

# The need of health informatics training for medical doctors in Jordan

This survey aims to:

1- Investigate to what extent medical doctors use biomedical informatics systems and applications in Jordan.

2- Explore if medical doctors require extra training to use biomedical informatics systems and applications in Jordan.

This survey consists of 12 multiple choice/checkbox short questions, it will take 3 minutes to answer.

The survey results will be part of a research project implemented by Dr. Shefa Tawalbeh, Dr. Lina al-ibbini, Dr. Ahmed Al-Omari, and Dr. Hiam Alquran from the biomedical systems and informatics engineering department at Yarmouk University, Ghaith Salameh, and Yousef Obeidat from Electronic Health Solutions company- Amman-Jordan.

In this survey, biomedical informatics systems and applications are any computer application/system used to assist medical staff to perform their medical practice; such as electronic medical records, medical imaging software, data analysis tools, telemedicine systems, decision-making software, etc.

1. Please specify your academic qualification \*

- Bachelor in medicine (MD)
- MD with specialization
- MD with subspecialization
- Other

2. Gender \*

- Male
- Female

3. Years of experience form your first degree \*

- 1-5 years
- 5-10 years
- 10-20 years
- more than 20

4. Work place \*

- Private clinic
- Governmental hospital
- Private hospital
- A university hospital
- Governmental medical center
- University or an academic institution
- Research center
- other

5. Most of your time is spent in \*

- research
- clinical practice
- academia
- equally distributed between academia, research, and clinical practice

6. Did you take previous training on health information systems \*

- Yes
- No
- Maybe

7. To what extent do you use biomedical informatics applications and systems in your daily medical practice \*

- High
- Medium high
- Medium
- Medium low
- Low

8. Which of the following do you use in your daily work: (choose one or more) \*

- Biomedical informatics applications (such as data analysis software, image processing software, etc.)
- Biomedical informatics systems (such as remote monitoring systems, telemedicine systems, etc.)
- Biomedical informatics tools (such as electronic medical records, patient portal, etc.)

9. To what extent do you need extra knowledge and/or technical training to deal with biomedical informatics systems and applications \*

- High
- Medium high
- Medium
- Medium low
- Low

10. To what extent do you need extra knowledge and/or technical training to analyze biomedical data for research purposes \*

- High
- Medium high
- Medium
- Medium low
- Low

11. To what extent do you need extra knowledge and/or technical training related to healthcare management (where this includes the administration and management in all aspects of the healthcare systems including budget, staffing, and records.) \*

- High
- Medium high
- Medium
- Medium low
- Low

12. Which of the following training courses do you prefer to increase your knowledge and practical experience in biomedical informatics systems and applications \*

- Biomedical data analysis
- Artificial intelligence in medicine
- Recent advances in electronic medical records
- Health care management systems
- Health Information System
- Cyber Security – Patient data security and privacy
- Business Intelligence

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