29th Medical Practicum



Upper Río Coco, Nicaragua 2-22 January 2013

Outline

- I. Medical Practicum Background
- II. Río Coco villages
- III.Clinic
- IV.Conclusion
- V. Acknowledgements

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Educate Students

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Involve U.S. medical professionals

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Involve U.S. medical professionals

Provide healthcare services in lessdeveloped country

Student Experience



Founded 1981

Founded 1981

305 students

Founded 1981

305 students

78 to medical school

Founded 1981

305 students

78 to medical school

17 to dental school

Founded 1981

305 students

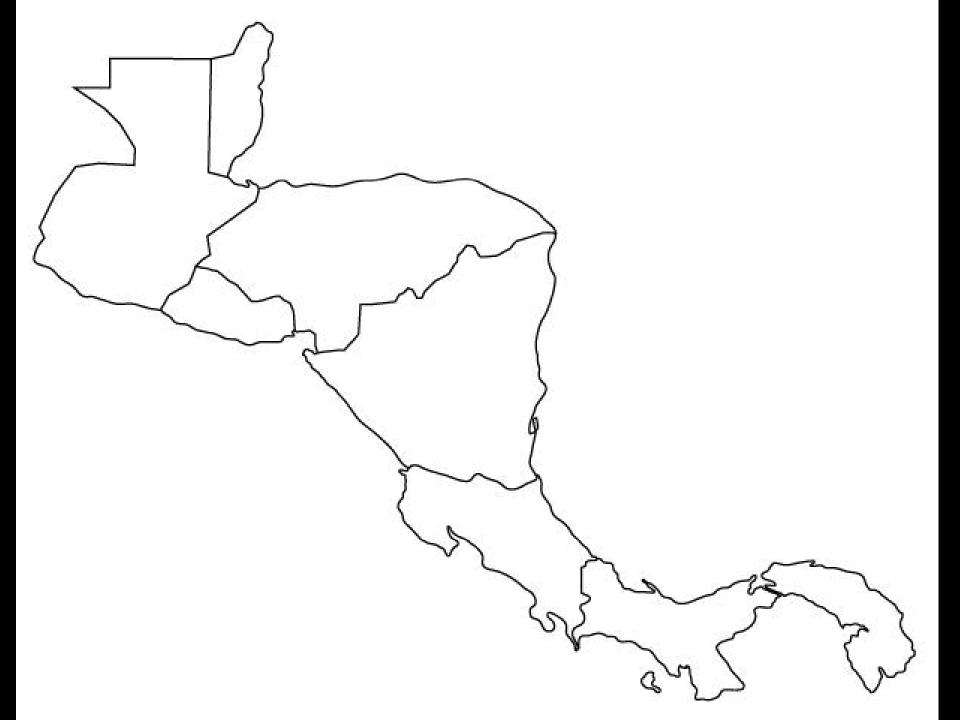
78 to medical school

