

# Global Oral Health Symposium

## *NDA/SNDA Model to Promote Oral Health in Haiti*

NDA Annual Convention  
NDA Global Oral Health Outreach Committee

July 21<sup>st</sup> , 2017  
Dallas, TX



# Haiti



# 2010 Earthquake



❧ January 12<sup>th</sup>, 2010 Haiti Earthquake

❧ About 300,000 Haitian died

❧ More than half of Port-au-Prince's schools, governments and administrative buildings damaged or destroyed

❧ Ministry of Health and Population infrastructure damaged

❧ Response from nations around the globe



# Effect of Earthquake on Dentistry in Haiti

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- ⌘ Before 2010 earthquake: 350 dentists in Haiti
- ⌘ Post Earthquake
  - ⌘ 2 dentists died
  - ⌘ 35 dentists lost their practice
  - ⌘ Approx. 10 dentists left the country after the earthquake

Today Haiti has about 300 dentists to serve a population of approximately 10 million people!

# Program Development



- ☞ Needs Assessment
- ☞ Engaging Stakeholders
- ☞ Building Capacity
- ☞ Listening



# Program Development



Working with local dental institution

☞ Faculté d'Odontologie d'Haïti, Haitian State University, Port-au-Prince, Haiti

☞ Needs

☞ Faculty Development

☞ Student Opportunities



# UH School of Dentistry- NDA Collaboration

∞ Develop NDA Speaker's Bureau to offer seminars

∞ Faculty-Student Exchange Program

∞ Develop curricula in the areas of Dental Public Health and Disaster Preparedness



# Characteristics of Global Service- Learning

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Students engage in

- ❧ community service activities
  - ❧ intentional academic and learning goals
  - ❧ opportunities for reflection
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- ❧ Enhances students' classroom learning
  - ❧ Helps to develop active citizens in communities



# Tufts Global Service-learning Curriculum

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- ❧ Foster intercultural understanding and respect
- ❧ Develop civic engagement, social and cultural awareness
- ❧ Develop the knowledge and skills needed in treating underserved pops.
- ❧ Develop professionalism and ethics
- ❧ Communicate effectively with diverse populations
- ❧ Provide needed services as identified by in-country partners
- ❧ Provide opportunities for student and faculty personal and professional development

# Tufts Global Service-learning Curriculum

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- ∞ GSL Modules
- ∞ Country Presentation
- ∞ Risk mitigation plan

Not charity, but solidarity – main focus is the community in Haiti

Component of our outreach included debriefing sessions where students could express their impression of the day

