NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development

DASH Data and Specimen Hub

September 2024

DASH Quarterly eUpdate

In this issue:

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DASH Updates

NEW: Updated Institutional Certification Form

All study submissions to NICHD DASH must be accompanied by an Institutional Certification from responsible Institutional Official(s) of the submitting institution stating that an IRB or equivalent Privacy Board has determined that sharing of data via NICHD DASH is consistent with the informed consent and that the identities of research participants will not be disclosed to the NICHD. As of August 2024, there is now one consolidated Institutional Certification form for both data and biospecimen submissions.

Institutional Certification details and links have been updated across the DASH reference and submission pages to reflect this change. This change does not impact existing submissions. For current or future submissions, new study submissions must ensure that they are using the new Institutional Certification Form.

NEW Feature: Updated DASH Codebook

The DASH Codebook has been updated to enable submitters to provide information about data standards used in a study. The DASH Codebook now contains three new optional fields: Terminology Standard, "Other"

Standard, and Additional Standard Information. DASH also added a date/time option in the variable type field to annotate variables that represent a point in time. These changes will help DASH data users better understand the terminology standards and variable types used in a study before requesting study data. This update is part of ongoing DASH work to promote reusability, harmonization, and consistency of study data shared in DASH. All study submissions initiated after July 22, 2024 should use the updated DASH Codebook. Study submissions initiated before July 22, 2024 may continue with the previous version of the DASH Codebook. Learn more about the DASH Codebook in the **User Guide** and download the DASH Codebook Template from the **Submission Resources** page in DASH. Learn more about data standards at **Data Standards | NICHD - Eunice Kennedy Shriver National Institute of Child Health and Human Development (nih.gov).**

Studies Available in DASH

There are 232 studies archived in DASH covering 61 research topics including Pregnancy, Infant Care and Health, Infant Mortality, Pharmacology, Pediatric Injury, Child Health, and Traumatic Brain Injury.

Recently Released Studies

- Pharmacokinetics and Safety of Commonly Used Drugs in Lactating Women and Breastfed Infants - Ondansetron (BPCA BMS01 - Ondansetron)
  Study Description: This master protocol included multiple drugs of interest (DOIs) being studied. The primary objective of this study was to evaluate the pharmacokinetics of commonly used drugs in the blood and breastmilk of lactating women and in the blood of breastfed infants. The secondary objective was to describe the safety profile of commonly used drugs in infants exposed to drugs in breastmilk. This clinical study report presents data for the DOI ondansetron. Ondansetron plasma and breastmilk samples were collected from lactating women and their infants (≤180 days of age) enrolled in this study. The concentrations of ondansetron in maternal plasma and breastmilk were summarized by 3-hour time windows over 24 hours. The milk/plasma ratio, estimated daily infant dose, relative infant dose, and infant/maternal exposure ratio were calculated according to FDA guidance. Based on the concentration and safety data, ondansetron administered to breastfeeding mothers at doses of 4 mg/day is unlikely to result in clinically relevant exposures or adverse outcomes in breastmilk fed infants.
  Release Date: August 22, 2024

- Harmonized Upper and Lower Limb Accelerometry Data_Part2 (Harmonized Accelerometry_Part2)
  Study Description: This submission is Part 2 of a harmonized dataset of accelerometry data collected from eight NIH/NICHD-funded studies conducted by investigators at Washington University School of Medicine in St. Louis over the past 10+ years (Part 2 includes 2 out of 8 of these studies). This dataset includes accelerometry data from the upper limbs as well as demographic and clinical information about the participants. Participants in this dataset span a variety of conditions, age ranges, and geographical locations. While the specific aims and hypotheses of each of the studies differed, they all employed the same or similar accelerometry-based methodology to measure movement behavior of the upper limbs. We therefore harmonized data from these studies into one cohesive harmonized dataset (available on NICHD DASH as Part1 and Part2) to maximize the usefulness and accessibility of the data to other investigators who have research questions that can be answered using wearable sensor/accelerometry data. Users may request access to one or both parts, depending on their research question.
  Release Date: August 15, 2024