17 to dental school

7 to pharmacy school

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6 million



6 million

\$1.5 billion



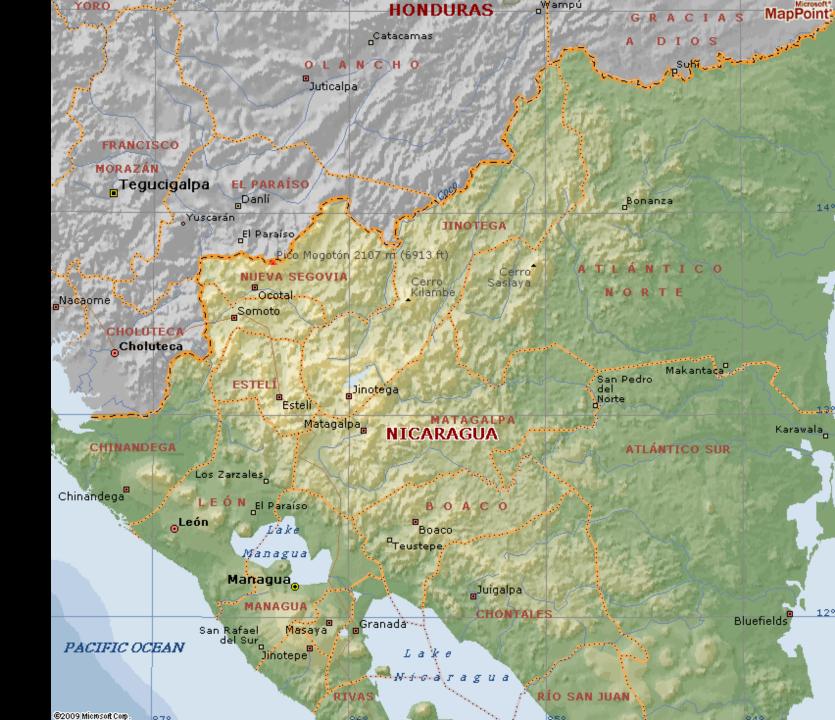
6 million

\$1.5 billion

Healthcare

free

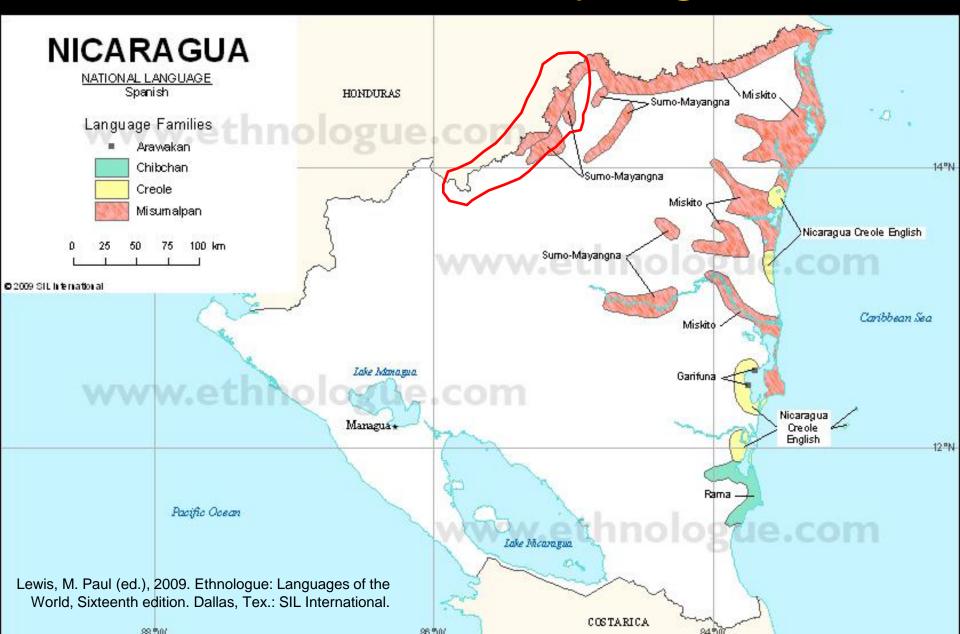




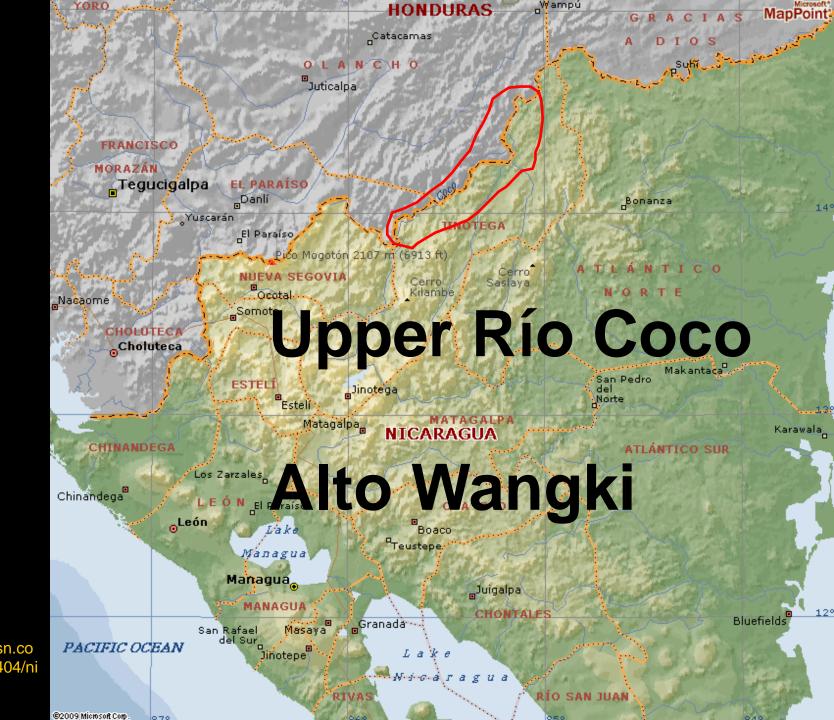
Clinic Sites

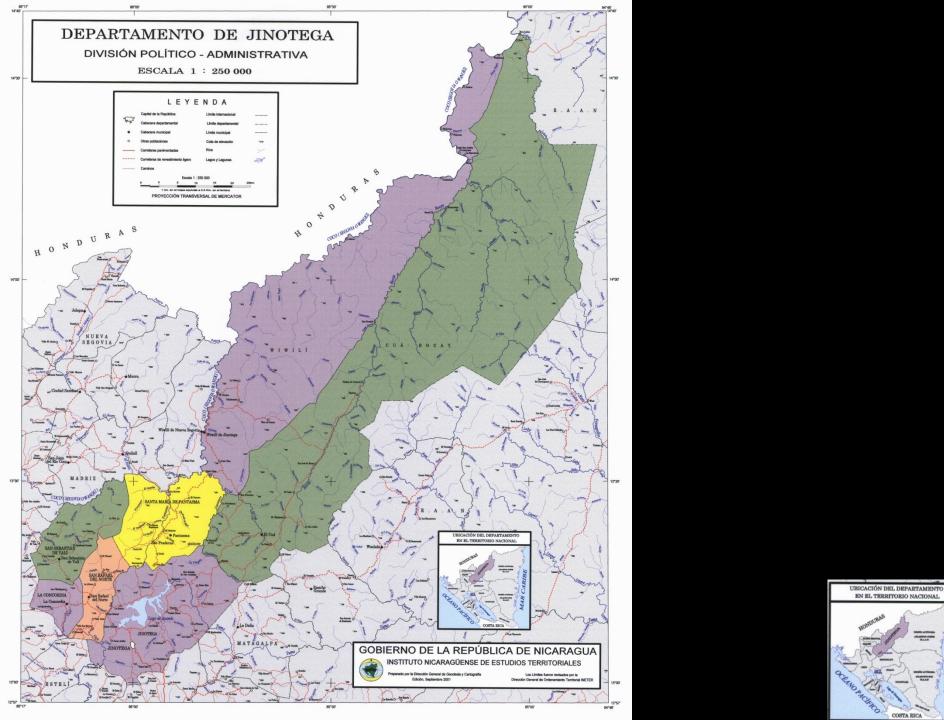


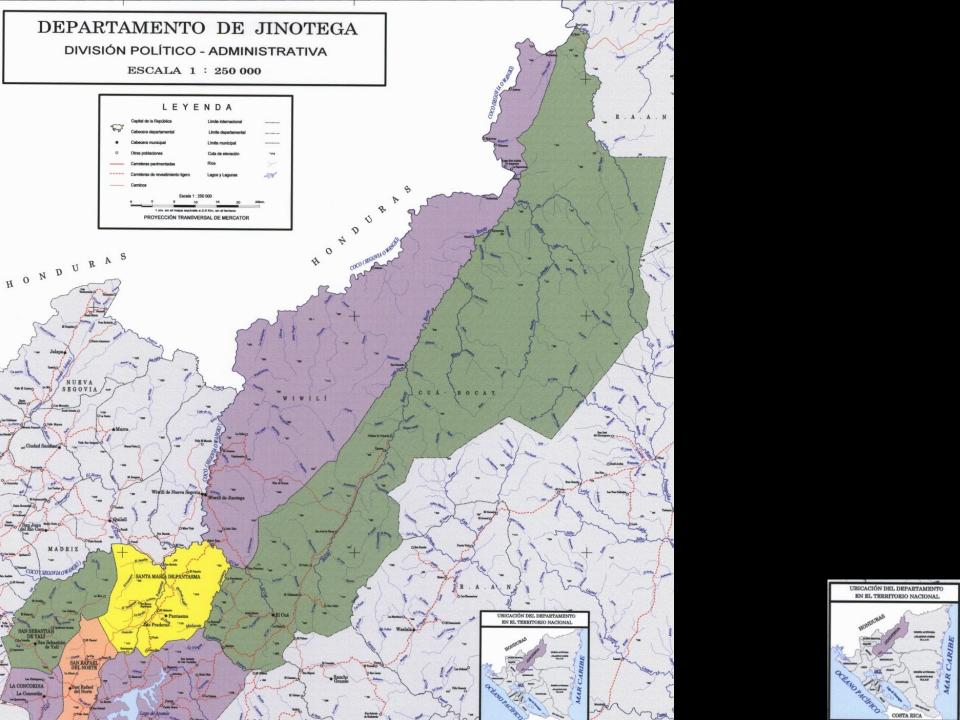
Miskito and Mayangna

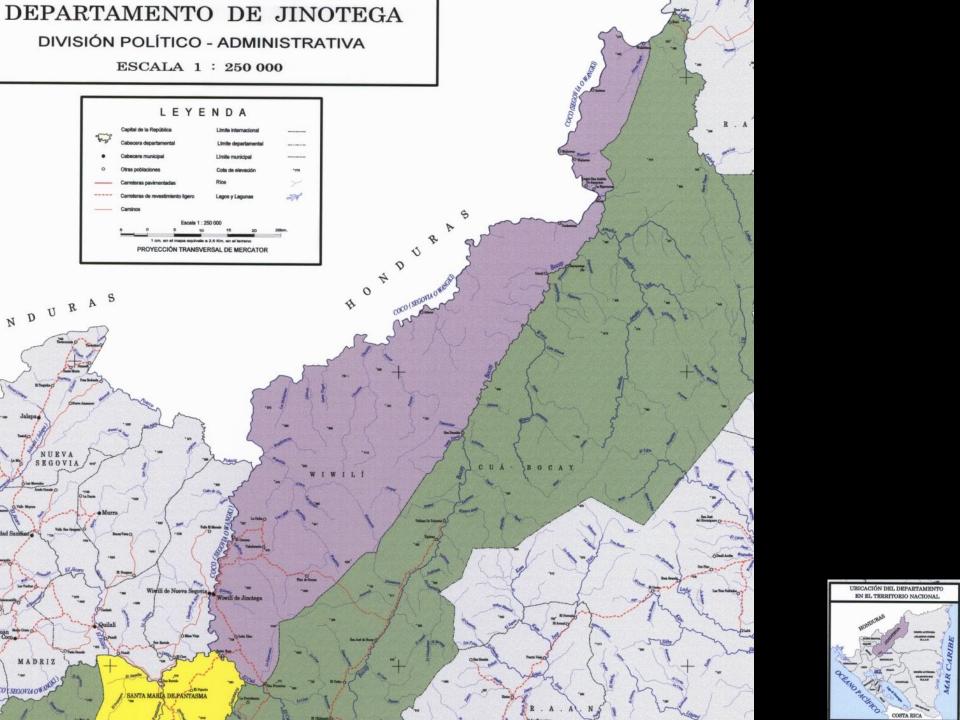






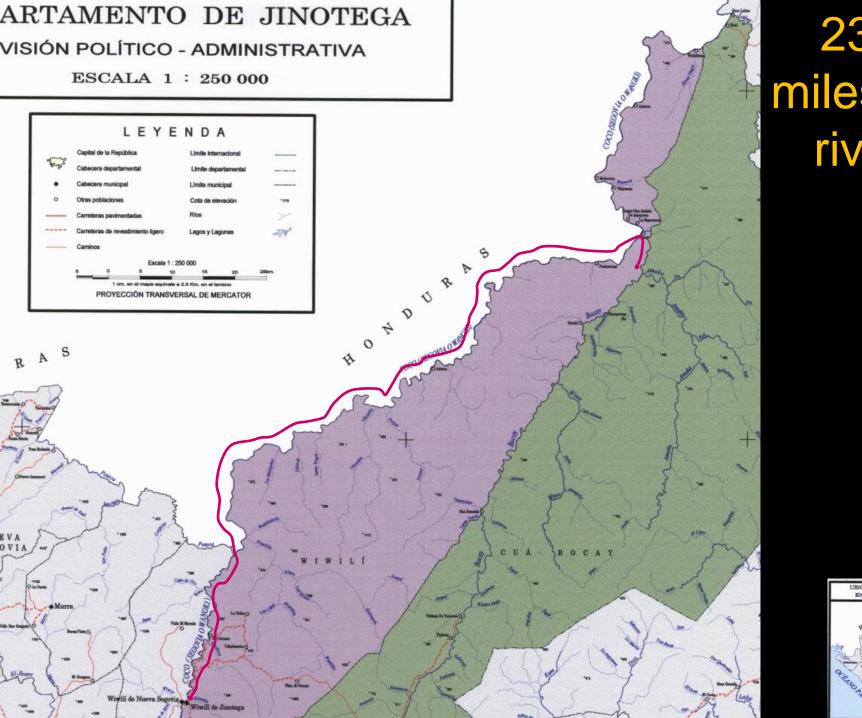












230 miles on river





miles on river

Miskito





>1,000 lbs Clinic Supplies





Cost \$10,004 Retail ≈ \$70,000 Medicines and Medical Supplies













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Clinical Rotations

