MEMORANDUM OF UNDERSTANDING

between

the World Health Organization, 20 avenue Appia, 1211 Geneva, Switzerland ("WHO")

and

Center for Disease Analysis Foundation (CDAF),

WHEREAS WHO, through its Department of Global HIV, Hepatitis and Sexually Transmitted Infections Programmes aims to develop the global estimates on the burden of Hepatitis B and Hepatitis C, develop strategies for elimination, and develop systems to monitor countries' progress towards elimination; generate country validated data and reports, and serve the vulnerable, including ensuring that its 194 member states meet the WHO 2030 hepatitis elimination goals.

WHEREAS the aims of Center for Disease Analysis Foundation, Inc (CDAF), a public health research organization specializing in epidemiology and disease modeling, are to support the elimination of Hepatitis B and C globally by 2030; It provides countries across the world with verified epidemiological data, disease burden and economic impact modeling, intervention strategies, access to affordable diagnostics and treatments, innovative financing models and knowledge-sharing interests to eliminate viral hepatitis B and C. It accomplishes its mission through two foundation initiatives: The Polaris Observatory and the Global Procurement Fund (GPRO).

WHEREAS WHO and *CDAF*, hereinafter also referred to as "the Parties", believe that technical collaboration between the two organizations will contribute to the shared goals of promoting the elimination of hepatitis as a public threat by 2030.;

WHEREAS the Parties furthermore believe that agreement in advance on certain aspects of individual collaborative projects (as the Parties may identify on a case-by-case basis) will facilitate the early implementation of such projects, in particular by facilitating the conclusion of the agreements to which such projects would be subject;

NOW, therefore, the Parties hereby agree as follows:

1. Areas of collaboration

Where possible and appropriate, the Parties wish to collaborate in the following areas:

- Estimate the global hepatitis disease burden
- Evaluate the 2020 target and progress for hepatitis elimination
- *Identify the challenges and opportunities*
- Provide the evidence for policy formulation

2. Collaborative activities

Any collaborative activity as outlined in article 1 above shall be subject to the availability of sufficient financial and human resources for that purpose, as well as each Party's programme of work, priority activities, internal rules, regulations, policies, administrative procedures and practices. Each collaborative activity shall thus be agreed on a case-by case-basis, subject to a separate exchange of letters or agreement. At the time of signing this Memorandum of Understanding, Parties have agreed to the collaborative activities described in Annex 1 attached hereto, which forms an integral part of this Memorandum of Understanding.

3. Funding

- 3.1 Each Party hereto shall be fully responsible for the funding of its activities under this Memorandum of Understanding, except as may otherwise expressly be agreed in any subsequent letter of agreement.
- 3.2 Each Party shall administer the funds handled by it in accordance with its financial regulations, rules and administrative practices.

4. Confidentiality

It is acknowledged that each Party may possess confidential information, which is proprietary to it or to third parties collaborating with it. Any such information shall only be shared between the Parties under a separate confidential disclosure agreement, specifically covering such information.

5. Publications

5.1 Subject to each Party's proprietary rights and/or the proprietary rights of others, and without prejudice to obligations of confidentiality, the results of any collaborative activity under this Memorandum of Understanding may be published by either Party. The Parties are encouraged to publish the results of their joint work in a collaborative fashion. Guidelines for authorship of major, international, peer-reviewed journals will be used to establish authorship of collaborative publications. In regard to separate publications, it is agreed that in order to avoid prejudicing proprietary rights and the confidentiality of information, the publishing Party shall transmit to the other party for its review the material intended to be published at least 60 days before a proposed publication is submitted to any editor, publisher, referee or meeting organizer. In the absence of any objection by the other Party within that 60-day period, concerning prejudice to proprietary rights or confidentiality of information, the publication may proceed. Any publication as referred to above shall duly acknowledge both Parties. In addition to review of the content of publications as referred to above, each Party shall have the right to review the acknowledgement and request reasonable changes to the use of its name, or request that its name be deleted altogether.