- Harmonized Upper and Lower Limb Accelerometry Data_Part1 (Harmonized Accelerometry_Part1)
  Study Description: This submission is Part 1 of a harmonized dataset of accelerometry data collected from eight NIH/NICHD-funded studies conducted by investigators at Washington University School of Medicine in St. Louis over the past 10+ years (Part 1 includes 6 out of 8 of these studies). This dataset includes accelerometry data from the upper and lower limbs as well as demographic and clinical information about the participants. Participants in this dataset span a variety of conditions, age ranges, and geographical locations. While the specific aims and hypotheses of each of the studies differed, they all employed the same or similar accelerometry-based methodology to measure movement behavior of the upper and/or lower limbs. We therefore harmonized data from these studies into one cohesive

harmonized dataset (available on NICHD DASH as Part1 and Part2) to maximize the usefulness and accessibility of the data to other investigators who have research questions that can be answered using wearable sensor/accelerometry data. Users may request access to one or both parts, depending on their research question.
Release Date: August 15, 2024

- A Randomized Controlled Trial of the Effect of Hydrocortisone on Survival Without Bronchopulmonary Dysplasia and on Neurodevelopmental Outcomes at 22-26 Months of Age in Intubated Infants <30 Weeks Gestation Age (Hydrocortisone for BPD)
  Study Description: The Hydrocortisone and Extubation study tested the safety and efficacy of a 10-day course of hydrocortisone for infants who were less than 30 weeks estimated gestational age and who were intubated at 14-28 days of life. Infants were randomized to receive hydrocortisone or placebo. The study determined that hydrocortisone treatment starting on postnatal day 14 to 28 did not result in substantially higher survival without moderate or severe bronchopulmonary dysplasia than placebo. Survival without moderate or severe neurodevelopmental impairment did not differ substantially between the two groups.
  Release Date: July 15, 2024

Recently Updated Study

- Preconception Maternal Nutrition Trial Women First (Enrollment to 24 Months After Birth) (Women First)
  Study Description: Multi-country three-arm, individually randomized, non-masked, controlled trial to ascertain the benefits of ensuring optimal maternal nutrition before conception and providing an evidence base for programmatic priority directed to minimizing the risk of malnutrition in all females of reproductive age. The objective is to determine the benefits to the offspring of women in poor, food-insecure environments of commencing a daily comprehensive maternal nutrition supplement (with additional balanced calorie/protein supplement for underweight participants) ≥ 3 months prior to conception versus the benefits of commencing the same supplement at 12 weeks gestation and also to compare offspring outcomes with those of a control group which receives no supplement.
  Updates: The Preconception Maternal Nutrition Trial Women First (Enrollment to 24 Months After Birth) (Women First) study has added 2 new datasets describing 24 months follow-up outcomes for live births.
  Release Date: December 31, 2019
  Update Date: August 15, 2024

Studies Offering Biospecimens in DASH

Over 190,000 biospecimens and 29 sample types from eight studies are available for request through DASH. These collections span research topics including HIV/AIDS, Infant and Child Health, Women's Health, Pregnancy, Preterm Labor and Birth, and Breastfeeding. Additional biospecimen collections will also be added in the future. To explore available samples in DASH, select the **Study Name** in the following list of studies offering biospecimens:

- Genomic and Proteomic Network for Preterm Birth Research Expression Profiling Study (GPN-PBR EP) biospecimens
- Genomic and Proteomic Network for Preterm Birth Research GWAS Case Control Study (GPN-PBR CC) biospecimens
- Genomic and Proteomic Network for Preterm Birth Research Longitudinal Cohort Study (GPN-PBR LS) biospecimens
- Prospective Study of Perinatal Transmission of HIV Infection and Developmental Outcome of Children Infected with HIV: Mothers and Infants Cohort Study (MICS) biospecimens
- A Prospective, Observational Study of HIV-Infected Pregnant Women and HIV-Exposed, Uninfected Children at Clinical Sites in Latin American Countries (NISDI LILAC) biospecimens
- A Prospective, Observational Study of HIV-Infected Pregnant Women and Their Infants at Clinical Sites in Latin American and Caribbean Countries (NISDI Perinatal) biospecimens

- A Prospective, Observational Study of HIV-Exposed and HIV-Infected Children at Clinical Sites in Latin American and Caribbean Countries (NISDI Pediatric) biospecimens
- NISDI Pediatric Latin American Countries Epidemiological Study: A Prospective, Observational Study of HIV-infected Children at Clinical Sites in Latin American Countries (NISDI PLACES) biospecimens

