through residency with the clearly articulated program mission.

3. Increase the number of realistic and achievable clinical goals set by residents as they approach independent practice.

Curricular Design: Our residency leadership team developed an ILP tool that prompts residents to reflect on their opportunities for growth in context of our program’s mission statement. Our program organized a novel ILP around our three pillars of EM: expert diagnostician, master resuscitationist, and skilled advocate. This creates a scaffold on which the residents can build goals beyond longer-term career goals. To further support self-reflection and goal setting we paired the ILP with a clinical coaching program. Faculty-resident pairs reviewed and refined resident ILP’s in advance of their semi-annual residency leadership meeting.

Impact: Early feedback from faculty coaches and learners has been uniformly positive as the tool seems to better guide self-reflection in context of the program’s values. In addition, the tool and coaching program have enhanced residents’ abilities to set meaningful goals to move their clinical skills forward that are more specific and attainable.

3 A Design-Thinking Framework to Develop a Successful-Student Led Academic Conference

David Gordon, Paarth Jain, Robert Pugliese, Bon Ku, Morgan Hutchinson

Introduction/Background: Within a pre-clinical design-thinking course, medical students created a student-led academic medical conference. Throughout the course, students researched and developed ideas to improve acute sepsis diagnosis and care, mentored by emergency medicine physicians. Using the “design-thinking” methodology practiced through their course, students organized and executed all facets of an academic conference to pilot a new venue for capstone presentations and demonstrate the design process.

Educational Objectives: This conference planning process supported LCME educational performance objectives related to presenting research. The stepwise process discussed here may be used as a model for others wishing to mentor students to create an academic conference complementary to their programs and create leadership opportunities for students.

Curricular Design: Students self-organized into teams and ideated on components of a successful conference. Design thinking cycles of ideation, iteration, and implementation served as a basis for planning. In addition to serving as a vehicle for students to present their capstone research, the conference was a formative learning experience for students in academic event management and leadership. Students reflected on teamwork following the experience via a debrief.

Impact/effectiveness: Planning efforts culminated with the hybrid “Redesigning Sepsis Care” academic conference. Students coordinated all logistical aspects of planning, including invitations, graphic collateral, promotion, speaker management, run-of-show, and project management. Student
organizers and faculty were satisfied with the quality of the conference and would participate again. This suggests that the design-thinking process effectively enabled students to organize and manage the event. With the success of this conference-planning trial, a similar student-initiated conference will be included within the course curriculum.

4 A Novel Sustainable QI Residency Elective
Madison Miracle, Katharine Weber, Bhargavi Checkuri

Introduction/Background: While the climate crisis remains a serious public health emergency, the US healthcare sector produces >10% of its greenhouse gas emissions. Harm from these emissions is on par with harm from medical errors and thus a safety and quality of care issue. Currently no standardized GME interventions exist that address the relationship between climate change, sustainability, and quality improvement (QI)—nor the vital role of physicians in this space.

Objectives: Describe the healthcare sector’s climate impact Apply sustainable clinical practice principles Measure ‘sustainable value’ using a multi-dimensional approach.

Curricular Design: The University of Colorado launched a novel climate medicine residency elective in 2021. Competencies and learning objectives were outlined by faculty experts. Accepted residents meet virtually with the elective director to narrow scope, goals, and objectives. This method allows for flexibility, meeting residents at their level of expertise and accommodating residents’ clinical duties. This resident’s elective was focused on sustainable QI (SUSQI). Didactics, literature, conferences, networking, modules, and weekly meetings were used to teach, identify and define a capstone QI project. Collaborating with staff, the resident independently designed and implemented an insulin waste reduction project in her ED with pre/post-intervention data.

Impact/Effectiveness: Despite the substantial contribution the healthcare sector makes to global emissions, hospital SUSQI measures are lacking. This curriculum provides innovative tools to support resident-driven healthcare sustainability while fulfilling ACGME requirements and can be utilized by other medical educators to increase awareness and support hospital sustainability initiatives of impact. The potential for SUSQI initiatives to drive institutional cost saving interventions while improving community health solidifies the importance of our innovative approach to climate medicine and applicability to GME.

5 A Simulation-Based Randomized Controlled Trial on Teaching Best Practices in Firearm Safety
Jake Hoyne, Andrew Ketterer

Introduction/Background: Americans’ high rate of gun carriage correlates to the burden of firearm injury in the USA. Previous studies show that emergency providers (EPs) are at risk of encountering firearms in or around the emergency department (ED). Only a minority of EPs report familiarity with firearms, creating a safety risk if an EP is required to remove a firearm from the clinical care space. There is a clear need for firearm safety curricula directed at EPs.

Objectives: To train EPs in the principles of safely handling firearms with the goal of removing a firearm from the clinical care space.

Curricular Design: Using Kern’s 6-step approach, a critical action checklist was developed by emergency medicine faculty in collaboration with local police, validated in a pilot study, and an instructional video was created to teach these key concepts. Simulation was chosen to allow for hands-on training and skills assessment. The scenario was chosen to allow for a patient with undifferentiated altered mental status. During their evaluation, participants discovered a firearm that they...