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| A black and white logo  Description automatically generated with low confidence | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | FG-AI4H-S-005 | |
| ITU-T Focus Group on AI for Health | |
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| **DOCUMENT** | | | | |
| **Source:** | | FG-AI4H | | |
| **Title:** | | Updated list of FG-AI4H deliverables | | |
| **Contact:** | | TSB | | Tel: +41-22-730-6805 E-mail: [tsbfgai4h@itu.int](mailto:tsbfgai4h@itu.int) |

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| **Abstract:** | This document summarizes the current status of the planned deliverables for the ITU-T Focus Group on AI for health (FG-AI4H), based on the output list from the meeting in Cambridge, 21-24 March 2023, as found in R-200 / DEL00S and subsequent updates from the meeting and by the secretariat. |

NOTE – Latest version of deliverables are stored in the FG-AI4H collaboration area at <https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/SitePages/Deliverables.aspx>. The page will be updated after each FG-AI4H meeting.

Table 1 – Updated list of deliverables (updated version of R-200)

| No. | Deliverable | Updated initial draft editor | Availability\* |
| --- | --- | --- | --- |
| 0 | Overview of the FG-AI4H deliverables | [Shan Xu](mailto:xushan@caict.ac.cn) (CAICT, China) | [P-044](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-044.docx) |
| *0.1* | *Common unified terms in artificial intelligence for health* | [*Markus Wenzel*](mailto:markus.wenzel@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany)* | [*P-201*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-201.docx) *(agreed at P)* |
| *1* | *AI4H ethics considerations* | [*Andreas Reis*](mailto:reisa@who.int) *(WHO)* | [*O-201*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-O-201.docx) (*agreed at O)* |
| *2* | *Overview of regulatory considerations on artificial intelligence for health* | [*Shada Alsalamah*](mailto:alsalamahs@who.int) *(WHO)* | [*P-202*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-202.docx) *(agreed at P)* |
| *2.1* | *Mapping of IMDRF essential principles to AI for health software* | [*Luis Oala*](mailto:luis.oala@dotphoton.com) *(Dotphoton, Switzerland),* [*Pradeep Balachandran*](mailto:pbn.tvm@gmail.com) *(Technical Consultant eHealth, India),* [*Pat Baird*](mailto:pat.baird@philips.com) *(Philips, USA),* [*Thomas Wiegand*](mailto:thomas.wiegand@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany)* | [R-047](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-047.docx) *(agreed online, 2023-03-16)* |
| *2.2* | *Good practices for health applications of machine learning: Considerations for manufacturers and regulators* | [*Pradeep Balachandran*](mailto:pbn.tvm@gmail.com) *(India) and* [*Christian Johner*](mailto:christian.johner@johner-institut.de) *(Johner Institut, Germany)* | [*P-203*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-203.docx) *(agreed at P)* |
| *3* | *AI4H requirement specifications* | [*Pradeep Balachandran*](mailto:pbn.tvm@gmail.com) *(India)* | [*R-049*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-049.docx) *(agreed online, 2023-03-16)* |
| *4* | *AI software life cycle specification* | [*Pat Baird*](mailto:pat.baird@philips.com) *(Philips, USA)* | [*R-044*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-044.docx) *(Agreed at R)* |
| 5 | Data specification | [Marc Lecoultre](mailto:ml@mllab.ai) (MLlab.AI, Switzerland) | [G-205](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-G-205.docx" \t "_blank) |
| *5.1* | *Data requirements* | *[*[*Marc Lecoultre*](mailto:ml@mllab.ai) *(MLlab.AI, Switzerland)]\*\** | [*R-066*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-066.docx) *(agreed online, 2023-03-16)* |
| 5.2 | Data acquisition | [Rajaraman (Giri) Subramanian](mailto:kinnal@hotmail.com) (Calligo Tech, India), [Vishnu Ram](mailto:vishnu.n@ieee.org) (India) | [G-205-A02](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-G-205-A02.docx) |
| *5.3* | *Data annotation specification* | [*Shan Xu*](mailto:xushan@caict.ac.cn) *(CAICT, China),* [*Harpreet Singh*](mailto:hsingh@bmi.icmr.org.in) *(ICMR, India),* [*Sebastian Bosse*](mailto:sebastian.bosse@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany)* | [*R-067*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-067.docx) *(agreed online, 2023-03-16)* |
| *5.4* | *Training and test data specification* | [*Luis Oala*](mailto:luis.oala@dotphoton.com) *(Dotphoton, Switzerland),* [*Pradeep Balachandran*](mailto:pbn.tvm@gmail.com) *(India)* | [*R-066*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-066.docx) *(agreed online, 2023-03-16)* |