Additional Specimens Available: The Reproductive Medicine Network (RMN) has serum, semen and/or DNA biospecimens available for request. If you are interested in obtaining biospecimens from these studies, please refer to the RMN Biospecimen Sharing Policy under the list of Descriptive Documents on the study pages:

- Pregnancy in Polycystic Ovary Syndrome II: A 25 Week Double-Blind Randomized Trial of Clomiphene Citrate and Letrozole for the Treatment of Infertility in Women with Polycystic Ovary Syndrome (PPCOS II) - serum
- Assessment of Multiple Intrauterine Gestations from Ovarian Stimulation (AMIGOS) - serum, semen, and DNA
- Males, Antioxidants, and Infertility Trial (MOXI) - serum, semen, and DNA

Publications Resulting from Data Reuse

Since the launch of DASH in August 2015, there have been 131 peer-reviewed publications resulting from DASH data reuse, with an average time of 1.6 years to publish. We encourage you to look through these publications on the Publications from DASH Data Reuse page.

Recent Publications:

- Targeting survival without morbidity: Heart rate characteristics for oxygen supplementation optimization in neonatal care

  Authors: Urvi Jhaveri Sanghvi, William E. King, Colm P. Travers, Vivek V. Shukla, Robert L. Schelonka, Namasivayam Ambalavanan, Waldemar A. Carlo, Clyde Wright

  Publication Date: August 26, 2024
- Screening for Turner syndrome-associated hyperglycemia: evaluating hemoglobin A1c and fasting blood glucose

  Authors: Maria Parra Villasmil, Andrew W Norris, Kelli K Ryckman, Catherina Pinnaro

  Publication Date: August 1, 2024

  DASH Study: The Surfactant Positive Airway Pressure and Pulse Oximetry Trial in Extremely Low Birth Weight Infants (SUPPORT)
- Heart Rate Characteristics Predict Risk of Mortality in Preterm Infants in Low and High Target Oxygen Saturation Ranges

  Authors: William E King, Urvi Jhaveri Sanghvi, Namasivayam Ambalavanan, Vivek V Shukla, Colm P Travers, Robert L Schelonka, Clyde Wright, Waldemar A Carlo

  Publication Date: July 15, 2024

  DASH Study: The Surfactant Positive Airway Pressure and Pulse Oximetry Trial in Extremely Low Birth Weight Infants (SUPPORT)
- School belonging mediates the longitudinal effects of racial/ethnic identity on academic achievement and emotional well-being among Black and Latinx adolescents

  Authors: Seowon Song, Monica Martin, Zhe Wang

  Publication Date: June 13, 2024

  DASH Study: The Impact of Grade Retention: A Developmental Approach (Project Achieve)
- Comparison of red blood cell transfusions and hemostatic transfusions and their relation to thromboses in pediatric patients receiving extracorporeal membrane oxygenation therapy

  Authors: Michael J Martinez, Tahmineh Romero, Myke D Federman
  Publication Date: June 8, 2024
  DASH Study: Bleeding and Thrombosis During ECMO (BATE)

- Physiologically-based pharmacokinetic modeling of pantoprazole to evaluate the role of CYP2C19 genetic variation and obesity in the pediatric population.

  Authors: Elizabeth J Thompson, Angela Jeong, Victória E Helfer, Valentina Shakhnovich, Andrea Edginton, Stephen J Balevic, Laura P James, David N Collier, Ravinder Anand, Daniel Gonzalez

  Publication Date: June 4, 2024

  DASH Study: The Effect of Obesity on the Pharmacokinetics of Pantoprazole in Children and Adolescents (BPCA PAN01)
- The joint operations of teacher-student and peer relationships on classroom engagement among low-achieving elementary students: A longitudinal multilevel study

  Authors: Tianyu Li, Zhe Wang, Gabriel J. Merrin, Sirui Wan, Kaiwen Bi, Michaela Quintero, Seowon Song

  Publication Date: June 1, 2024

  DASH Study: The Impact of Grade Retention: A Developmental Approach (Project Achieve)
- Early-Life Digital Media Experiences and Development of Atypical Sensory Processing

  Authors: Karen Frankel Heffler, Binod Acharya, Keshab Subedi, David S Bennett

  Publication Date: January 9, 2024

  DASH Study: National Children's Study (NCS)

DASH Data/Biospecimen Use Acknowledgments and DOI Usage

As a reminder, NICHD requires all investigators who access research data and biospecimens from NICHD DASH to acknowledge the contributing investigator(s) who conducted the original study, the funding organization(s) that supported the original study, and NICHD DASH in all resulting oral or written presentations, disclosures, or publications of the analyses. All DASH studies are uniquely identified with a Digital Object Identifier (DOI) and investigators should use the DASH DOI to cite the study in any manuscripts or other published content resulting from the use of data from that study.

