

Recovery After Critical Illness

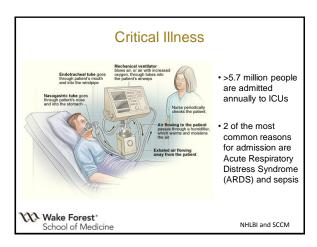
Rita Bakhru, MD, MSCE Pulmonary/ Critical Care Medicine Wake Forest School of Medicine

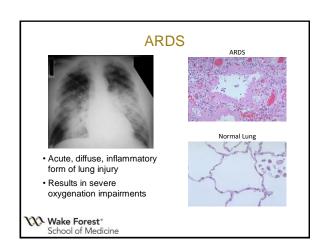
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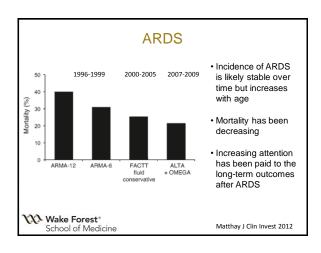
Objectives

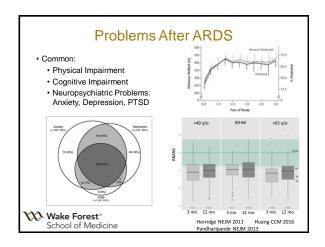
- To describe the long-term effects of critical illness
- To define PICS
- To introduce our ICU Recovery Clinic
- To describe the SCCM's THRIVE Initiative -> CAIRO

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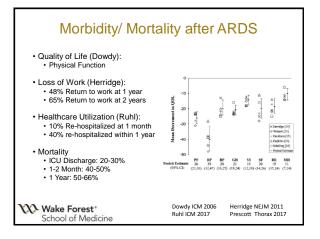


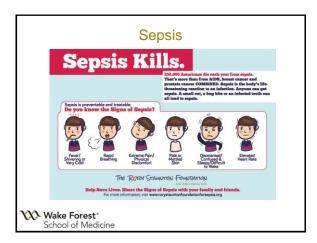
Problems after ARDS

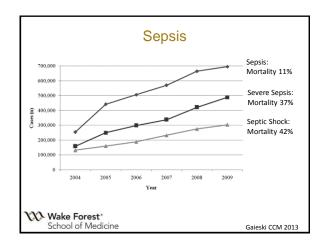
- Other:
 - · Weight loss, malnutrition
 - Dysphagia, hoarseness
 - · Chronic pain
 - Sexual dysfunction
 - Rashes, hair loss
 - · Sleep disturbance
- Wake Forest

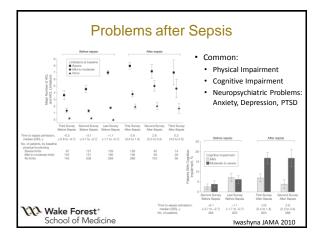
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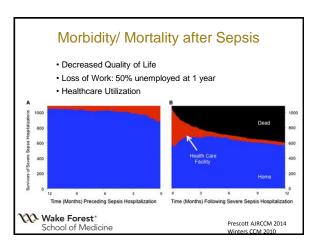
- New Reports:
 - High Rates of Incident Diabetes
 - Development of significant chronic co-morbidities

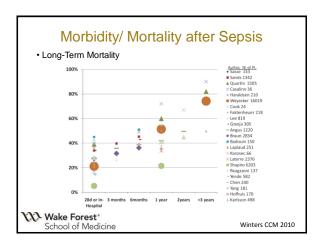


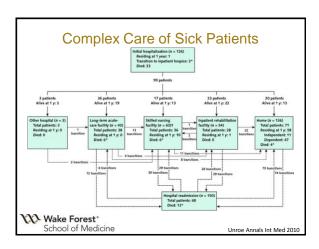


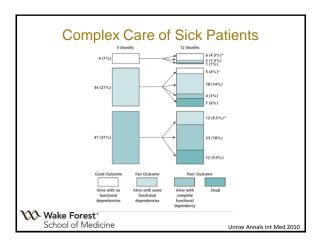


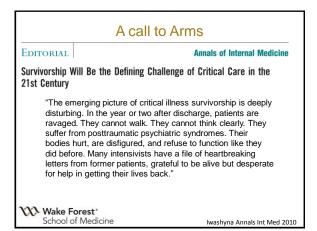


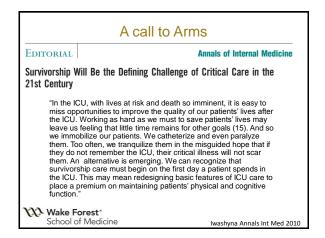


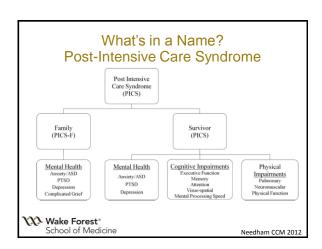












Recovery Clinic Wake Forest ICU Survivor's Clinic

- · Reasons:
 - · Wanted to see if we could help bridge a perceived gap in care
 - · Wanted to learn what problems our patients faced after critical illness
 - · Simultaneous Research Agenda

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Background of ICU Recovery Clinics

- 1998: Reading, UK
 - "Intensive After Care After Intensive Care"
- 2006 UK Survey:
 - 30% of hospitals in UK, many nurse-led
 - · all felt under-resourced

Wake Forest School of Medicine Waldmann Curr Anaesthesia & Crit Care 1998 Griffiths Anaesthesia 2006