# Goals



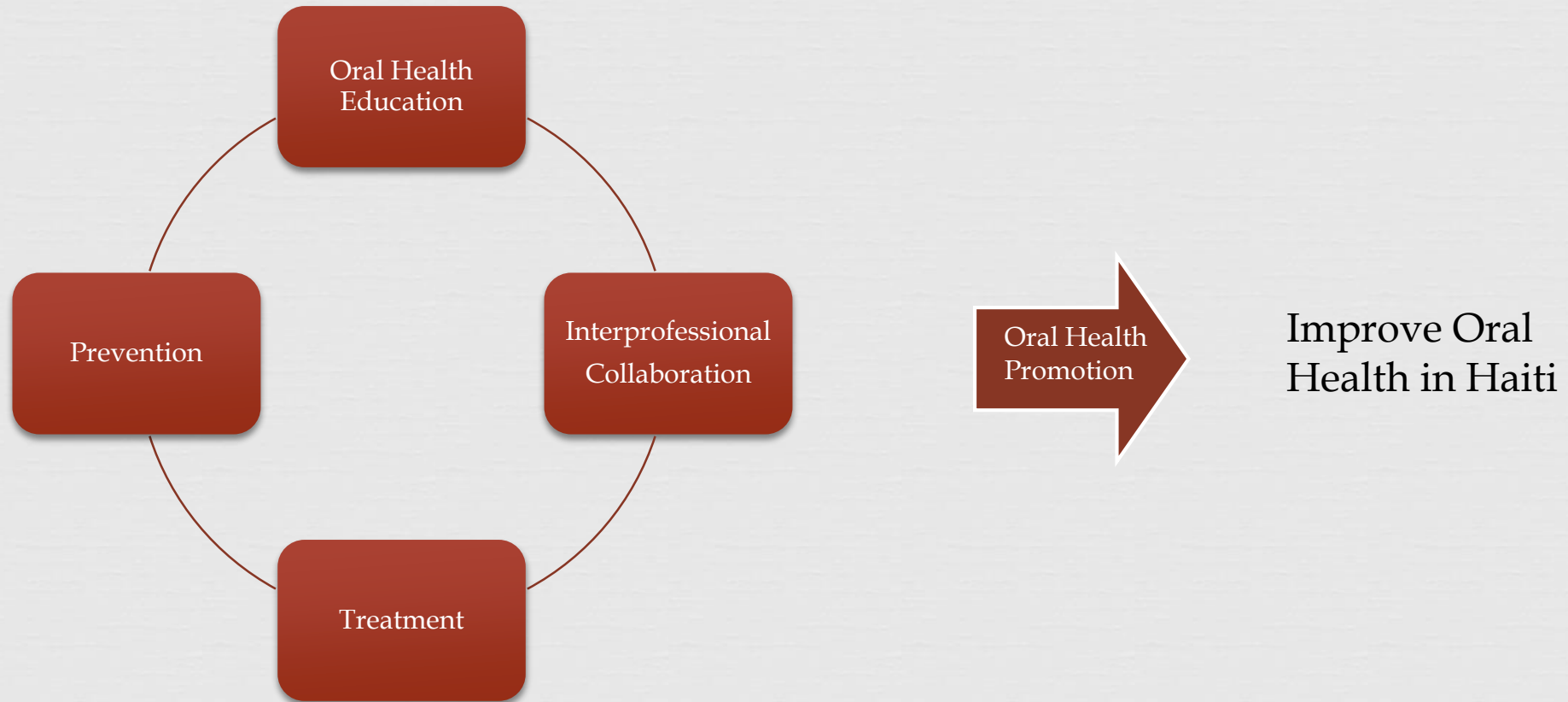
- œ Global Service-learning trip to Haiti
  - œ Develop a collaborative relationship between the National Dental Association, Tufts University School of Dental Medicine and the University of Haiti School of Dentistry
  - œ Assess the dental needs in Leogane, Haiti
  - œ Begin the process of developing a sustainable oral health prevention program for children in Leogane
  - œ Establish a training program in oral health prevention for nurses in Haiti

# Planning



- ✧ Transportation
- ✧ Lodging
- ✧ Supplies
- ✧ Food
- ✧ Support
- ✧ Emergency Mitigation Plan

# Oral Health Promotion in Haiti



# Collaboration



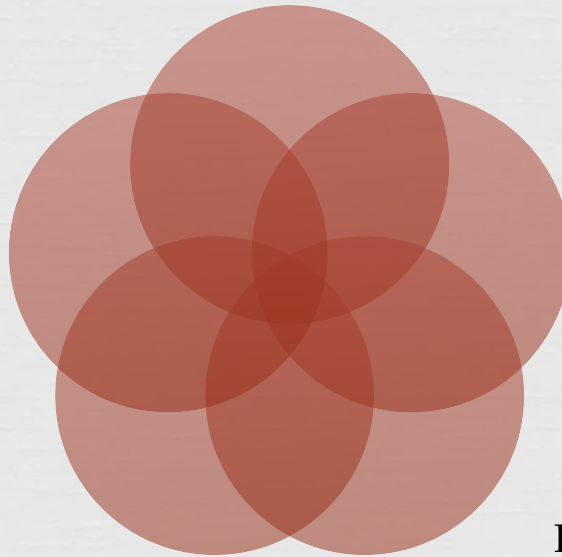
National Dental  
Association/Student  
National Dental  
Association

