

## CWSF 2014 - Windsor, Ontario



### Vidhi Desai

#### What is the H. pylori Asso. Disease Burden in a N. Canadian Aboriginal Community

**Challenge:** Health

**Category:** Senior

**Region:** Wood Buffalo

**City:** Fort McMurray, AB

**School:** Westwood Community High School

**Abstract:** The aim of this data analysis project is to assess the H. pylori associated disease burden in a Northern Canadian Aboriginal Community; to do this, I compared data collected from medical records to self-reported data collected using a structured questionnaire (clinical questionnaire) and urea breath test (UBT) screening to see how they differed.

#### Biography

My name is Vidhi Desai and I am currently a grade 12 student at Westwood Community High School. This is my first time at the Canada Wide Science Fair and I am honored that I was given the opportunity to attend. My hobbies include reading, listening to music, and I have taken classes in classical Indian dancing. In my spare time I enjoy volunteering and I have been involved with the Mayor's Advisory Council on Youth, MACOY, and the regional hospital. I am also a mentor through the Big Brothers Big Sisters of Wood Buffalo. During the summer of 2013, I was involved with a program known as the Heritage Youth Researcher Summer Program, HYRS, where I worked at a research lab in the University of Alberta for six weeks. This was where I was inspired to conduct a research project on H. pylori. In the future, I want to conduct similar projects in other communities so that I am able to compare the analyses and have conclusive results. My advice to students that are thinking about doing a project is that they should pick a subject that they are passionate about, everything else will fall into place after that.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040