

Supplement 3. Description of the determinants for implementation of healthcare innovations as described by Fleuren et al.

Determinants related to the socio-political context

1. Willingness of the patient to cooperate with the innovation

 2. Degree to which the patient is aware of the health benefits of the innovation

 3. Patient doubts concerning the health professional's expertise and competence with respect to the

 4. Financial burden of the innovation imposed on the patient (e.g. no insurance coverage)

 5. Patient discomfort (physical or emotional) as a result of the innovation

 6. The extent to which the innovation fits into existing rules, regulations, and legislation
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Determinants related to the organization

7. Decision-making process and procedures in the organization: top-down or bottom-up/participatory

 8. Hierarchical structure: extent to which decision-making process is formalized through hierarchical

 9. Formal reinforcement by management to integrate innovation into organizational policies

 10. Organizational size (number of employees): large, medium size, small

 11. Functional structure (task oriented) versus product structure (output oriented)

 12. Relationship with other departments or organizations: introvert or outreaching

 13. Nature of the collaboration between departments involved in the innovation

 14. Staff turnover: high, average, low

 15. Degree of staff capacity in the organization or department that implements the innovation

 16. Available expertise, in relation to the innovation in the organization or department

 17. Logistical procedures related to the innovation, e.g. logistical problems in scheduling patients

 18. Number of potential users to be reached: many, few
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Determinants related to the adopting person/user/health professional

19. Support from/of colleagues in implementing the innovation

20. Support from/of other health professionals in implementing the innovation

21. Support from/of their supervisors in the department/organization with respect to the implementation

22. Support from/of higher management in the organization with respect to the implementation of the

23. Extent to which colleagues implement the innovation (modelling)

24. Extent to which the health professional has the skills needed to implement the innovation

25. Extent to which the health professional has the knowledge needed to implement the innovation

26. Self-efficacy: confidence to perform the behaviour needed to implement the innovation

27. Extent to which ownership by the health professionals is perceived

28. Extent to which the innovation fits in the perceived task orientation of the health professional

29. Extent to which the health professional expects that the patient will cooperate in the innovation

30. Extent to which the health professional expects that the patient will be satisfied with the innovation

31. Extent to which the health professional suffers from work-related stress

32. Extent to which goals of health professionals with respect to the innovation are contradictory

33. Extent to which the health professional has ethical problems with the innovation

Determinants related to the innovation

34. Extent to which the procedures/guidelines of the innovation are clear

35. Compatibility: degree to which the innovation is perceived as consistent with existing work procedures

36. Trialability: extent to which the innovation can be subjected to trial

37. Relative advantage: extent to which the innovation is perceived as advantageous

38. Observability: degree to which the results of the innovations are observable to the health professional

39. Extent to which the innovation is appealing to use

40. Relevance of the innovation for the patient: extent to which the innovation has added value

41. Extent to which the innovation carries risks to the patient compared with the existing situation

42. Frequency of use of the innovation: high, low

Determinants related to facilities needed to implement the innovation

43. Financial resources made available for implementing the innovation

44. Reimbursement for health professionals/organizations to facilitate extra efforts in applying the

45. Other resources made available for implementing the innovation (e.g. equipment, manuals)

46. Administrative support available to the users (health professionals) of the implementation

47. Time available to implement the innovation

48. Availability of staff responsible for coordinating implementation in the organization/department

49. Health professionals are involved in the development of the innovation

50. Opinion leader who influences opinions of others in the organization or department (not the

Some determinants, such as reimbursement (number 44), can also be classified in another category, e.g. as a characteristic of the organization.