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Knowledge, Attitudes, and Practices used by Primary Care Providers in Antibiotic Drug Selection, United States

Technical Appendix: Tools Used to Interview Study Participants

Technical Appendix Section A				
Screening Instrument				
Antibiotic Selection — Family Practice In-depth Interviews				
Hello, my name is with a market research firm. We are talking today with physicians in the area about a public health issue. We are not selling anything We have a few brief questions and if you qualify and are interested, we will invite you to take part in an interview that will take place at a later date. To see if you qualify for an interview, need to ask you a few questions. 1. Is anyone in your immediate family employed in the following industries?				
 [IF YES TO ANY, THANK AND TERMINATE] 01 Advertising or public relations 02 Market research 03 News media – works for a newspaper, TV station, radio station or some other form of news media 04 Federal government 				
05 Pharmaceutical company 2. Which, if any, of the following describe your specialty? 01 Pediatrician [RECRUIT FOR PEDIATRIC IDIs*] 02 Family Medicine 03 Internal Medicine [RECRUIT FOR INTERNISTS IDIs] 04 Other [THANK AND TERMINATE]				
[DOCUMENT ON GRID] 3. Are you board-certified in family medicine? 01 Yes 02 No [THANK AND TERMINATE]				
4. Are you board-certified in any other specialty? 01 Yes [THANK AND TERMINATE] 02 No				
5. About what percentage of your time do you spend in direct contact with patients?				

02 Less than 50% [THANK AND TERMINATE]

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		ght Number	
City/S	tate/Zip		
	ss		
Name			
NO [I	HANK & TERMINATE]		
	HANK & TEDMINATEI		
Are yo Yes	ou willing to attend?		
	ximately 45 minutes. Because we kno ll pay you \$XXX for participating.	w your time is valuable, at the end of the discuss	ior
Your i	interview will be held on	atand will last for	
11	LASSESS AND VERIFY ABILIT	Y TO SPEAK AND UNDERSTAND ENGLIS	ПJ
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	[RECRUIT		
10	. Determine Gender		
_	OCUMENT ON GRID; NOT A SO	REENING CRITERION]	
ſR	ECRUIT A MIX]		
	05 Other		
	03 Hispanic-American 04 Asian-American		
	02 African-American		
	01 White/Caucasian		
9.	Would you please tell me your race	•	
	[DO NOT RECORD NAME ON		
	NO MORE THAN 1 RESPONDE	ENT FROM A PRACTICE OR CLINIC]	
0.	what is the business name of your p	ractice of clinic:	
Q	[THANK AND TERMINA What is the business name of your part of the control of the c		
	02 Other		
	01 In a primary care setting	[RECRUIT AT LEAST 4/MARKET]	l
7.	Is your primary work		
	[DOCUMENT ON GRID]		
	04 31 years or more [THANK AN]	TERMINATE]	
	03 21 to 30 years		
	02 10 to 20 years		
0.	01 Fewer than ten years	ractice.	
6.	How many years have you been in	HACHCE!	

Technical Appendix Section B

Worksheet: Antibiotic Selection

Please rank from 1-12. When antibiotic treatment is appropriate, how do the following impact the antibiotic that you choose to prescribe?

The antibiotic that you choose to prescribe?		
Factors for Antibiotic Selection	Influence on Antibiotic Selection	
Illness severity		
Guidelines		
Cost		
Patient request		
Sample access		
Familiarity with dosing and outcome		
Patient allergies/medical history		
Patient compliance		
Concern for antibiotic resistance		
Ease of writing		
Pharmaceutical representatives		
Patient comorbidities		
Other		
1 = most influence		
12 = less influence		
City: Date:	Time:	

Technical Appendix Section C

Clinical Vignettes

Family Practitioners

Cystitis

<u>Case Scenario:</u> You are in the Internal Medicine outpatient clinic seeing Ms. Brown, a 44-year-old female. She began to experience urgency leading to frequent urination and dysuria yesterday. Her urinalysis is positive for leukocyte esterase and reveals 20-40 white blood cells. She has no medication allergies and is otherwise healthy. You diagnose Ms. Brown with acute cystitis.

- 1. Which antibiotic would you prescribe and why (looking for nitrofurantoin, (macrodantin or macrobid), trimethoprim-sulfamethoxazole (Bactrim), Fosfomycin trometamol, Pivmecillinam)?
- 2. Data show that many of your peers choose broad-spectrum antibiotics like ciprofloxacin for this condition. Why do you think ciprofloxacin is frequently prescribed for this condition?

Internists

Sinusitis

<u>Case Scenario</u>: You are in the Internal Medicine outpatient clinic seeing Michelle, an otherwise healthy 36-year-old female, who complains of fever and increasing nasal discharge over the past 5 days after having initially recovered from a cold. She is concerned because her symptoms have been gradually getting worse. Physical exam reveals a temperature of 101.1°F, erythematous and enlarged nasal turbinates with purulent discharge on the right and tenderness over her right maxillary sinus. Her lung exam is clear. You decide that she most likely has acute bacterial rhinosinusitis.

- 1. Which antibiotic would you prescribe and why (looking for amoxicillin or amoxicillin-clavulanate (Augmentin)?
- 2. Data show that many of your peers, incorrectly, choose chose broad-spectrum antibiotics like azithromycin for this condition. Why do you think azithromycin is frequently prescribed for this condition?

NPs/PAs

Pharyngitis

<u>Case Scenario</u>: You are in the Pediatrics outpatient clinic seeing Luke, an otherwise healthy 9-year-old boy. His parents tell you that he has had severe sore throat for four days. He has fever, pharyngeal erythema, tonsillar exudate, and one enlarged anterior cervical lymph node on the right. You perform a rapid strep test and it's positive. The patient has group A streptococcal pharyngitis.

- 1. Which antibiotic would you prescribe and why (looking for penicillin or amoxicillin)?
- 2. Data show that many of your peers choose chose broad-spectrum antibiotics like azithromycin for this condition. Why do you think azithromycin is frequently prescribed for this condition?

Pediatricians

Otitis Media

<u>Case Scenario:</u> You are in the Pediatrics outpatient clinic seeing Rachel, an otherwise healthy 16-month-old girl. Her parents tell you that she has had fevers to 103°F and irritability, which started yesterday. She has been pulling at her right ear. Her parents are concerned that she has an ear infection and needs antibiotics. You've determined through a clinical exam

that the child has acute otitis media. Due to the patient's age and her certain diagnosis, you decide to prescribe an antibiotic.

- 1. Which antibiotic would you prescribe and why (looking for amoxicillin)?
- 2. Data show that many of your peers, incorrectly, choose chose broad-spectrum antibiotics like azithromycin for this condition. Why do you think azithromycin is frequently prescribed for this condition?