

PROGRAM PROFILE

PROGRAM NAME: STEM (Stanford / SCCMA Transformative Experience in Medicine)
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Faculty advisor:	Program location: San Jose, CA
Year Founded: 2010	Program Dates: Spring 2010
Contact name: Duy Dao / Shawn Lin	Contact email: dtdao@stanford.edu , shawnlin@stanford.edu
Populations served: San Jose High School Students	Program Website:

GOALS AND OBJECTIVES / BRIEF DESCRIPTION

The STEM program (Santa Clara County Transformative Experience in Medicine) offered high school students from underrepresented backgrounds an opportunity to explore the health care profession. Our hope was that this program would encourage underrepresented students from San Jose to pursue a career in medicine and to serve the future healthcare needs of the community.

The three consecutive Saturday events introduced students to three different specialties: primary care, general surgery, and cardiology. The structure of each day consisted of: an opening ice breaker activity, 1-2 health professional-led presentations & discussions, and 2-3 hands-on activities led by Stanford medical students. On the last day of the series, parents were invited to a luncheon celebrating the completion of the program and a panel of Stanford medical students and undergraduates talked about their experiences on the path to becoming a physician.

PROGRAM ACTIVITIES

Taking Vitals	Sheep Heart Dissection	CPR
Suturing and Surgical Knots	'Scopes and Reflexes	The path to medical school

PROGRAM CHALLENGES

Long term sustainability	Facilities and staffing	Medical supplies
Finding enthusiastic speakers	Transportation	

OUTCOMES

See Attached

COLLABORATIVE PARTNERS (Can be on-campus organizations , academic departments, student organizations at other campuses, community health organizations and other partners)

Santa Clara County Medical Association	Red Cross of Palo Alto
Vaden Health of Stanford University	Stanford Medical School

Optional data (may include eligibility and selection criteria, acceptance and completion rates, participation by school, race/ethnicity, region, age group, class level.)

Participant Data

- 63** Applicants
- 25** Participants
- 40%** Acceptance Rate
- 3.6** Average GPA (Accepted Applicants)

Ethnicity		Schools Represented
Asian	7	St. Francis
African American	2	Evergreen Valley
Hispanic / Native American	2	Piedmont Hills
Indian	2	Independence
Pakistani	2	Andrew P. Hill
Vietnamese	2	Leigh
Bengali	1	Harker
Filipino	1	Woodside
Persian	1	Milpitas
Sikh	1	Homestead
White	1	Fremont

	Target	Avg.
Survey Question		
I learned a great deal about medicine by participating in this program.	10	9.1
I have a better idea of the challenges of the medical field.	10	9.1
I would recommend this program to a friend.	10	9.2
I felt that the program was well-organized.	10	9.3
Before participating in this program, I definitely wanted to become a doctor.	-	6.9
After participating in this program, I definitely want to become a doctor.	10	8.4
After participating in this program, I plan to work harder in school to achieve my career goals.	10	8.9
Overall, I felt the content / teaching of the program was (5 is perfect):	5	6.3
Overall, I felt the number of days in the program was (5 is perfect):	5	4.3
Overall, I felt the quality of the speaker section of each day was:	10	8.4
Overall, I felt the quality of the interactive activities of each day was:	10	8.7
Overall, I felt the quality of the staff was:	10	9.0

Feedback

“Thomas told me it was so fun, interesting, and very educational today. He loves it and looks forward for the next week meeting. I don't know what you and your group did this morning but you should be proud of yourself. It was very successful. I took 3 kids home this morning and they were all excited. They all wished you have more than 3 meetings planned.

For my Thomas, I know he is capable to pursue the medical profession but he is afraid of it. The meeting helped him so much. He actually said to us today that he wants to become a 'primary care doctor'. What is the difference it makes. WOW.” - Hung Le