| *5.5* | *Data handling* | [*Marc Lecoultre*](mailto:ml@mllab.ai) *(MLlab.AI, Switzerland)* | [*R-048*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-048.docx) *(agreed online, 2023-03-16)* |
| 5.6 | Data sharing practices | [Ferath Kherif](mailto:Ferath.Kherif@chuv.ch) (CHUV, Switzerland), [Banusri Velpandian](mailto:banusrir@gmail.com) (ICMR, India), WHO Data Team | [L-044](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-L-044.pptx) |
| *6* | *AI training best practices specification* | [*Xin Ming Sim*](mailto:xinming@aisingapore.org) *and* [*Stefan Winkler*](mailto:stefan@aisingapore.org) *(AI Singapore)* | [*R-051*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-051.docx) *(agreed online, 2023-03-16)* |
| *7* | *AI for health evaluation considerations* | [*Markus Wenzel*](mailto:markus.wenzel@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany)* | [*R-042-R1*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-042-R1.docx) *(agreed online, 2023-03-16)* |
| 7.1 | AI4H evaluation process description | [Yu (Ursula) Zhao](mailto:zhaoy@who.int) (WHO) | [G-207-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-G-207-A01.docx) |
| *7.2* | *AI technical test specification* | [*Auss Abbood*](mailto:abbooda@rki.de) *(Robert Koch Institute, Germany)* | [*R-069*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-069.docx) *(agreed online, 2023-03-16)* |
| 7.3 | Data and artificial intelligence assessment methods (DAISAM) reference | [Luis Oala](mailto:luis.oala@dotphoton.com) (Dotphoton, Switzerland) | [P-032](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-032.docx) ([L-052](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-L-052.pptx)) |
| *7.4* | *Clinical evaluation of AI for health* | [*Naomi Lee*](mailto:naomi.lee@nice.org.uk) *(NICE, UK),* [*Eva Weicken*](mailto:eva.weicken@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany),* [*Shubhanan Upadhyay*](mailto:shubs.upadhyay@ada.com) *(ADA Health, Germany)* | [*R-202*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-202.docx) *(agreed at R)* |
| 7.4A | Checklist (Annex) | [*Naomi Lee*](mailto:naomi.lee@nice.org.uk) *(NICE, UK),* [*Eva Weicken*](mailto:eva.weicken@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany),* [*Shubhanan Upadhyay*](mailto:shubs.upadhyay@ada.com) *(ADA Health, Germany)* | [R-063](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-063.docx) |
| 7.5 | Assessment platform | [Luis Oala](mailto:luis.oala@dotphoton.com) (Dotphoton, Switzerland), Marc Lecoultre and [Steffen Vogler](mailto:steffen.vogler@bayer.com) (Bayer AG, Germany) | [I-037](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-L-037.docx) |
| 8 | AI4H scale-up and adoption | [Sameer Pujari](mailto:pujaris@who.int) (WHO), [Yu Zhao](mailto:zhaoy@who.int) and Javier Elkin [Previously: Robyn Whittaker (New Zealand)] | – ([O-056](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-O-056.pptx)) |
| 9 | AI4H applications and platforms | [Manjeet Chalga](mailto:chalgams.hq@icmr.gov.in) (ICMR, India) | [L-050](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-L-050.docx) ([P-055](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-P-055.pptx)) |
| 9.1 | Mobile applications | [Khondaker Mamun](mailto:mamun@cse.uiu.ac.bd) (UIU, Bangladesh), [Manjeet Chalga](mailto:chalgams.hq@icmr.gov.in) (ICMR, India) | [Q-047](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FG-AI4H-Q-047.docx) |
| 9.2 | Cloud-based AI applications | [Khondaker Mamun](mailto:mamun@cse.uiu.ac.bd) (UIU, Bangladesh) | [I-049](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-I-049.docx) |
| *10* | *AI4H use cases: Topic description documents* | [*Eva Weicken*](mailto:eva.weicken@hhi.fraunhofer.de) *(Fraunhofer HHI, Germany)* | [*R-050*](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-050.docx) *(agreed online, 2023-03-16)* |
| 10.1 | Cardiovascular disease management (TG-Cardio) | [Benjamin Muthambi](mailto:brm5@caa.columbia.edu) (Watif Health, South Africa) | [R-006-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-006-A01.docx) |
| 10.2 | Dermatology (TG-Derma) | [Harsha Jayakody](mailto:harsha@flash.health) (Flash Health, Sri Lanka), [Ivy Lee](mailto:ivyannlee@gmail.com) (American Academy of Dermatology, USA) | [R-007-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-007-A01.docx) |
| 10.3 | Diagnosis of bacterial infection and anti-microbial resistance (TG-Bacteria) | [Nada Malou](mailto:nada.malou@paris.msf.org,nada_malou@yahoo.fr) (MSF, France) | [R-008-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-008-A01.docx) |
| 10.4 | Falls among the elderly (TG-Falls) | [Pierpaolo Palumbo](mailto:pierpaolo.palumbo@unibo.it) (University of Bologna, Italy) | [R-012-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-012-A01.docx) |
