Building Capacity for Highschool Students to be Backcountry Medical Providers
Allison McGuire

SHE, HER

President of Bosque School
Medical Reserve Corps
Madison Dressler

Co-President of Bosque School
Medical Reserve Corps

SHE, HER
Young wilderness medical First Responder/EMT confronted with their first complicated wilderness medical situation since they took their initial training 18 months ago. Patient fell and sustained internal thoracic injuries requiring airway management. As a program manager, how confident are you in the skills of the provider to deal with the situation?
Our Model

- Student led and founded

- Mentorship Program

- Having them use those skills on a weekly basis
Keeping Skills
Physician Supervision

Dr. Mike Richards
- Vice Chancellor for Clinical Affairs

*Expanded scope of practice under NM EMS regulations*
Mentorship of experienced providers with younger students and pairing of providers to build confidence and hone skills
Patient Care in a School Setting

- Emergency issues of rapid onset illness/injury
- Maintenance of sports injuries/rehabilitation through work with athletic trainer
- Daily care of long term patients with diabetes and asthma
Monthly Case Reviews

QA/QI- Quality Assurance/Quality Insurance

13-15 calls a month (have had up to 30 calls)
<table>
<thead>
<tr>
<th>Average Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>~20 licensed members</td>
</tr>
<tr>
<td>Daily chronic care- diabetes</td>
</tr>
<tr>
<td>13-15 on campus activations</td>
</tr>
<tr>
<td>1-2 standby events</td>
</tr>
<tr>
<td>1-2 community events with UNM-MRC/FEMA</td>
</tr>
</tbody>
</table>
Standby Events and Community Events
Outdoor Deployments
Outdoor Deployment

- Single day field excursions for science classes
  - Students with long term care needs
- 3-5 day backpacking trips
- Car camping trips/day hikes
- Winterim weeks
  - Experiential learning in the community
Lessons Learned from Our Model

High School students CAN deliver high quality medicine in school and wilderness settings, however, physician medical control is critical to success and legitimacy of program.
Backboard training
Airway Training
Steps You Can Take
Asses readiness and patient care numbers for each of your wilderness medicine providers in your organization and if numbers are low consider:

- Community based health care initiatives such as MRC affiliation
- Providing assistance to community fundraisers by staffing first aid stations
- School or other community based location to provide medical services on an ongoing basis

Start a program that engages high school students as interns within your own program as they train and become wilderness medicine providers
Questions?
Building Capacity for Highschool Students to be Backcountry Medical Providers
Thank you!