- 1. Intake
- 2. Physicians
 General
 Women's Health
- 3. Pharmacy
- 4. Dentistry
- 5. Veterinarian
- 6. Lab

Intake Shelly Votauw, LPN





Intake Shelly Votauw, LPN



BMI

Hypertension

Glucose





Joel Eikenberry, M.D. '68



Joan Ordman, M.D.





Paul Fry-Miller, P.A.-C '75



Michelle Shelly, M.D.



Inspection with Acetic Acid and Cryotherapy



Ministry of Health

Dr. Hernandez



Mario



Pharmacy
Warren Hickman,
Pharm.D. '65





Therapeutic Categories

Antibiotics

Antifungals (fluconazole)

GI Health (albendazole, tinidazole, ranitidine)

Skin Conditions (ivermectin)

Arthritis and Pain (ibuprofen, naproxen)

Ear and Eye Care

Steroids (prednisone)

Vitamins (prenatal and children's)

Heart Health

Dental (articaine and epinephrine, ibuprofen)

Veterinary (eprinomectrin, ivermectin, oxytetracycline)

Grant Cylus, D.D.S.



Emilie Blough, D.V.M '04



Lab



Lab

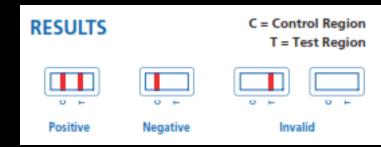


A1C H. pylori STDs Pregnancy Urinalysis

Lab



H. pylori



5-day treatment:

Amoxicillin, 1 gram bid

Metronidazole, 500 mg bid

Clarithromycin, 500 mg bid

Omeprazole, 20 mg bid

1003 medical consultations

Significant A1C, diabetes, stage I/II hypertension, BMI, *H. pylori*, STDs

185 dental patients, 287 teeth

47 cows, 142 dogs, 207 pigs dewormed

Improved relationships along Río Coco

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Conclusions

- 1. Students educated.
- 2. U.S. health care professionals involved.
- 3. Health care provided in international, lessdeveloped setting.
- 4. Service
 - A. Group served patients.
 - B. Medical professionals served students and MU.
 - C. Communities served our group.

Service



"If you have come to help me, you are wasting your time. But if you have come because *your liberation is bound up with mine*, then let us work together."

- Lilla Watson



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Acknowledgments

Medical Professionals, David Ripple

Brotherhood Mutual, Ft. Wayne

Community Foundation of Greater Ft. Wayne

N. Manchester Rotary

20 Individual Donors

Patterson Dental (Spokane)

Manchester Family Dentistry

Lhasa OMS



Brotherhood Mutual Insurance Company





Blessings International, Acción Médica Cristiana, and World Dental Relief

End