| 10.5 | Histopathology (TG-Histo) | [Frederick Klauschen](mailto:f.klauschen@lmu.de) (LMU Munich & Charité Berlin, Germany) | [R-013-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-013-A01.docx) |
| 10.6 | Malaria detection (TG-Malaria) | [Rose Nakasi](mailto:g.nakasi.rose@gmail.com) (Makerere University, Uganda) | [R-014-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-014-A01.docx) |
| 10.7 | Maternal and child health (TG-MCH) | [Alexandre Chiavegatto Filho](mailto:alexdiasporto@usp.br) (University of São Paulo, Brazil) | [R-015-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-015-A01.docx) |
| 10.8 | Neurological disorders (TG-Neuro) | [Marc Lecoultre](mailto:ml@mllab.ai) (MLlab.AI, Switzerland) and [Ferath Kherif](mailto:Ferath.kherif@chuv.ch) (CHUV, Switzerland) | [R-016-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-016-A01.docx) |
| 10.9 | Ophthalmology (TG-Ophthalmo) | [Arun Shroff](mailto:arunshroff@gmail.com) (MedIndia) | [R-017-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-017-A01.docx) |
| 10.10 | Outbreak detection (TG-Outbreaks) | [Auss Abbood](mailto:abbooda@rki.de) and [Alexander Ullrich](mailto:UllrichA@rki.de) (Robert Koch Institute, Germany); [Khahlil Louisy](mailto:klouisy@hks.harvard.edu) and [Alexander Radunsky](mailto:aradunsky@mail.harvard.edu) (Institute for Technology & Global Health, ITGH, US) | [R-018-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-018-A01.docx) |
| 10.11 | Psychiatry (TG-Psy) | [Nicolas Langer](mailto:n.langer@psychologie.uzh.ch) (ETH Zurich, Switzerland) | [R-019-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-019-A01.docx) |
| 10.12 | AI for radiology (TG-Radiology) | [Darlington Ahiale Akogo](mailto:darlington@gudra-studio.com) (minoHealth AI Labs, Ghana) | [R-023-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-023-A01.docx) |
| 10.13 | Snakebite and snake identification (TG-Snake) | [Rafael Ruiz de Castaneda](mailto:Rafael.RuizDeCastaneda@unige.ch) (UniGE, Switzerland) | [R-020-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-020-A01.docx) |
| 10.14 | Symptom assessment (TG-Symptom) | [Henry Hoffmann](mailto:henry.hoffmann@ada.com) (Ada Health, Germany) and [Martin Cansdale](mailto:martin@your.md) (Healthily, UK) | [R-021-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-021-A01.docx) |
| 10.15 | Tuberculosis (TG-TB) | [Manjula Singh](mailto:singhmanjula.hq@icmr.gov.in) (ICMR, India) | [R-022-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-022-A01.docx) |
| 10.16 | Volumetric chest CT (TG-DiagnosticCT) | [Kuan Chen](mailto:ckuan@infervision.com) (Infervision, China) | [R-009-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-009-A01.docx) |
| 10.17 | Dental diagnostics and digital dentistry (TG-Dental) | [Falk Schwendicke](mailto:falk.schwendicke@charite.de) and [Joachim Krois](mailto:Joachim.krois@charite.de) (Charité Berlin, Germany); [Tarry Singh](mailto:tarry.singh@deepkapha.ai) (deepkapha.ai, Netherlands) | [R-010-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-010-A01.docx) |
| 10.18 | Falsified Medicine (TG-FakeMed) | [Franck Verzefé](mailto:fverzefe@gmail.com) (TrueSpec-Africa, DRC) | [R-011-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-011-A01.docx) |
| 10.19 | Primary and secondary diabetes prediction (TG-Diabetes) | [Andrés Valdivieso](mailto:avaldivieso@anastasia.ai) (Anastasia.ai, Chile) | [R-024-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-024-A01.docx) |
| 10.20 | AI for endoscopy (TG-Endoscopy) | [Jianrong Wu](mailto:edwinjrwu@tencent.com) (Tencent Healthcare, China) | [R-025-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-025-A01.docx) |
| 10.21 | AI for musculoskeletal medicine (TG-MSK) | [Peter Grinbergs](mailto:tgmskorg@googlegroups.com) (EQL, UK), [Mark Elliott](mailto:m.t.elliott@warwick.ac.uk) (Warwick University, UK) | [R-026-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-026-A01.docx) |
| 10.22 | AI for human reproduction and fertility (TG-Fertility) | [Susanna Brandi](mailto:susanna.brandi@merckgroup.com), [Eleonora Lippolis](mailto:eleonora.lippolis@merckgroup.com), (Merck KGaA, Darmstadt, Germany) | [R-027-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-027-A01.docx) |
| 10.23 | AI for traditional medicine (TG-TM) | [Saketh Ram Thrigulla](mailto:dr.saketram@gmail.com) (Ministry of Ayush, India) | [R-028-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-028-A01.docx) |
| 10.24 | AI for point-of care diagnostics (TG-POC) | [Nina Linder](mailto:nina.linder@helsinki.fi) (University of Helsinki, Finland) | [R-029-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-029-A01.docx) |