Background of ICU Recovery Clinics



Our ICU Recovery Clinic Structure

- · Screening: Convenience Sampling
 - · Inclusion Criteria:
 - · Septic Shock and/or ARF requiring MV >24 hrs

 - Exclusion Criteria
 - · Bedbound or Wheelchair Bound
 - · Active cancer on treatment Discharged to SNF or LTACH
- · Scheduling of Appointment

Change in Personnel Over Time:

- MICU Research Nurse
- · Critical Care Clinical Pharmacist
- Added Exclusion Criteria:
- Active Drug Use Significant Travel (>90 mins)

Change in Scheduling: 7-10 days to 21-30 days

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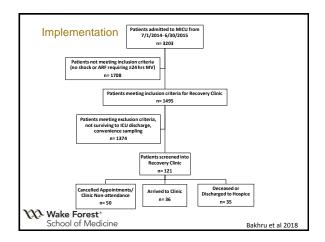
Our ICU Recovery Clinic Structure

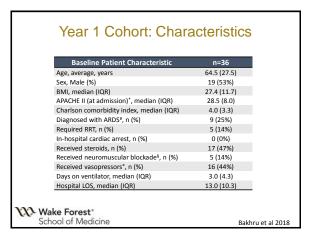
Visit to Clinic

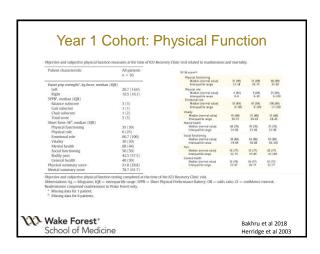
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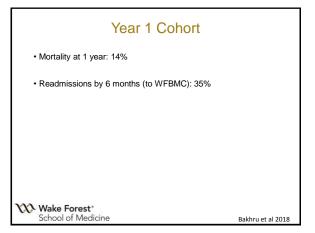
- Pharmacy Assessment- BCCP or resident pharmacist
- Physician Visit- Attending +/- fellow
 - · Physical function
 - · Includes SPPB, handgrip as standard of care
 - · Memories from ICU
 - · Assessment of resolution of organ failures
 - · Need for referrals, prescriptions, and management of gaps in care
 - · Explanation of expected recovery from critical illness
- · Study Participation if consented (after year 1 of ICU RC)

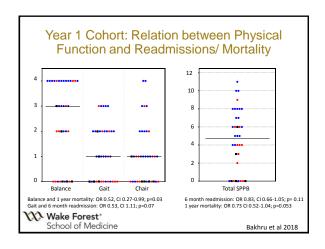
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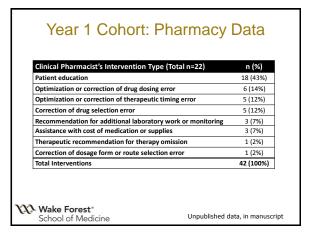


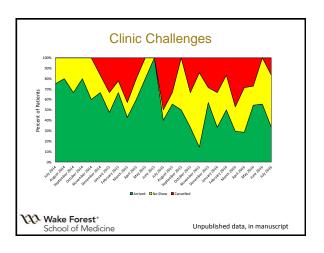


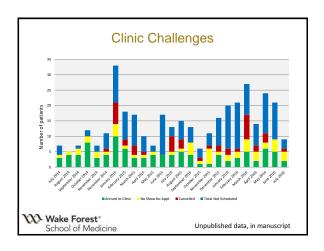


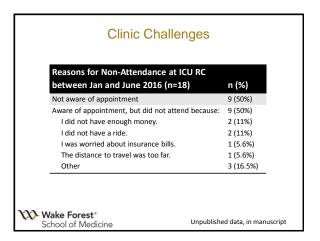












SCCM's THRIVE Initiative



Every year, millions of Americans survive critical illness; but despite the efforts of their ICU, many are left with ongoing problems. The current health care system often does not meet the needs of these survivors, or their families, during their weeks to years of recovery. SCCM seeks to improve patient and family support after critical illness through the THRIVE Initiative.

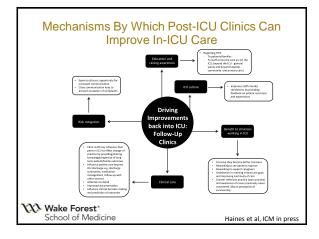
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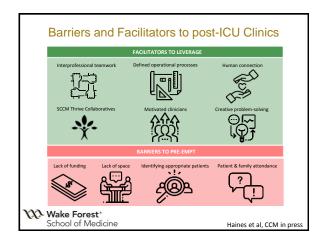
SCCM's THRIVE Initiative



- We joined the Post ICU Clinic Collaborative in 2017
- 10 sites total -> now a total of 18
- We are working with a variety of sites on advancing care of patients recovering from critical illness.

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Thanks to everyone!

- · Critical Care Research Team:
 - D. Clark Files, Kevin Gibbs, Jessica Palakshappa, Peter Morris
 - · James Davidson, Sheetal Gandotra, Alexis Smith
 - Rebecca Bookstaver, Michael Kenes, Kristin Welborn and our ICU Clinical Pharmacy Team
 - Mary LaRose, Lori Flores, Lina Purcell
 - · Carolann Young, Shannon Shields
 - Oksana Creech, Alison Bode
 - CTSI Research Coordinator Pool

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Post-ICU Recovery

• THRIVE: SCCM initiative to help increase awareness of and research into recovery after critical illness



- https://www.youtube.com/watch?v=T03palv4mYU
 - THRIVE: Live after the Intensive Care Unit
- https://www.youtube.com/watch?v=DU7Ax-xaDiw
 - THRIVE: Wellness After the ICU

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