

Information Technology in Primary Care Practice

Please tell us a bit about yourself so we can better analyze the data. Please remember that this will be kept in strict confidence.

Are you: Male Female

If you are a prescriber, what year did you graduate from medical/professional school: _____

Circle your degree: MD DO ARNP PA

What is your year of birth: _____

Circle your department:
Imed Peds WIC

About your practice:
FP About how many hours per week do you spend doing clinical work: _____

In your average hour at work, how many patients do you see: _____

About how many hours per week do you spend doing other medically related work: _____

Do you use a computer at home for professional use? No

Do you use a computer at home for personal use? No

Finally, how would you rate your knowledge about computers in your practice:

Novice	Expert
1 2 3 4 5 6 7	

Thanks for your help. Please return the questionnaire in the enclosed envelope.

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Yes

This questionnaire is being used in the research project entitled
“Evaluating the Impact of an ACPOE/CDS System on Outcomes:
The Human Factors Aspects”.

This project is being conducted jointly by the University of Washington School of Pharmacy and The Everett Clinic; and is supported by a grant from the Agency for Healthcare Research and Quality
(IUC1 HS 15319-01)

This questionnaire can be completed in under 15 minutes.
Your participation is voluntary and you do not have to answer every question.

Your assistance in completing this questionnaire is greatly appreciated.

Please return your completed questionnaire to Sunshine Milson in Pharmacy Services.

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Information Technology in Primary Care Practice

The role of computers and information technology in the provision of health care is expanding rapidly. *Information Technology in Primary Care Practice* was first developed by Dr. Dixon to assess computer use by family physicians in Ontario, Canada. Dr. Dixon is one of our collaborators and has agreed to let us use his questionnaire to see how it performs in different groups of physicians, and with different types of technology, specifically electronic prescribing. We expect that by using it we will be able to help physicians better use available information technologies.

This questionnaire was developed by:
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For purposes of this survey, please interpret:
 "Physicians" = Prescribers
 "Prescribers include: MD, DO, ARNP, PA"
 "My (patients or practice)" = Our (patients or practice)
 "Computers = technology, CMR, MedMan"

Please indicate how often you personally use the following information technologies in your practice.

In the next column, please indicate how interested you are in using each of the items in your practice.

Please **circle** the number that best matches your response.

	Expected Usage					Interest					
	Never	Rarely	Frequently			Extreme Disinterest	Extreme Interest				
Practice Management (PLUS; billing, appointments)	0	1	2	3	4	5	1	2	3	4	5
Word Processing (to create documents)	0	1	2	3	4	5	1	2	3	4	5
Research (stats, library)	0	1	2	3	4	5	1	2	3	4	5
E-Mail (sending or receiving)	0	1	2	3	4	5	1	2	3	4	5
Electronic Patient Records (CMR) (not with the patient)	0	1	2	3	4	5	1	2	3	4	5
Electronic Patient Encounter (CMR) (with the patient)	0	1	2	3	4	5	1	2	3	4	5
Internet (world wide web)	0	1	2	3	4	5	1	2	3	4	5
Decision Support (guidelines, protocols)	0	1	2	3	4	5	1	2	3	4	5

- | | Strongly
Disagree | Strongly
Agree |
|---|----------------------|-------------------|
| computer use. | | |
| 31. Overall, computers are easy to use. | 1 2 3 4 5 | |
| 32. It will be easy to change the way my practice operates to accommodate computer use. | 1 2 3 4 5 | |
| 33. I will be able to change patient outcomes with computer use. | 1 2 3 4 5 | |
| 34. My patients are supportive of computer use in medical practice. | 1 2 3 4 5 | |
| 35. My patients are comfortable with computer use in medical practice. | 1 2 3 4 5 | |
| 36. Help will be easily accessible if I have problems with my office computer. | 1 2 3 4 5 | |
| 37. Having a computer system installed in my practice will be complicated. | 1 2 3 4 5 | |

Please indicate if you agree or disagree with the following statements.

Please **circle** the number that best fits your response.

- | | Strongly
Disagree | Strongly
Agree |
|--|----------------------|-------------------|
| 1. I expect to use computers in my medical practice. | 1 2 3 4 5 | |
| 2. It is important to me to be able to use computers in my practice. | 1 2 3 4 5 | |
| 3. I plan to obtain computer-generated information in my practice. | 1 2 3 4 5 | |
| 4. I am interested in using computers in my practice. | 1 2 3 4 5 | |
| 5. I plan to upgrade my computer skills so I can use computers in my medical practice. | 1 2 3 4 5 | |
| 6. Physicians will be able to work more quickly by using computers. | 1 2 3 4 5 | |
| 7. Using computers will allow physicians to be more productive. | 1 2 3 4 5 | |
| 8. Computers will allow physicians to practice more effectively. | 1 2 3 4 5 | |
| 9. Practicing medicine will be made easier with computers. | 1 2 3 4 5 | |
| 10. Overall, physicians will be able to | 1 2 3 4 5 | |

- | | Strongly
Disagree | 1 | 2 | 3 | 4 | 5 | Strongly
Agree |
|---|----------------------|---|---|---|---|---|-------------------|
| reach the correct diagnosis more frequently by using computers. | | 1 | 2 | 3 | 4 | 5 | |
| 11. I frequently apply a computer to new and different problems. | | 1 | 2 | 3 | 4 | 5 | |
| 12. In general, I am capable at applying computers to solve problems in my practice. | | 1 | 2 | 3 | 4 | 5 | |
| 13. Overall, computers are useful to my medical practice. | | 1 | 2 | 3 | 4 | 5 | |
| 14. My colleagues accept computer use in medical practice. | | 1 | 2 | 3 | 4 | 5 | |
| 15. I feel pressured to use computers in my practice. | | 1 | 2 | 3 | 4 | 5 | |
| 16. It is appropriate to use computers in practice. | | 1 | 2 | 3 | 4 | 5 | |
| 17. Using a computer in practice would conflict with guidelines concerning acceptable medical practice. | | 1 | 2 | 3 | 4 | 5 | |
| 18. Computer use is acceptable to me for my practice. | | 1 | 2 | 3 | 4 | 5 | |
| 19. It is a personal priority to use computers in my practice. | | 1 | 2 | 3 | 4 | 5 | |

- | | Strongly
Disagree | 1 | 2 | 3 | 4 | 5 | Strongly
Agree |
|---|----------------------|---|---|---|---|---|-------------------|
| 20. It is a priority of my clinic to use computers in medical practices. | | 1 | 2 | 3 | 4 | 5 | |
| 21. I expect to see a favorable change in patient outcomes with computer use. | | 1 | 2 | 3 | 4 | 5 | |
| 22. I expect to see a favorable change in the way my practice operates with computer use. | | 1 | 2 | 3 | 4 | 5 | |
| 23. It is easy to learn new computer applications. | | 1 | 2 | 3 | 4 | 5 | |
| 24. It is easy to master computer interactions. | | 1 | 2 | 3 | 4 | 5 | |
| 25. Interactions with computers are clear and easy to understand. | | 1 | 2 | 3 | 4 | 5 | |
| 26. Computers are flexible to work with. | | 1 | 2 | 3 | 4 | 5 | |
| 27. In general, I am creative in using software packages to solve problems. | | 1 | 2 | 3 | 4 | 5 | |
| 28. I am innovative when using software packages to solve problems. | | 1 | 2 | 3 | 4 | 5 | |
| 29. I try to apply computers in new ways when solving a problem. | | 1 | 2 | 3 | 4 | 5 | |
| 30. It is easy to become skilful in | | 1 | 2 | 3 | 4 | 5 | |