

Data Transfer and Use Agreement (“Agreement”)

Provider: University of Washington	Recipient Institution (if applicable):
Provider: DOG AGING PROJECT Scientist Name: Daniel Promislow, PI Email: admin@dogagingproject.org	Recipient Individual Name: Alex Van Poznak Recipient Email: alexvp@umich.edu
Agreement Term	Project Title: Open Data Access
Start Date: Date of last signature below	

Terms and Conditions

- 1) The Dog Aging Project (Data Provider) shall provide the data set described in Attachment 1 (the “Data”) to Recipient for the sole purposes of research, education, and investigative journalism. For the purposes of clarity, Recipient shall not use or allow others to use the Data for commercial purposes. The Dog Aging Project shall retain all rights of ownership and any other rights it may have in the Data, and Recipient does not obtain any rights in the Data other than as set forth herein.
- 2) Access to download the Data from the Terra platform shall be provided free of charge by the Dog Aging Project to the Recipient. Any costs associated with utilizing Terra’s cloud computing capabilities, which requires Recipient to set up their own Google Cloud Billing Account, are the sole responsibility of the Recipient.
- 3) Recipient shall not use the Data except as authorized under this Agreement. The Data will not be misused or misrepresented to make false or unvalidated claims or to develop commercial products of any kind.
- 4) Except as required by law, Recipient agrees to retain control over the Data and shall not disclose, release, sell, rent, lease, loan, or otherwise grant access to the Data to any third party, without the prior written consent of the Dog Aging Project. Recipient agrees to establish appropriate administrative, technical, and physical safeguards to prevent unauthorized use of or access to the Data and comply with any other special requirements relating to safeguarding of the Data.
- 5) Recipient agrees to comply with the Dog Aging Project Minimum Standards of Privacy, attached hereto as Attachment 2 and incorporated by reference. Recipient agrees not to use the Data, either alone or in concert with any other information, to try to identify or contact any research participants (dog owners) based on information in the Data. Should Recipient inadvertently receive identifiable information or otherwise identify a research participant, Recipient shall promptly notify the Dog Aging Project and follow the Dog Aging Project’s reasonable written instructions, which may include return or destruction of the identifiable information. In addition, Recipient shall promptly report to the Dog Aging Project any use or disclosure of the Data not provided for by this Agreement of which it becomes aware.
- 6) Recipient agrees to use the Data in compliance with all applicable laws, rules, and regulations, as well as all applicable professional standards. In addition, Recipient acknowledges the Dog Aging Project Mission Statement and Core Values, attached hereto as Attachment 2 and incorporated by reference. By accessing the Data, Recipient understands that the Dog Aging Project is guided by such Dog Aging Project Mission Statement and Core Values, and Recipient is also expected to use the Data consistent with such Mission Statement and Core Values.

- 7) Recipient agrees to recognize the contribution of the Dog Aging Project as the source of the Data in all written, visual, or oral public disclosures concerning Recipient's research using the Data, as appropriate in accordance with scholarly standards and the following specific format:

Dog Aging Project. (2021). Dog Aging Project - 2020 Curated Data Open Access Release, version 1.1 [Data file and codebook]. <https://app.terra.bio/> : Terra at the Broad Institute of MIT and Harvard.

In-text acknowledgement should read:

This research is based on publicly available data collected by the Dog Aging Project, which is supported by U19 grant AG057377 (PI: Daniel Promislow) from the National Institute on Aging, a part of the National Institutes of Health, and by additional grants and private donations. These data are housed on the Terra platform at the Broad Institute of MIT and Harvard.

Additionally, the Recipient agrees to include a statement that the use of the Data does not imply collaboration with the Dog Aging Project and/or Dog Aging Project endorsement of any outcome derived from the Data nor of any claim made in any publications, press releases, publicity materials, public announcements, and/or product descriptions, etc., regarding a product or discovery. The Recipient is encouraged to share published works based on the Data with the Dog Aging Project by email at admin@dogagingproject.org.