- 5.2 Copyright in any publications resulting from or relating to any of the collaborative activities under this Memorandum of Understanding, and prepared by one of the Parties hereto on its own, shall be vested in that Party, provided however, that any such publication shall be submitted to the other Party for review and comment in accordance with paragraph 5.1 above.
- 5.3 Unless otherwise agreed by the Parties, copyright in any work jointly prepared by the Parties shall be vested in WHO. For publications, WHO shall be the lead publishing party. In this capacity, WHO shall serve as copyright administrator and will act as the contact for third parties with regard to requests to reproduce or make use of the publications, or portions thereof, in any form or medium in all languages. WHO herewith grants the other Party a perpetual and irrevocable, non-exclusive, world-wide, royalty-free, sub-licensable license to use such jointly prepared work, or parts thereof, for public health purposes.
- 5.4 The collaboration of the Parties under this Memorandum of Understanding shall be duly acknowledged in any publication, unless a party does not wish to be associated with the publication. The wording of the acknowledgement shall be agreed between the Parties.
- 5.5 No publication or other work resulting from any of the collaborative activities under this Memorandum of Understanding shall contain commercial advertising or be used for the promotion of any commercial product or service.

6. Products resulting from the collaboration

- 6.1 The Parties shall make appropriate arrangements to promote that any product which may result from collaborative research and development work undertaken as a result of this Memorandum of Understanding, shall be made widely available to the public on reasonable terms, including in particular to the public sector of developing countries on preferential terms. Any possible additional benefits, including royalties, shall be granted to each Party with due account being taken of the relative value of each Party's financial, intellectual and other contributions to the product (provided that priority shall always be given to the objective of the Parties set forth in the first sentence of this paragraph 6.1).
- 6.2 Ownership of any intellectual property rights arising from collaborative activities under this Memorandum of Understanding shall be agreed by the Parties on a case-by-case basis. However, regardless of whether the Parties shall agree that ownership of the intellectual property rights of a particular collaborative activity shall be vested in one Party alone, or in any third party, the Parties agree that the industrial or commercial exploitation of such rights shall be designed to achieve the objectives set forth in paragraph 6.1 above, and shall be subject to and exercised in accordance with an agreement to be negotiate in good faith between the Parties, or the Parties and the third party concerned, as the case may be.

7. Liability

- 7.1 Each Party shall be solely responsible for the manner in which it carries out its part of the collaborative activities under this Memorandum of Understanding. Thus, a Party shall not be responsible for any loss, accident, damage or injury suffered or caused by the other Party, or that other Party's staff or subcontractors, in connection with, or as a result of, the collaboration under this Memorandum of Understanding.
- 7.2 The Parties shall make appropriate arrangements to cover liability risks for any collaborative activities involving product research and development.

8. Use of the Parties' names

Except as explicitly provided in this Memorandum of Understanding, neither Party shall, in any statement or material of a promotional nature, refer to the relationship of the other Party to the collaboration pursuant to this Memorandum of Understanding, or otherwise use the other Party's name, acronym and/or emblem, without the prior written consent of the other Party.

9. Relationship of the Parties

For the purposes of this Memorandum of Understanding, each Party is an independent contractor and not the joint venturer, agent or employee of the other Party. Neither Party shall have authority to make any statements, representations, or commitments of any kind, or to take any action which shall be binding on the other Party, except as may be explicitly provided for in this Memorandum of Understanding or authorized in writing by the other Party.

10. Termination

This Memorandum of Understanding will take effect upon signing by both Parties and will expire when all activities agreed thereunder have come to an end.

11. Amendments

This Memorandum of Understanding may only be amended in writing by mutual consent of the Parties.

12. Settlement of disputes

Any dispute relating to the interpretation or execution of this Memorandum of Understanding, or of any subsequent exchange of letters or agreement with respect to individual collaborative activities shall, unless amicably settled, be subject to conciliation. In the event of failure of the latter, the dispute shall be settled by arbitration. The arbitration shall be conducted in accordance with the modalities to be agreed upon by the Parties, or in the absence of agreement, in accordance with the rules of arbitration of the International Chamber of Commerce. The Parties shall accept the arbitral award as final.

13. Privileges and Immunities of WHO

Nothing contained herein shall be construed as a waiver of any of the privileges and immunities enjoyed by WHO under national or international law, and/or as submitting WHO to any national court jurisdiction.

14. Surviving provisions

The provisions of this Memorandum of Understanding that are intended by their nature to survive its expiration or earlier termination shall continue to apply.

Agreed and accepted:

For the World Health Organization For the Center for Disease Analysis Foundation

Signature:

Name: Dr Meg Doherty

Title: Director, Global HIV, Hepatitis

and STIs Programmes.

Date: July 9, 2020

Signature:

Name: Homie Razavi, PhD

Homie Razavi

Title: Managing Director

Date: July 29, 2020