

Appendix 2: Survey of Pharmacists

The questions in the survey of pharmacists 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:

- Family physician
 Nurse practitioner
 Pharmacist
 Other (please specify)

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

- Urban
 Rural
 Remote
 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 it comes to antibiotic treatments prescribed 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. In your practice, what is the most commonly prescribed antibiotic(s) you see prescribed by practitioners for therapy for uncomplicated cystitis? (please select the ones most commonly seen)

- Beta lactam antibiotic
- Fosfomycin trometamol
- Fluoroquinolone
- Trimethoprim-sulfamethoxazole (TMP-SMX)
- Pivmecillinam
- Nitrofurantoin monohydrate/ macrocrystals
- Other (please specify)

A3. Of the ones you selected, is there one antibiotic you see in your practice that is more commonly prescribed by practitioners? (select one response only)

- Beta lactam antibiotic
- Fosfomycin trometamol
- Fluoroquinolone
- Trimethoprim-sulfamethoxazole (TMP-SMX)
- Pivmecillinam
- Nitrofurantoin monohydrate/ macrocrystals
- Other (please specify)
- None is prescribed more often than the other

A4. Describe when you might see a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, norfloxacin, ofloxacin) prescribed as a treatment for uncomplicated cystitis. *(please provide details)*

A5. In which circumstances would you contact a prescribing clinician? *(describe circumstances and other action(s) you would take)*

A6. Do you have any other comments on the choices of antibiotic for therapy that you see prescribed by practitioners for uncomplicated cystitis?

- Yes *(please provide details)*
- No

Indication B: Uncomplicated Pyelonephritis

B1. What sources of information do you refer to when it comes to antibiotic treatments prescribed for adult patients with uncomplicated 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)

B2. In your practice, what are the most commonly prescribed antibiotics you see prescribed by practitioners for outpatient therapy for uncomplicated pyelonephritis? (please select the ones most commonly seen)

- Fluoroquinolone
- Amoxicillin-clavulanate
- Other (please specify)
- Trimethoprim-sulfamethoxazole (TMP-SMX)
- Second and third generation cephalosporin (cefepodoxime, cefdinir, cefaclor)

B3. Of the ones you selected, is there one antibiotic you see in your practice that is more commonly prescribed by practitioners? (select one response only)

- Fluoroquinolone
- Amoxicillin-clavulanate
- Other (please specify)
- Trimethoprim-sulfamethoxazole (TMP-SMX)
- Second and third generation cephalosporin (cefepodoxime, cefdinir, cefaclor)
- None is prescribed more often than the other

B4. Describe when you might see a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, norfloxacin) as prescribed a treatment for uncomplicated pyelonephritis. (please provide details)

B5. In which circumstances would you contact a prescribing clinician? (describe circumstances and other action(s) you would take)

B6. Do you have any other comments on the choices of antibiotic for therapy that you see prescribed by practitioners for uncomplicated pyelonephritis?

- Yes (please provide details)
- No

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

C1. What sources of information do you refer to when it comes to antibiotic treatments prescribed 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. In your practice, what are the most commonly prescribed antibiotics you see prescribed by practitioners for therapy for acute bacterial exacerbation of chronic bronchitis for COPD? (please select the ones most commonly seen)

- | | | |
|--|--|--|
| <input type="checkbox"/> Advanced macrolide (azithromycin, clarithromycin) | <input type="checkbox"/> Trimethoprim-sulfamethoxazole (TMP-SMX) | <input type="checkbox"/> Cephalosporin (cefuroxime, cefpodoximem cefdinir) |
| <input type="checkbox"/> Fluoroquinolone | <input type="checkbox"/> Doxycycline | <input type="checkbox"/> Amoxicillin-clavulanate |
| <input type="checkbox"/> Other (please specify) | | |

C3. Of the ones you selected, is there one antibiotic you see in your practice that is more commonly prescribed by practitioners? (select one response only)

- | | | |
|--|---|--|
| <input type="checkbox"/> Advanced macrolide (azithromycin, clarithromycin) | <input type="checkbox"/> Trimethoprim-sulfamethoxazole (TMP-SMX) | <input type="checkbox"/> Cephalosporin (cefuroxime, cefpodoximem cefdinir) |
| <input type="checkbox"/> Fluoroquinolone | <input type="checkbox"/> Doxycycline | <input type="checkbox"/> Amoxicillin-clavulanate |
| <input type="checkbox"/> Other (please specify) | <input type="checkbox"/> None is prescribed more often than the other | |

C4. Describe when you might see a fluoroquinolone (e.g. ciprofloxacin, levofloxacin, moxifloxacin, ofloxacin) prescribed as a treatment for acute bacterial exacerbation of chronic bronchitis for COPD. (please provide details)

C5. In which circumstances would you contact a prescribing clinician? (describe circumstances and other action(s) you would take)

C6. Do you have any other comments on the choices of antibiotic for therapy for acute bacterial exacerbation of chronic bronchitis for COPD that you see prescribed by practitioners?

- Yes (please provide details)
- No

Indication D: Acute Bacterial Sinusitis

D1. What sources of information do you refer to when it comes to antibiotic treatments prescribed 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. In your practice, what are the most commonly prescribed antibiotics you see prescribed by practitioners for therapy for acute bacterial sinusitis? *(please select the ones most commonly seen)*

- Amoxicillin
- Amoxicillin-clavulanate
- Trimethoprim-sulfamethoxazole (TMP-SMX)
- Fluoroquinolone
- Clindamycin and a cephalosporin (cefixime or cefpodoxime)
- Doxycycline
- Macrolides (clarithromycin or azithromycin)
- Trimethoprim-sulfamethoxazole
- Oral second or third generation cephalosporins
- Other (please specify)

D3. Of the ones you selected, is there one antibiotic you see in your practice that is more commonly prescribed by practitioners?

- | | | |
|--|--|---|
| <input type="checkbox"/> Amoxicillin | <input type="checkbox"/> Amoxicillin-clavulanate | <input type="checkbox"/> Trimethoprim-sulfamethoxazole (TMP-SMX) |
| <input type="checkbox"/> Fluoroquinolone | <input type="checkbox"/> Clindamycin and a cephalosporin (cefixime or cefpodoxime) | <input type="checkbox"/> Doxycycline |
| <input type="checkbox"/> Macrolides (clarithromycin or azithromycin) | <input type="checkbox"/> Trimethoprim-sulfamethoxazole | <input type="checkbox"/> Oral second or third generation cephalosporins |
| <input type="checkbox"/> Other (please specify) | <input type="checkbox"/> None is prescribed more often than the other | |

D4. Describe when you might see a fluoroquinolone (e.g. levofloxacin, moxifloxacin) as prescribed a treatment for acute bacterial sinusitis. (please provide details)

D5. In which circumstances would you contact a prescribing clinician? describe circumstances and other action(s) you would take)

D6. Do you have any other comments on the choices of antibiotic for therapy that you see prescribed by practitioners for acute bacterial sinusitis?

- Yes (please provide details)
- No

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