Saint Rock Haiti  
Foundation

Tufts University  
School of Dental  
Medicine

University of  
Haiti School of  
Dentistry

Rasin Foundation



# Outreach Team



- ❧ 6 dentists (National Dental Association and other dental colleagues)
  - ❧ Dr. Brian Swann, Chair of the NDA Global Oral Health Outreach Committee, Harvard School of Dental Medicine Faculty
  - ❧ Dr. Nicholas Gordon, Faculty Site Director for the Tufts University School of Dental Medicine SNDA Global Service Learning trip to Haiti
  - ❧ Dr. Barbara Martin, Member of the NDA Global Oral Health Outreach Committee
  - ❧ Dr. Israel Adeloje, Member of the NDA Global Oral Health Outreach Committee
  - ❧ Dr. Stephie Castera, Pediatric Dental Resident at the Miami Children's Health System/Nicklaus Children's Hospital
  - ❧ Dr. Jean Innocent, Haitian dental colleague

# Outreach Team cont.



- ❧ 5 dental students from Tufts University School of Dental Medicine Student National Dental Association (SNDA)
  - ❧ Zamone Sawyer, 2<sup>nd</sup> year dental student at Tufts University and student leader for the SNDA Global Service-learning trip to Haiti
  - ❧ Tabitha Lewis, 2<sup>nd</sup> year dental student at Tufts University
  - ❧ Jessaca York, 2<sup>nd</sup> year dental student at Tufts University
  - ❧ Stanley Ojukwu, 2<sup>nd</sup> year dental student at Tufts University
  - ❧ Matthew Downes, 1<sup>st</sup> year dental student at Tufts University



# Outcomes



- œ Dental students from Haiti and the US worked together
  - œ Oral Health Education
  - œ Oral Health Screening Exams
  - œ Dental Prophylaxis procedures
  - œ Fluoride Varnish applications'
  - œ Sealants
  - œ Atraumatic Restorative Treatment
  - œ Extractions

# Outcomes Cont.



- ❧ Oral health education and training to nurses and community health workers
- ❧ Donation of dental supplies to the University of Haiti School of Dentistry, Rasin Foundation, and St. Rock Haiti Foundation

# University of Haiti School of Dentistry

## Port-au-Prince Haiti



NDA/SNDA Delegation at the  
University of Haiti School of  
Dentistry



Dr. Brian Swann (NDA)  
presenting to faculty at  
students at the University of  
Haiti School of Dentistry

# Saint Rock Haiti Foundation

Route de Saint Rock, Diquini 63, Haiti



NDA/SNDA Delegation at the Saint Rock Haiti Foundation



NDA/SNDA Delegation speaking with community workers about preventing dental diseases

# Saint Rock Haiti Foundation

Route de Saint Rock, Diquini 63, Haiti



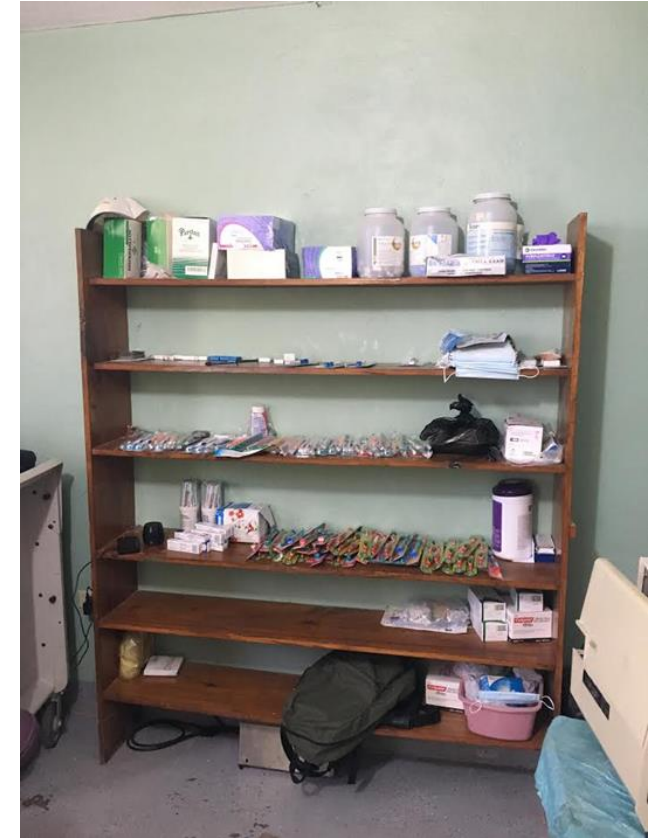
Pediatric dental resident from Miami Children's Health System, Dr. Stephie Castera providing oral health education to community workers