- 8) This Agreement shall remain in effect unless terminated in accordance with this section or extended via a modification in accordance with Section 13. Either party may terminate this Agreement with thirty (30) days written notice to the other party's Authorized Official as set forth below. Upon termination of this Agreement, Recipient shall follow the disposition instructions provided in Attachment 1, provided, however, that Recipient may retain one (1) copy of the Data to the extent necessary to comply with the records retention requirements under any law.
- 9) Except as provided below or prohibited by law, any Data delivered pursuant to this Agreement is understood to be provided "AS IS." THE DOG AGING PROJECT MAKES NO REPRESENTATIONS AND EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE USE OF THE DATA WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK, OR OTHER PROPRIETARY RIGHTS. Notwithstanding, the Dog Aging Project, to the best of its knowledge and belief, has the right and authority to provide the Data to Recipient for use in the Project.
- 10) Except to the extent prohibited by law, the Recipient assumes all liability for damages which may arise from its use, storage, disclosure, or disposal of the Data. The Dog Aging Project will not be liable to the Recipient for any loss, claim, or demand made by the Recipient, or made against the Recipient by any other party, due to or arising from the use of the Data by the Recipient, except to the extent permitted by law when caused by the gross negligence or willful misconduct of the Dog Aging Project. No indemnification for any loss, claim, damage, or liability is intended or provided by either party under this Agreement.
- 11) Neither party shall use the other party's name, trademarks, or other logos in any publicity, advertising, or news release without the prior written approval of an authorized representative of that party. The parties agree that each party may disclose factual information regarding the existence and purpose of the relationship that is the subject of this Agreement for other purposes without written permission from the other party provided that any such statement shall accurately and appropriately describe the relationship of the parties and shall not in any manner imply endorsement by the other party whose name is being used.
- 12) Unless otherwise specified, this Agreement and the below listed Attachments embody the entire understanding between the Dog Aging Project and Recipient regarding the transfer of the Data to Recipient:

- I. Attachment 1: 2020 Curated Data Open Access Release - Specific Information

II. Attachment 2: Dog Aging Project Minimum Standards of Privacy and Dog Aging Project Mission Statement and Core Values

- 13) No modification or waiver of this Agreement shall be valid unless in writing and executed by duly-authorized representatives of both parties.
- 14) The undersigned Authorized Officials of Provider and Recipient expressly represent and affirm that the contents of any statements made herein are truthful and accurate and that they are duly authorized to sign this Agreement on behalf of their institution.

By an Authorized Official of Provider:

Signature

Date

John T. Slattery, PhD
Vice Dean for Research and Graduate Education
University of Washington School of Medicine

Contact Information for Formal Notices:

Laurie Halvorson
Director of External Business Relations
University of Washington School of Medicine
1959 NE Pacific Street, Suite F306
Seattle, Washington 98195
Email: lh48@uw.edu
Telephone: 206.616.5879

Read and Understood:

Signature

Date

Mandy Kauffman on behalf of
Daniel Promislow, PhD
Principal Investigator, Dog Aging Project
Professor
Department of Laboratory Medicine & Pathology
Department of Biology

By Recipient or an Authorized Official of Recipient:

DocuSigned by:

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6/22/2022

Signature

Date

Name: Alex Van Poznak

Title: student

Contact Information for Formal Notices:

Name: Alex Van Poznak

Address: 1804 Richcreek Road A
Austin TX 78757

Email: alexvp@umich.edu

Telephone: 201-906-3448

Attachment 1
Data Transfer and Use Agreement
2020 Curated Data Open Access Release - Specific Information

1. Description of Data:

The Dog Aging Project 2020 Curated Data Open Access Release is made up of the Health and Life Experience Survey (HLES), Canine Social and Learned Behavior (CSLB) survey, and Environment data. This 2020 release includes all data collected on or before December 31, 2020. All personally identifiable information (PII) and personal health information (PHI) provided by participants has been removed from this data release.

