 2017.
18. Turnbull AE, Chessare C, Coffin R, Needham DM. Preferred use of Life Support as Reported by Proxy Decision-Makers of Critically Ill Adult Patients. International Conference on Communication in Healthcare & Health Literacy Annual Research Conference, Baltimore, USA, 2017.



19. Teply ML, Singh AL, Sharma Basyal, P, Turnbull, AE. Intensivist Religiosity and Perceived Conflict During a Simulated Family Meeting. Annual Assembly American Academy of Hospice and Palliative Medicine. Boston, MA, USA, 2018.
20. Turnbull AE, Chessare CM, Coffin RK, Needham DM. A Brief Intervention for Preparing ICU Families to be Proxies: A Phase I Study. 47<sup>th</sup> Critical Care Congress, San Antonio, TX, USA, 2018.
21. Turnbull AE, Chessare CM, Coffin RK, Needham DM. More than one in three ICU proxies do not know their loved one's current code status. 47<sup>th</sup> Critical Care Congress, San Antonio, TX, USA, 2018.
22. Rawal H, Nikooie R, Al-Ani A, Vasishta S, Rabiee A, Turnbull AE, Needham, DM, Dinglas, VD. How Do Trauma ICU Follow-Up Studies Report Participant Retention Data? A Systematic Review. 48<sup>th</sup> Critical Care Congress, San Diego, CA, USA, 2019.
23. Wadood Z, Al-Ani A, Nikooie R, Raman V, Vasishta S, Nunna K, Rabiee A, Turnbull AE, Needham, DM, Dinglas, VD. Participant Retention in Studies of Acute Respiratory Failure Survivors: A Systematic Review. 48<sup>th</sup> Critical Care Congress, San Diego, CA, USA, 2019.