Resources for the Future
Global Antibiotic Resistance Partnership

Jane Zhao
Global Antibiotic Resistance Partnership (GARP)

- Reviewed literature on antibiotic resistance in Kenya and in China
- Visited China to collect information on antibiotic resistance there
  - Collected articles in Chinese
  - Met with Professor Xu
  - Visited hospitals
  - Inquired about levels of antibiotic resistance in a third-tier hospital in Shanghai
Policy Brief: Phage Therapy

- Part of the solution to combating antibiotic resistance
- Researched
  - History of phage therapy
  - Current research done on phage therapy
  - Clinical trials
  - Potential markets for phage therapy
  - FDA regulations
- Policy recommendations
Results

• Phage therapy is a viable solution and could be extremely successful
• Need the FDA to develop regulations relevant to bacteriophages
• Clinical trials so far have shown phage therapy to be successful in eliminating bacterial infections (both resistant and sensitive strains)
  – Need more clinical trials
• Policy recommendations are to be written by the co-author
Challenges

• Language and cultural barriers in China
  – Collecting relevant articles
  – Importance of relationships when meeting with people

• Coming up with policy recommendations for phage therapy
Reflections

• Learned so much about antibiotic resistance
• Wonderful working with RFF, Ramanan Laxminarayan, Hellen Gelband, and the other interns
• Really exciting being able to take part in writing a policy brief
• Enjoyed exploring DC and Shanghai