# Saint Rock Haiti Foundation

Route de Saint Rock, Diquini 63, Haiti



Donations from Henry Schein  
Cares presented to Saint Rock  
Haiti Foundation Staff



Toothbrushes and Fluoride  
Varnish Donations from  
Henry Schein Cares presented  
to Saint Rock Haiti Foundation

# Rasin Foundation

## Leogane, Haiti



Tufts dental student, Matthew Downes working with a University of Haiti dental student in providing oral health education to a patient

# Rasin Foundation

## Leogane, Haiti



Tufts dental student, Jessaca York conducting a dental screening exam for a patient



Tufts dental student, Tabitha Lewis and University of Haiti dental student conducting a dental screening exam for a patient



# Rasin Foundation

## Leogane, Haiti



Tufts dental student, Zamone Sawyer conducting a dental screening exam for a patient



University of Haiti dental student conducting a screening exam for a patient

# Rasin Foundation

## Leogane, Haiti



Tufts dental student, Tabitha Lewis providing dental prophylaxis treatment for a patient



University of Haiti dental students providing dental treatment under the supervision of Dr. Brian Swann

# Rasin Foundation

## Leogane, Haiti



Tufts dental student Stanley Ojukwu working with a dental student from the University of Haiti in conducting a dental screening exam



Dr. Israel Adeloje instructing Tufts dental student, Jessaca York during a dental screening exam

# Rasin Foundation

## Leogane, Haiti



Dr. Nicholas Gordon placing dental sealants for a patient



A local health professional observing Tufts dental student, Jessaca York as she conducts a dental screening exam

# Rasin Foundation

## Leogane, Haiti



Dr. Brian Swann presenting to nurses about the importance of maintaining good oral health



Dr. Barbara Martin and dental students training nurses on how to prevent dental disease

# Rasin Foundation

## Leogane, Haiti



Dr. Brian Swann presenting to nurses about the importance of maintaining good oral health

# Rasin Foundation

## Leogane, Haiti



Dr. Jean Innocent training nurses to detect dental disease



Small group training of nurses led by Dr. Nadine Robert, faculty of the University of Haiti School of Dentistry

# Rasin Foundation

## Leogane, Haiti



Dr. Israel Adeloje along with dental students discussing oral health prevention with nurses in a small group



# Rasin Foundation

Leogane, Haiti



Tufts dental student, Tabitha and Dr. Gordon with area nurses



Tufts dental students, Zamone and Jessaca with area nurses

# Rasin Foundation

## Leogane, Haiti



From Left: Pele (Rasin Foundation Health Center Manager) , Dr. Swann, Dr. Innocent, Dr. Bastien Emmanuel (Dentist at the Rasin Foundation), Dr. Gordon



Donations from Henry Schein Cares presented to the Rasin Foundation

# Rasin Foundation

## Leogane, Haiti



Dental students and faculty from Tufts University and the University of Haiti, nurses, and Rasin Foundation staff

- Characteristics of a successful Global Service-learning experience in Haiti:
  - Groundwork laid during previous trips
  - Worked with the local dental institutions
  - Listened to the needs there
  - Framed our approach in the context of Haiti

Generous Donation from Henry Schein Cares Foundation!





This presentation is dedicated to Mr. Jim Kitch, an integral member of our committee who helped lay the foundation of our work and efforts in Haiti

Thank You

