

Appendix 1: Survey of Family Physicians and Nurse Practitioners

The questions in the survey of family physicians and nurse practitioners were developed by CADTH in collaboration with Ipsos Public Affairs. The survey was designed to gather information about experiences and decision-making processes around outpatient prescribing of antibiotics for specific indications.

Primary Care Practitioner Practice

1. In which province or territory do you practice/are you located?

- | | | | |
|---|--|---|--------------------------------|
| <input type="checkbox"/> Alberta | <input type="checkbox"/> Newfoundland and Labrador | <input type="checkbox"/> Ontario | <input type="checkbox"/> Yukon |
| <input type="checkbox"/> British Columbia | <input type="checkbox"/> Northwest Territories | <input type="checkbox"/> Prince Edward Island | |
| <input type="checkbox"/> Manitoba | <input type="checkbox"/> Nova Scotia | <input type="checkbox"/> Quebec | |
| <input type="checkbox"/> New Brunswick | <input type="checkbox"/> Nunavut | <input type="checkbox"/> Saskatchewan | |

2. Please identify your main role:

- | | | | |
|---|---|-------------------------------------|---|
| <input type="checkbox"/> Family physician | <input type="checkbox"/> Nurse practitioner | <input type="checkbox"/> Pharmacist | <input type="checkbox"/> Other (please specify) |
|---|---|-------------------------------------|---|

3. Which populations does your practice serve? (check all that apply)

- | | | | |
|--------------------------------|--------------------------------|---------------------------------|---|
| <input type="checkbox"/> Urban | <input type="checkbox"/> Rural | <input type="checkbox"/> Remote | <input type="checkbox"/> Other (please specify) |
|--------------------------------|--------------------------------|---------------------------------|---|

4. How many years have you been practicing in primary care?

Indication A: Uncomplicated Cystitis

A1. What sources of information do you refer to when considering possible antibiotic treatment options for adult patients with uncomplicated UTIs: cystitis or pyelonephritis? (check all that apply)

- Internal/ organizational or local treatment guidelines
- Continuing professional development material
- Previous clinical experience
- Other (please specify)
- National or international clinical practice guidelines
- Colleagues or local practice patterns
- Other clinical decision making tools
- Apps (please select all that apply)
 - UptoDate
 - Dynamed
 - Bugs and Drugs
 - Sanford Guide to Antimicrobial Therapy
 - RxTx
 - Spectrum MD
 - WebMD
 - Medscape
 - Other (please specify)

A2. Which of the following factors influence your choice of treatment when prescribing antibiotics for adult patients with uncomplicated cystitis, that occurs in a healthy host [excluding pregnant women] in the absence of structural or functional abnormalities of the urinary tract? (check all that apply)

- Suspected or confirmed etiology
- Compliance history
- Costs for health care system
- Diagnostic certainty
- Medical history
- Patient expectation or preference
- Local resistance patterns
- Drug safety
- Allergy history
- Availability
- Known patient tolerance issues
- Other (please specify)
- Drug effectiveness
- Costs for patient
- Patient and/or provider threshold for failure

A3. What antibiotic do you prescribe as your first choice for therapy for uncomplicated cystitis?

A4. Why do you prescribe this antibiotic as your first choice for therapy?

A5. What antibiotic do you consider as your second choice for therapy for uncomplicated cystitis?

A6. Why do you consider this as your second choice for therapy?

A7. Do you have any other comments on the choice of antibiotic for therapy for uncomplicated cystitis?

- Yes (please provide details)
- No

A8. Describe when and why you might prescribe a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, norfloxacin, ofloxacin) as a treatment for uncomplicated cystitis.

Indication B: Uncomplicated Pyelonephritis

B1. Which of the following factors influence your choice of treatment when prescribing antibiotics for adult patients with uncomplicated pyelonephritis, that occurs in a healthy host [excluding pregnant women] in the absence of structural or functional abnormalities of the urinary tract? (check all that apply)

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Suspected or confirmed etiology | <input type="checkbox"/> Compliance history | <input type="checkbox"/> Costs for health care system | <input type="checkbox"/> Diagnostic certainty |
| <input type="checkbox"/> Medical history | <input type="checkbox"/> Patient expectation or preference | <input type="checkbox"/> Local resistance patterns | <input type="checkbox"/> Drug safety |
| <input type="checkbox"/> Allergy history | <input type="checkbox"/> Availability | <input type="checkbox"/> Known patient tolerance issues | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> Drug effectiveness | <input type="checkbox"/> Costs for patient | <input type="checkbox"/> Patient and/or provider threshold for failure | |

B2. What antibiotic do you prescribe as your first choice for therapy for uncomplicated pyelonephritis?

B3. Why do you prescribe this antibiotic as your first choice for therapy? (please provide details)

B4. What antibiotic do you consider as your second choice for therapy for uncomplicated pyelonephritis?

