

APPENDIX 1: English translation of KAP survey given to healthcare providers in Mexicali, Mexico

<b><u>Rocky Mountain Spotted Fever Survey</u></b>
Survey ID#: _____ Date: __/__/____
The purpose of this survey is to gauge current knowledge, attitudes, and practices among clinicians and other health-care providers about <u>tickborne</u> diseases, and Rocky Mountain Spotted Fever (RMSF) in particular.
This survey should take no longer than 10 minutes to complete, and all responses will be anonymous. Results will be used to improve communication and guidance to healthcare providers about RMSF and other <u>tickborne</u> illnesses. There will be no negative consequences if you choose not to participate.
If you would like more information on how this survey will be used, please contact _____.
Your participation is greatly appreciated, and is completely voluntary.
General Information
1. What is your age? <input type="checkbox"/> <25 <input type="checkbox"/> 25-44 <input type="checkbox"/> 45-64 <input type="checkbox"/> 65+
2. What is your sex? <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Prefer not to answer
3. Where is your <u>medical practice</u> located (Part of City)? _____
4. What is the setting of your practice? <input type="checkbox"/> Hospital <input type="checkbox"/> Clinic <input type="checkbox"/> Pharmacy <input type="checkbox"/> Other: _____
5. What is your medical specialty? <input type="checkbox"/> Internal Medicine <input type="checkbox"/> Emergency Medicine <input type="checkbox"/> Pediatrics <input type="checkbox"/> Infectious Diseases <input type="checkbox"/> Family Medicine <input type="checkbox"/> Other: _____
6. How many years have you been practicing medicine? _____

## Rocky Mountain Spotted Fever Survey

### Part I – Attitudes and Perceptions

1. How confident are you that you have up-to-date knowledge on RMSF?

Not at all confident      Somewhat confident      Confident      Very confident

                

2. How confident do you feel in diagnosing a patient with RMSF, based on clinical symptoms alone?

                

3. How confident are you in your knowledge of what type (eg. PCR) of testing to perform for a patient in whom you suspect RMSF.

                

4. How confident are you in your knowledge of where to have diagnostic testing performed for a patient in whom you suspect RMSF.

                

4a. If you did not answer "very confident" to 4, why?

I am not sure where testing can be performed

I am not sure how to order the correct testing

I am not sure how to get the results

Other, please specify: \_\_\_\_\_

5. I believe that tickborne disease poses a serious risk to individuals in my community.

Strongly disagree      Disagree      Neither agree nor disagree      Agree      Strongly agree

                      

7. If a patient asks about RMSF or other tickborne illness, how often do you:

Rarely      Sometimes      Frequently      Always      NA

Provide the patient with educational materials                             

Discuss risk factors                             

Discuss preventative measures                             

8. Have you diagnosed a case of RMSF in the last year?

Yes

No

8a. If yes to 8, how many have you diagnosed in the past year?

\_\_\_\_\_

8b. If yes to 8, how were most diagnosed?

Clinically, without confirmatory lab testing

Clinically, with positive PCR

Clinically, with positive serology

Other, please specify: \_\_\_\_\_

9. If you diagnose a case of RMSF, how often do you:

Rarely      Sometimes      Frequently      Always      NA

Report it to the local jurisdiction                             

### Part II – Individual Practices

6. If a patient presents with a febrile illness, how often do you:

Rarely      Sometimes      Frequently      Always      NA

Ask if the person has had a tick bite in the past 2 weeks                             

Ask about ticks in the home or on pets                             

Inquire about dog ownership                             

Order one serology test for RMSF                             

Order PCR to test for RMSF                             

### Part III - Knowledge

10. What percent of patients with RMSF report a history of tick bite?

90%

50%

25%

11. What is the incubation period (time from tick bite to onset of symptoms) for RMSF?

- 24-36 hours
- 3-14 days
- 14-21 days

12. Select the correct statements regarding rash in RMSF (select all that apply):

- Treatment should not be started until the rash develops
- Rash typically develops between days 2-5 of illness
- Rash develops in approximately 90% of people, but may appear after the 5<sup>th</sup> day of illness

13. Antibiotic therapy should be initiated (choose the best answer):

- As soon as the diagnosis of RMSF is suspected
- After laboratory confirmation of infection has been obtained
- After appearance of a rash
- None of the above

14. The antibiotic of choice for treatment of RMSF in adults and children > 8 years old is:

- Azithromycin
- Chloramphenicol
- Doxycycline
- Trimethoprim-sulfamethoxazole

15. The antibiotic of choice for treatment of RMSF in children ≤ 8 is:

- Azithromycin
- Chloramphenicol
- Doxycycline
- Trimethoprim-sulfamethoxazole

16. When is therapy for RMSF most effective?

- Within 5 days of symptom onset
- Within 7-10 days of symptom onset
- Within 2 weeks of symptom onset
- Timing of antibiotic therapy does not matter

17. How commonly do the following symptoms present in cases of RMSF:

Always Frequently Sometimes Rarely Never

	Always	Frequently	Sometimes	Rarely	Never
Fever	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Headache	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Myalgia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Abdominal pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cough	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. The fatality rate of untreated RMSF is

- Zero
- <10%
- 20-25%
- >50%

19. Which of the following severe manifestations are associated with

RMSF (select all that apply):

- Gangrene requiring amputation
- Cerebral edema and altered mental status
- Severe thrombocytopenia
- Pulmonary edema and Acute Respiratory Distress Syndrome (ARDS)

20. Over what period of time do the sequelae listed in #17 manifest:

- 5-7 days after symptom onset
- >10 days after symptom onset
- These are very rare, and timing is not well established

21. Current recommendations to prevent RMSF include (choose all that apply)

- Monitor closely for fever, or other symptoms for two weeks following a known tick bite, seek medical attention if symptoms develop
- Avoiding outdoor activities and limiting dog ownership
- Careful inspection for, detection of, and removal of ticks from pets or persons before or soon after they attach
- Use of tick repellent when tick exposure is a possibility, and use of tick repellent or tick-killing substances on pets
- Applying to pesticide to yards and homes