NOTES

\* Approved deliverables are indicated in *italics*. The document numbers indicated reflect the status as of the end of the Meeting R. Some links provided are to slide sets; these slide sets are not meant to be the deliverable documents, but rather a status update concerning progress of the respective deliverable. Documents in parenthesis are status updates, not a deliverable text.

\*\* Acting editor

Other documents already approved:

| No. | Deliverable | Editor(s) | Reference |
| --- | --- | --- | --- |
| [AHG-DT4HE Output 1](https://www.itu.int/en/ITU-T/focusgroups/ai4h/Documents/FGAI4H-DT4HE-O-001.pdf) | Guidance on digital technologies for COVID health emergency | [Shan Xu](mailto:xushan@caict.ac.cn) (CAICT, China), [Ana Riviere-Cinnamond](mailto:rivierea@paho.org) (PAHO) | [K-042](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-K-042.docx) *(agreed K)* |
| [TG-Dental Output 1](https://www.itu.int/en/ITU-T/focusgroups/ai4h/Documents/FGAI4H-TG-Dental-O-001.pdf) | Artificial intelligence in dental research: A checklist for authors and reviewers | [Falk Schwendicke](mailto:falk.schwendicke@charite.de), [Joachim Krois](mailto:Joachim.krois@charite.de) (Charité Berlin, Germany) | [M-004](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-M-004.docx) *(agreed M)* |
| [TG-Dental Output 2](https://www.itu.int/en/ITU-T/focusgroups/ai4h/Documents/FGAI4H-TG-Dental-O-002.pdf) | Artificial intelligence for oral and dental healthcare: Core education curriculum | [Falk Schwendicke](mailto:falk.schwendicke@charite.de), [Joachim Krois](mailto:Joachim.krois@charite.de) (Charité Berlin, Germany) | [R-033](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-033.docx) *(agreed R)* |

Possible future Deliverables:

| No. | Deliverable | Updated initial draft editor | Reference |
| --- | --- | --- | --- |
| – | Open Code Initiative reference software implementation | [Marc Lecoultre](mailto:ml@mllab.ai) (MLlab.AI, Switzerland) | [K-043](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-K-043.docx) |
| – | Risk management in AI for health | [Pat Baird](mailto:pat.baird@philips.com) (Philips, USA) | [K-034](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-K-034.pptx) |

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