B5. Why do you consider this as your second choice of therapy? (please provide details)

B6. Do you have any other comments on the choice of antibiotic for therapy for uncomplicated pyelonephritis?

- Yes (please provide details)
- No

B7. Describe when and why you might prescribe a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, norfloxacin) as a treatment for uncomplicated pyelonephritis. (please provide details)

Indication C: Acute Bacterial Exacerbation of Chronic Bronchitis in Chronic Obstructive Pulmonary Disease

C1. What external sources of information do you refer to when considering possible antibiotic treatment options for adult patients with acute bacterial exacerbation of chronic bronchitis in COPD? (check all that apply)

- Internal/ organizational or local treatment guidelines
- Continuing professional development material
- Previous clinical experience
- Other (please specify)
- National or international clinical practice guidelines
- Colleagues or local practice patterns
- Other clinical decision making tools
- Apps (please select all that apply)
 - UptoDate
 - Dynamed
 - Bugs and Drugs
 - Sanford Guide to Antimicrobial Therapy
 - RxTx
 - Spectrum MD
 - WebMD
 - Medscape
 - Other (please specify)

C2. Which of the following factors influence your choice of treatment when prescribing antibiotics for adult patients with acute bacterial exacerbation of chronic bronchitis in COPD? (check all that apply)

- Suspected or confirmed etiology
- Compliance history
- Costs for health care system
- Diagnostic certainty
- Medical history
- Patient expectation or preference
- Local resistance patterns
- Drug safety
- Allergy history
- Availability
- Known patient tolerance issues
- Other (please specify)
- Drug effectiveness
- Costs for patient
- Patient and/or provider threshold for failure

C3. What antibiotic do you prescribe as your first choice for therapy for acute bacterial exacerbation of chronic bronchitis for COPD?

C4. Why do you prescribe this antibiotic as your first choice for therapy? *(please provide details)*

C5. What antibiotic do you consider as your second choice for therapy for acute bacterial exacerbation of chronic bronchitis for COPD?

C6. Why do you consider this as your second choice of therapy? *(please provide details)*

C7. Do you have any other comments on the choice of antibiotic for therapy for acute bacterial exacerbation of chronic bronchitis for COPD?

- Yes *(please provide details)*
- No

C8. Describe when and why you might prescribe a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, moxifloxacin, ofloxacin) as a treatment for patients with acute bacterial exacerbation of chronic bronchitis in COPD. *(please provide details)*

Indication D: Acute Bacterial Sinusitis

D1. What external sources of information do you refer to when considering possible antibiotic treatment options for adult patients with acute bacterial sinusitis? (check all that apply)

- Internal/ organizational or local treatment guidelines
- Continuing professional development material
- Previous clinical experience
- Other (please specify)
- National or international clinical practice guidelines
- Colleagues or local practice patterns
- Other clinical decision making tools
- Apps (please select all that apply)
 - UptoDate
 - Dynamed
 - Bugs and Drugs
 - Sanford Guide to Antimicrobial Therapy
 - RxTx
 - Spectrum MD
 - WebMD
 - Medscape
 - Other (please specify)

D2. Which of the following factors influence your choice of treatment when prescribing antibiotics for adult patients with acute bacterial sinusitis? (check all that apply)

- Suspected or confirmed etiology
- Compliance history
- Costs for health care system
- Diagnostic certainty
- Medical history
- Patient expectation or preference
- Local resistance patterns
- Drug safety
- Allergy history
- Availability
- Known patient tolerance issues
- Other (please specify)
- Drug effectiveness
- Costs for patient
- Patient and/or provider threshold for failure

D3. What antibiotic do you prescribe as your first choice for therapy for acute bacterial sinusitis?

D4. Why do you prescribe this antibiotic as your first choice for therapy? (please provide details)

D5. What antibiotic do you consider as your second choice for therapy for acute bacterial sinusitis?

D6. Why do you consider this as your second choice of therapy? *(please provide details)*

D7. Do you have any other comments on the choice of antibiotic for therapy for acute bacterial sinusitis?

- Yes *(please provide details)*
- No

D8. Describe when and why you might prescribe a fluoroquinolone (e.g. levofloxacin, moxifloxacin) as a treatment for acute bacterial sinusitis. *(please provide details)*

Regional Resistance Patterns

QE1. Several clinical practice guidelines recommend that health care professionals consider the “regional resistance patterns” when selecting an antibiotic drug. Do you have access to current data concerning regional resistance patterns?

- Yes
- No
- Unsure

QE2. Where do you obtain data about regional resistance patterns? *(please provide details)*

QE3. Lastly, do you have any other comments you would like to share regarding your prescribing practices around antibiotics for the all the indications described?

QE4. Thank you for completing the survey. Would you be interested in participating in further research about the prescribing of antibiotics in the form of a telephone interview?

- Yes *(please provide details)*
- No