

## APPENDIX 1: Semistructured interview for clinical pharmacist practitioners.

Hello,

Thank you for taking the time out of your day to sit down with me and be involved in our study. If for any reason you decide you would no longer like to participate, you can let me know at any time. This interview should take 30–45 minutes of your time.

We are conducting semi structured interviews with Canadian clinical pharmacist practitioners with exemplary practices and Canadian health care system stakeholders, such as yourself, in order to ascertain perspectives on how pharmacists of the future may achieve clinical pharmacist practitioner roles and where these clinical pharmacist practitioners would fit into the current and future health care systems. Your feedback will supplement information in the existing literature from around the world on how clinical pharmacist practitioner roles may be established and incorporated into health care systems.

Our hope is to develop key themes gained from our semi structured interviews in order to provide a clear pathway for pharmacists of the future to practise within their full scope and take on clinical pharmacist practitioner roles within Canada.

We plan to record these semi structured interviews to allow for transcription and text-based analysis. We ask your permission to do so. The recording will only be used by our research group. If possible, please try to refrain from stating any personal identifying information, but if you do it will be de-identified upon transcription. A summary of the data analysis procedure and a summary of the results of the inquiry will be shared with you via Qualtrics survey tool to ensure that themes gathered align with what you intended during your interview, unless you have any objections to us doing so. Results of the study will ultimately be shared at a project defense at St. Paul's Hospital or Vancouver General Hospital in September 2020, we will seek to present poster results at local/national conferences, and we will aim to publish the findings in a peer-reviewed journal.

### Demographic data (some data may be pre-populated from prior contact):

|   |   |
|---|---|
| 1) How long have you been practising as a pharmacist? | Numerical value   |
| 2) What is your current position?                     | Job title   |
| 3) How long have you been in your current role?       | Numerical value   |
| 4) What setting do you practise in?                   | Hospital, community, ambulatory, academia, regulatory, or other |
| 5) Does your practice involve direct patient care?    | Y or N  |

Audio recording to begin after initial demographic data recorded

### Questions:

- 1) What internal qualities and characteristics do you feel have contributed to your attainment of your current role and advanced practice?
- 2) What external factors do you think contributed?
- 3) How would you describe the pathway that you took to achieve your current practice role?
  - Formal training?
  - Informal training opportunities?
  - Other career advancement avenues?
- 4) What were some of the barriers/enablers that you encountered?
- 5) If you had to start all over again, are there any changes you would make to the path that you took? Or in other words, what advice would you give to a pharmacist starting out in their career who wants to end up in a similar position such as yours?
- 6) How could this level of practice/practice environment become the norm for all pharmacists? Do you think achieving that is a possibility? What changes would be required (e.g., training, regulatory, etc.)?
- 7) How do you think others perceive clinical pharmacist practitioners? How should we as a profession promote our role in the health care system?
- 8) What are your thoughts on credentialing or certifying pharmacists for advanced scope of practice as compared to training all pharmacists to achieve the same scope of practice?
- 9) Is a separate designation (such as the Nurse Practitioner designation that nursing has created) needed to achieve similar advancement within pharmacy?
- 10) My main purpose in the interview today is to use data gathered to begin to identify pathways for Canadian pharmacists to practise to their full scope and perhaps take on clinical pharmacist practitioner roles, is there anything else that you feel is important that we haven't discussed?

Appendix to: Parmar R, Legal M, Dahri K, Wilbur K, Shalansky S, Partovi N. Pathways to developing clinical pharmacist practitioners: is there a better way forward? (Path-CPP). *Can J Hosp Pharm.* 2023;76(4):302-8.

## APPENDIX 2: Semistructured interview for health care system stakeholders.

Hello,

Thank you for taking the time out of your day to sit down with me and be involved in our study. If for any reason you decide you would no longer like to participate, you can let me know at any time. This interview should take 30-45 minutes of your time.

We are conducting semi structured interviews with Canadian clinical pharmacist practitioners with exemplary practices and Canadian health care system stakeholders, such as yourself, in order to ascertain perspectives on how pharmacists of the future may achieve clinical pharmacist practitioner roles and where these clinical pharmacist practitioners would fit into the current and future health care systems. Your feedback will supplement information in the existing literature from around the world on how clinical pharmacist practitioner roles may be established and incorporated into health care systems.

Our hope is to develop key themes gained from our semi structured interviews in order to provide a clear pathway for pharmacists of the future to practise within their full scope and take on clinical pharmacist practitioner roles within Canada.

We plan to record these semi structured interviews to allow for transcription and text-based analysis. We ask your permission to do so. The recording will only be used by our research group. If possible, please try to refrain from stating any personal identifying information, but if you do it will be de-identified upon transcription. A summary of the data analysis procedure and a summary of the results of the inquiry will be shared with you via Qualtrics survey tool to ensure that themes gathered align with what you intended during your interview, unless you have any objections to us doing so. Results of the study will ultimately be shared at a project defense at St. Paul's Hospital or Vancouver General Hospital in September 2020, we will seek to present poster results at local/national conferences, and we will aim to publish the findings in a peer-reviewed journal.

### Demographic data (some data may be pre-populated from prior contact):

|  |   |
|--|---|
| 1) What is your current role?                      | Job title   |
| 2) How long have you been in your current role?    | Numerical value   |
| 3) What setting do you practise in?                | Hospital, community, ambulatory, academia, regulatory, or other |
| 4) Does your practice involve direct patient care? | Y or N  |

Audio recording to begin after initial demographic data recorded

### Clinical Pharmacist Practitioner Description:

Clinical pharmacist practitioners are pharmacotherapy experts who practise independently, conduct thorough patient assessments, respond to consultations, monitor and adjust drug therapy, provide patient and colleague education, and may prescribe independently or in collaboration with other health professionals.

### Questions:

- 1) Looking at an ideal description of a clinical pharmacist practitioner and their possible scope of practice, what do you see as their role and where would they fit into the Canadian health care system? How could they complement or work with other health care providers in the system?
- 2) What challenges, barriers or limitations do you see with having such an individual more involved in the health care system?
- 3) Based on what you know of pharmacists' training, what are qualities/skills of pharmacists that you feel would help them succeed in this type of role? What are qualities/skills you would be concerned that pharmacists could lack and may be required for this type of role?
- 4) Do you think a separate designation is required to have pharmacists with this scope of practice becoming more widespread?
- 5) Do you feel that having this type of pharmacist implemented in regular roles throughout the Canadian health care system would be useful? What additional value could this type of practitioner provide to patients/the health care system?
- 6) My main purpose in the interview today is to use data gathered to begin to develop a pathway for Canadian pharmacists to practise to their full scope and perhaps take on clinical pharmacist practitioner roles, is there anything else that you feel is important that we haven't discussed?

Appendix to: Parmar R, Legal M, Dahri K, Wilbur K, Shalansky S, Partovi N. Pathways to developing clinical pharmacist practitioners: is there a better way forward? (Path-CPP). *Can J Hosp Pharm.* 2023;76(4):302-8.