

Curriculum Development in LVHN with School District Partnerships

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Curriculum Development in LVHN with School District Partnerships

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Background

- Contracted schools are wanting more from their relationship with Lehigh Valley Health Network (LVHN)
 - Presentations for the general well being of the students
 - Educational opportunities for students in the field of healthcare
 - Career exploration for all students
- Currently, LVHN has a strong relationship through supplying the schools with athletic trainers



Photo courtesy of LVHN Department of Education
Student athletic trainer practicing ankle support techniques on a fellow student

Methods

Gather information on the different educational programs that are being run in various branches of LVHN.

Evaluate the educational programs being run and identify gaps and overlaps.

Distinguish and sort information about programs into different categories so that it may be presented to schools.



Photo courtesy of LVHN Department of Education
Physicians observing a student on the surgical practice robot

Conclusion

- Summarizing all the educational outreaches in LVHN
 - Enriches the educational opportunities for students from contracted school districts
 - Encourages schools to choose LVHN as their healthcare partner
 - Allows LVHN to have more community outreach through the students



Photo courtesy of LVHN Department of Education
Med Evac crew with students during the "Emerging Healthcare Professionals" program

Results

| Wellness | Topic | Target Age Group | Description |
|----------|---|------------------|---|
| | Adolescent Depression Awareness Program | High School | In two 45 minute sessions students will be presented a school-based curriculum designed to educate about adolescent depression and remove the stigma commonly associated with mental illness. |
| | Who Do You Trust? | Grades 8-12 | One 45-60 minute session where students will have a straightforward and honest presentation about the choices they make regarding sexual contact. Sexually transmitted infections (STI's) and other consequences are discussed. |
| | Heroin: How Did I Get Here? | High School | One 45-60 minute session. Today anyone can be a heroin addict—a high school honor roll student, an athlete, a young professional, or a famous actor. This program educates students on the dangers of prescription opioid misuse and how it can lead to a heroin addiction |
| | Vape and E-Cigarette Education | Grades 7-12 | One 45-60 minute session. The CDC reports a 78% increase in vaping by high school and middle school students, which is over 3.6 million students. This program educates students, parents, and school personnel on the potential health risks associated with vaping and e-cigarette use. |
| | First Aid | Grades 6-12 | Students will be educated on the primary topics of first aid. These may include, but are not limited to: cuts and scrapes, choking, burns, head trauma, and heat stroke. |
| | Opioid Simulation Lab | High School | Students and school personnel will experience the simulation of a person who has overdosed on opioids from the moment they overdose through their treatment in the hospital. Following the simulation is a presentation that discusses the common misconceptions about opioid use as well as a firsthand account from someone who is currently in recovery. |

| Sports Medicine | Topic | Target Age Group | Description |
|-----------------|-------------------------------------|------------------|--|
| | Concussions | High School | A certified professional from LVHN will present to student-athletes and coaches so that they may better understand what a concussion is, what the symptoms are, the treatment of a concussion, and some long term effects of untreated concussion. |
| | Sports Cardiology | High School | Athletes will be educated on heart healthy habits and sports related cardiology conditions such as sudden cardiac death. Topic can be tailored to meet the specific wants and needs of the school. |
| | Injury Prevention | High School | A demonstration of injury preventative movements will be demonstrated and then observed by the LVHN professional to assure the comprehension of the movement. Each movement will be explained in detail as to what injuries it is working against and what muscles are being engaged. Topic can be tailored to meet the specific wants and needs of the school. |
| | Illness Prevention and Skin Lesions | High School | Teams spend a great amount of time together, but when one member gets sick, it can spread like wildfire. Student-athletes and coaches will be educated on proper habits to lower the spread of illness amongst team members. This may include but is not limited to: cold and flu, ringworm, and viral infections. Topic can be tailored to meet the specific wants and needs of the school. |
| | Steroids | High School | The FDA estimates that 5% of high school males and 3% of high school females have used anabolic steroids at least once in their life. This presentation would educate student-athletes on the negative effects of steroid usage and how it will affect their body in the long term. Topic can be tailored to meet the specifics wants and needs of the school. |

| Career Exploration and Development | Topic | Target Age Group | Description |
|------------------------------------|---------------------------------|------------------|---|
| | Mini Medical School | Grades 7-12 | A month long program for those wishing to explore the healthcare field or just gain more knowledge. Students will attend 4 meetings within a month about a topic that changes annually. They will engage with experts to learn about preventative, diagnostic, and therapeutic topics. One time demonstrations can be arranged. |
| | Sports Medicine Day | High School | Students will have the opportunity to explore a variety of different career paths from the field of sports medicine. These may include but are not limited to Physical Therapy, Athletic Training, Occupational Therapy, and Orthopedic medicine. |
| | Healthcare Career Discovery Day | High School | Students are able to converse with professionals from a variety of healthcare fields so that they may gain a better understanding of what one professional may do versus another. Topic may be tailored to fit the specific wants and needs of the school. |
| | In-Class Demonstrations | High School | A LVHN professional may attend a class specific to their profession and provide a demonstration on a relevant topic to their current curriculum. This may include but is not limited to: anatomy demonstrations by a surgeon, demonstration of the surgical robots for the robotics club, a psychologist working through a mock case with students, etc. Topic may be tailored to fit the specific wants and needs of the school. |
| | Women in Medicine | Grades 7-12 | A variety of female LVHN professionals, such as physicians, nurses, technicians, administrators, and directors, will allow students to ask them about what they do to contribute to the LVHN organization. Topic can be tailored to meet the specific wants and needs of the school. |
| | Mock-Interviews and Feedback | High School | A representative from Human Resources would educate students on how to conduct themselves in an interview, proper dress, and key points to highlight on their resume. Students can then participate in a mock interview and get feedback on their resume and presentation of themselves. Topic can be tailored to meet the specific wants and needs of the school. |
| | Career Fair Involvement | High School | LVHN representatives will attend a school's career fair. The representatives will present on the variety of career opportunities available at LVHN as well as have materials to further inform students. |