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| **ITU-T Focus Group on AI for Health** | |
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| **Contact:** | | Ferath Kherif, Centre Hospitalier Universitaire Vaudois, Switzerland | | Email: [Ferath.Kherif@chuv.ch](mailto:Ferath.Kherif@chuv.ch) |
| **Contact:** | | Banusri Velpandian, ICMR, India | | Email: [banusrir@gmail.com](mailto:banusrir@gmail.com) |
| **Contact:** | | WHO Data Team | | Email: [pujaris@who.int](mailto:pujaris@who.int) |
| **Contact:** | | Secretariat of the Focus Group | | Email: [tsbfgai4h@itu.int](mailto:tsbfgai4h@itu.int) |

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| **Abstract:** | This initial draft describes the objectives and proposes an initial outline of the planned deliverable “Data Sharing Practices” to help seed future content. |

**Initial outline**

1. **Introduction**

This deliverable aims to provide an overview of the existing best practices for data sharing of health-related data. The scope of this document includes a description of all the necessary steps and requirement to enable secure data sharing. The document specifies the role of the data providers, data processors and the data receivers. The document outlines established data sharing methods and novel methods based on distributed and federated environments for privacy preserving AI/ML models.

1. **Why data sharing?**
   1. Data sharing principles
   2. FAIR Principles
2. **The specificity of sharing health-related data**
3. **Examples of data sharing scenarios**
   1. Research data
   2. Clinical and hospital data
4. **Roles and responsibilities**
   * 1. Data providers
     2. Data protection officer
     3. Data controllers
     4. Data processors
     5. Data receivers
5. **Rules and regulation for patients consent**
6. **Data anonymization and de-identification**
7. **Data minimization**
8. **Data confidentiality and privacy**
9. **Data security**
10. **Data descriptions**
11. **Metadata registry**
12. **Data harmonisation**
13. **Methods for data sharing**
    1. Overview of data transfer methods
    2. Central and public databases
    3. Distributed and federated query
    4. Distributed and federated machine learning
    5. Data governance in a centralized environment and governance in a federated environment
14. **Legal documents**
    1. Data protection impact assessments (DPIA)
    2. General Data Protection Regulation (GDPR)
15. **Data sharing agreement**
    1. Purpose and intended use of data sharing
    2. Period of agreement
    3. Description of data
    4. Data update
    5. Responsibilities of data providers and data receivers
    6. Results and dissemination of results including IA models
16. **Risks, costs and benefits**

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