Health and Life Experience Survey (HLES)

The Baseline HLES is the foundation for all research conducted by the Dog Aging Project. Anyone who nominates a dog at <https://dogagingproject.org> is invited to complete the HLES. At this time, only one dog may be nominated per household. The HLES is made available through an individualized research portal. The HLES consists of ten sections and contains hundreds of questions about lifestyle, environment, behavior and health. Upon completion of the Baseline HLES, enrolled dogs become members of the research cohort called the Dog Aging Project Pack (DAP Pack). An annual Follow-Up HLES survey will be administered to all members of the DAP Pack on the yearly anniversary of their completion of the Baseline HLES.

27,541 HLES records are in the 2020 Curated Data Release. This includes all study participants who completed the 10 sections of HLES (and became members of the DAP Pack) on or before December 31, 2020.

Canine Social and Learned Behavior Survey (CSLB)

The CSLB Survey is used to assess age-related cognitive and behavioral changes in dogs. This survey instrument is a minimally modified version of the Salvin Canine Cognitive Dysfunction Rating Scale (Salvin HE et al., 2011). In the first year (2020) of the DAP study, the CSLB survey was administered to all DAP Pack members beginning in October. Any additional participants who became DAP Pack members in November and December 2020 were also administered the CSLB survey. Beginning in 2021, CSLB will be administered to all DAP Pack members annually every August.

20,096 CSLB records are in the 2020 Curated Data Release. This includes all DAP Pack members who completed CSLB on or before December 31, 2020.

Environment Data

The DAP Environment Data contains geographically-defined data from secondary sources pertaining to the dog's external environment. Environmental data are based on respondents' primary and (where applicable) secondary address information, provided in the HLES owner contact form. Respondent addresses are geocoded and linked to existing data that characterize various aspects of the dog's external environment.

56,285 Environment data records are included in the 2020 Curated Data Release, reflecting all study participants who became DAP pack members on or before December 31, 2020 (n=27,541).

2. Description of Project:

Open Data Access. No restrictions on use other than those included in this Agreement.

3. Provider Support and Data Transmission:

- Upon execution of this Agreement, the Dog Aging Project shall send specific instructions necessary to complete the transfer of the Data to the Recipient email listed above.
- The Dog Aging Project will provide the Recipient access to the Data on the Terra platform (<https://app.terra.bio/>).
- The following data documentation are made available through a publicly accessible GitHub repository, linked from the Terra platform:
 - PDFs of the survey instrument with annotations indicating variable names used in the curated data files.
 - A “codebook” file which lists variable names, survey question text, raw values, and value labels, for all fields in all data files.
- Data are provided in the following formats: comma-separated values (.CSV), R (.RData), STATA (.dta), and SPSS (.sav)
- Data Support Provided: The Dog Aging Project’s data manager can only support technical issues with the Terra workspace or potential problems with the data in the workspace.

4. Reimbursement of Costs:

☒ None

5. Disposition Requirements upon termination of the Agreement:

Recipient’s access to the Dog Aging Project 2020 Curated Data Open Access Release does not expire except as provided in this Agreement. Unless access has been terminated due to termination of this Agreement, Recipient will have ongoing access to the Data in the Terra platform. To avoid unintentional sharing of the Data, Recipient should delete local copies of the Data file when not in active use. If access to the Data is terminated, Recipient must delete all local copies of the data immediately.

Attachment 2

Data Transfer and Use Agreement

Dog Aging Project Minimum Standards of Privacy and Dog Aging Project Mission Statement and Core Values

DOG AGING PROJECT MINIMUM STANDARDS OF PRIVACY

About This Document

This document details the privacy guidelines to which all users of Dog Aging Project data must adhere.

Sharing Data

The Dog Aging Project (DAP) is an open data project and as such is committed to facilitating access to de-identified data collected for many kinds of scientific research. Further, DAP is committed to meet the mandate and continued commitment of the NIH to ensure that, to the fullest extent possible, the results of federally-funded scientific research are made available to and are useful for the general public, industry, and the scientific community.

