

Addressing Community Confidence and Ability in Achieving Hemorrhagic Control Following Injury in Sundance, Wyoming



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Hypothesis

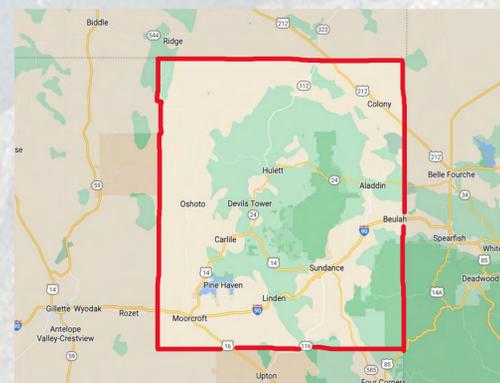
- Improve community confidence and ability to achieve hemorrhagic control during an emergency in Crook County, Wyoming using the Stop the Bleed program



Postcard of Sundance, Wyoming, 1907

Background

- Crook County: 2,865 mi², population of 7,584
- 27% more injury related deaths than US Top Performers
- Construction & Extraction Operations – mining, quarrying, agriculture, farming, ranching
- One community hospital: Sundance
- Community members express concern with distance to emergency care



Map of Crook County, Wyoming

Community Profile: Assets

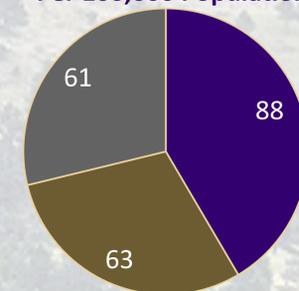
- CCMSD Health Fair & Lab Draw – hosted annually or biannually. Opportunity for collaboration & community engagement
- Access & Functional Needs (AFN), within Crook County Public Health, addresses access to care for vulnerable populations
 - Transportation services
 - “Unable to Self-Evacuate” Bags (WIND partnership)
 - Prior: CPR Training via Red Cross

Literature Review

- Stop the Bleed B-con Training Course
 - 1 hour training vs. training via point of care visual / audio instruction
 - Implementation of stepwise mastery, deliberate practice
- Strengths: 100% mastery following instruction; 75.9% retention at 3-9 months
- Limitations: Small group learning sizes, controlled scenarios, study sample sizes

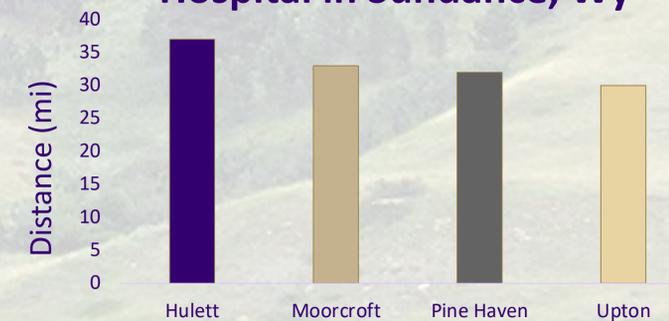
Injury Related Deaths

Per 100,000 Population



U.S. Top Performers Weston County Crook County

Distance to Crook County Community Hospital in Sundance, Wy



Towns in Crook County

Conclusions

- Stop the Bleed B-con course proves to be a very effective modality for hemorrhagic control training for laypersons
 - Stepwise mastery & deliberate practice can still be done within the normal hour class time
 - Requires funding for supplies: course materials & kits for distribution to attendees
- Crook County Public Health via AFN branch has committed to implementing Stop the Bleed training in conjunction with CCMSD’s annual health fair
 - Training course & personal kit including a tourniquet will provide community members with the skills & tools to effectively respond to life threatening bleeding during an emergency before EMS arrives