

Semi-Structured Interview Questionnaire

Artificial Intelligence in Hospital Management: A Qualitative Exploration of Leadership Perspectives and Organizational Readiness

Section A: Participant Characteristics

1. Please describe your current position and role in the hospital.
 2. How many years of experience do you have in healthcare management or leadership?
 3. Have you previously worked with any AI-based technologies in healthcare settings? If yes, please explain.
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Section B: Attitudes Toward AI Application in Hospital Management

4. What is your overall perception of artificial intelligence in hospital management?
 5. How familiar are you with current AI applications in healthcare organizations?
 6. In your opinion, which hospital departments could benefit most from AI technologies?
 7. How do you think AI may influence decision-making processes in hospitals?
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Section C: Anticipated Advantages and Opportunities

8. What potential advantages do you foresee from implementing AI in hospital management?
 9. How could AI improve the quality of patient care and safety?
 10. Do you believe AI could improve operational efficiency and resource management? Please explain.
 11. What opportunities might AI create for healthcare professionals and hospital administrators?
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Section D: Organizational Readiness for AI Implementation

12. How prepared is your organization for adopting AI technologies?
 13. What infrastructure or resources are currently available to support AI implementation?
 14. What additional resources or preparations are needed before implementing AI systems?
 15. How important is staff training and education for successful AI adoption?
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Section E: Leadership and Technological Transformation

16. What role should hospital leaders play in AI implementation?
 17. How can leadership support employees during technological transformation?
 18. What leadership qualities are most important for managing AI-related changes?
 19. How can leaders encourage acceptance and trust toward AI technologies?
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Section F: Ethical, Economic, and Operational Considerations

20. What ethical concerns do you associate with AI use in hospitals?
 21. How important are issues such as patient privacy and data security in AI implementation?
 22. What economic challenges may arise during AI deployment?
 23. How might AI affect hospital workflows and operational processes?
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Section G: Barriers and Facilitators of AI Adoption

24. What are the main barriers to AI adoption in hospitals?
 25. What factors could facilitate successful implementation of AI technologies?
 26. How do organizational culture and staff attitudes influence AI adoption?
 27. What external factors (e.g., government policies, funding, regulations) may affect AI implementation?
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Section H: Employee Attitudes and Workforce Consequences

28. How do healthcare employees generally perceive AI technologies?
 29. Do you think AI may threaten certain healthcare jobs? Why or why not?
 30. How could AI influence employee workload, stress, or job satisfaction?
 31. What strategies could help employees adapt to AI-related changes?
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Section I: Future Perspectives

32. How do you envision AI-based hospitals in the future?
 33. Which areas of hospital management are most likely to become AI-driven?
 34. What are your expectations regarding the long-term impact of AI on healthcare systems?
 35. Is there anything else you would like to add regarding AI implementation in hospital management?
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Closing Statement

“Thank you for participating in this interview. Your insights and experiences are highly valuable for understanding leadership perspectives and organizational readiness regarding artificial intelligence in hospital management.”