As a longitudinal study of dogs, we are committed to sharing data about the dogs themselves. We also collect information about the dog owners ("research participants" in the context of this document) and are able to share some limited data about these participants, as described below. With respect to the privacy of our research participants, we follow the standards set by the U.S. Office for Human Research Participants (OHRP), as codified in Federal law.

Dog Aging Project Privacy Commitment

Protecting the privacy of our research participants is our top priority. This document briefly describes the information DAP collects from our research participants, and how DAP stores and protects information collected from our research participants, especially personally identifiable information (PII) and personal health information (PHI). Importantly, we spell out our expectations of external researchers who wish to access DAP data.

For the purposes of this privacy statement, PII includes the research participant's name, address(es), telephone number(s), email address(es), and date of birth. PHI includes any health information that is collected about the research participant, not the dog participant. DAP does not directly collect PHI from research participants, but recognizes that it may be provided or collected inadvertently from research participants. DAP is unlikely to share PII or PHI, unless through an approved Data Use Agreement.

The Data Collected by the DAP

DAP uses a proprietary research platform powered by REDCap to collect a wide range of data types, including survey data, veterinary electronic medical records, activity data, geocoded environmental data, biological samples, and raw data from sample processing (such as genomic sequence data).

Safeguarding Research Participants' Data

All dog participants are assigned a unique identification number (UIN). The data DAP obtains from research participants are stored under this UIN. All data collected from research participants and enrolled dogs are stored in an encrypted, password-protected database. In addition, all data uploaded to Terra, the official DAP cloud-based database, are stored by UIN. No PII is uploaded to Terra.

Within DAP, we limit who has access to the research participant's PII to a few individuals on the DAP research team. The UIN is the only link between PII and the information, data, and samples DAP collects about the research participant and their dog. The link between the UINs and research participants' PII is stored separately. DAP will make every effort to ensure the security and integrity of our internal database. If there is a breach of security, we will inform research participants.

DAP is covered by a Certificate of Confidentiality from the National Institutes of Health (NIH). Under the Certificate of Confidentiality, DAP is not required to release any identifying information about our research participants even if requested by a court of law. DAP will use the Certificate to resist any requests for identifying information.

However, DAP cannot use the Certificate to withhold research information disclosed by participants if participants give written consent to DAP to release the information. In addition, research participants are permitted to disclose their research information and/or participation in DAP without permission from DAP.

Expectations of Researchers Who Access DAP Data

Prior to accessing DAP data, DAP expects researchers to agree to adhere to the same standards of privacy DAP holds for its research participants and enrolled dogs. DAP expects the following of anyone who wishes to access the DAP data:

- Researchers will not misuse or misrepresent the data in any analysis or publication.
- Researchers agree not to try to identify or contact any research participants (dog owners) based on the accessed data, unless you have been granted access to PII or PHI.

DOG AGING PROJECT MISSION STATEMENT AND CORE VALUES

The mission of the Dog Aging Project is to conduct **rigorous scientific research** designed to define, explain, and ameliorate the effects of aging. To achieve this mission, we have built a **community of volunteers and researchers** united by a **shared love for dogs** and committed to helping dogs and humans live longer, healthier lives—together.

At the Dog Aging Project, our decisions are guided by our Core Values:

- We conduct rigorous scientific research using an interdisciplinary approach that encourages innovation.
- We build opportunities for collaboration, partnership, and growth that allow us to solve complex problems together.
- We value ethical behavior over expediency, which means we prioritize and ensure animal safety and welfare, maintain participant privacy and security, and practice participant and canine advocacy.
- We commit to transparency in all that we do, which includes sharing our scientific methods, making the data we collect openly available, declaring our funding sources, and communicating clearly with our team, our partners, and the public.
- We engage the public as citizen scientists, present evidence-based information in an accurate and accessible way, and provide educational opportunities for our participants.
- We foster a diverse, equitable, and inclusive working environment that is a growth opportunity for all and encourages a healthy work-life balance.

- We act with kindness, compassion, and respect toward all, including our team, our participants, our partners, and the public.