Specific guidance for acknowledgement text and DOI citation is provided in the following DASH resources:

- The Data Request Form obtained from DASH when processing a request online; the Data Request Form also includes any study-specific acknowledgements as specified by the data submitter.
- The respective study overview page in DASH.

Implementing the NIH Policy for Data Management & Sharing

DASH and the Data Management and Sharing Policy

The NIH Data Management and Sharing (DMS) Policy (DMS Policy) strongly encourages the use of established repositories such as DASH for sharing scientific data. DASH adheres to the desired characteristics for data sharing repositories described in Supplemental Information to the NIH Policy for Data Management and Sharing: Selecting a Repository for Data Resulting from NIH-Supported Research, including support for free and easy access, access controls for human participant data, curation and quality assurance, and security and integrity. DASH creates Digital Object Identifiers (DOIs) as unique persistent identifiers for tracking and citing all datasets shared through DASH.

Plan to Submit Your Data to DASH

The DASH Submission Resources page contains information to guide researchers developing Data Management and Sharing Plans as part of their grant applications or intramural clinical protocols. Researchers planning to use DASH should include DASH submission-specific milestones and timelines in their DMS Plan and should consider those milestones when developing a DMS budget. Costs associated with biospecimen sharing should not be included in DMS budgets. DMS Plan milestones include:

- Researchers who plan to share data through DASH are required to submit an Institutional Certification to verify that study data are appropriate for sharing in DASH, **within the first year of grant award.**
- **By the second year of grant award**, investigators should submit a draft DASH Codebook, which is a templated data dictionary that captures information about datasets, variables, and coded values for all data submitted for a given study.
- As soon as the **data collection protocol is complete**, researchers should submit the final DASH Codebook to DASH.
- Investigators will share **data associated with a publication** through DASH no later than the first date of electronic publication and will share all study data by the end of the award performance period. Plan to submit data to DASH 4-6 months prior to expected publication release date for a given dataset.

All researchers funded by or seeking funding from NICHD for clinical research can share clinical data in DASH and do not need a Letter of Approval to include data sharing in DASH in their Data Management and Sharing Plan.

NICHD Office of Data Science and Sharing (ODSS) Web Resources

The NICHD Office of Data Science and Sharing (ODSS) is a trusted informational resource for NICHD staff and researchers on all NIH data sharing policies. The NICHD ODSS website contains a Data Management and Sharing (DMS) Policy Resources section for the NICHD researchers developing and implementing their DMS Plans, including Tips for Writing a DMS Plan, Example DMS Plans, the NICHD Data Repository Finder to help researchers find data repositories where they can share data, and links to data repository, and informed consent informational resources.

- In June 2024, NICHD ODSS released a new DMS Policy Resource Common Issues in NIH Data Management & Sharing (DMS) Plans. The DMS Policy also encourages the use of data standards to improve the usability of shared data, see our Data Standards page for more.
- In April 2024, NICHD ODSS made a number of updates to the DMS Policy Resource section of the website, including adding tips for "secondary analysis plans" to Tips for Writing a DMS Plan, and additional NICHD-relevant data standards.

NIH Resources and Guidance for the DMS Policy

NIH continues to update their Scientific Data Sharing site resource. At this site, you and your investigators can stay up to date on public-facing NIH data sharing policy-related statements, FAQs, resources (including the DMS Plan format page), news, and events, and look for training opportunities.

OER announced that instructions and processes for extramural researchers to budget DMS costs will change on October 5, 2023. See: *NOT-OD-23-161: NIH Application Instruction Updates – Data Management and Sharing (DMS) Costs*

OER announced that NIH plans to implement new DMS Policy questions for RPPRs submitted on or after October 1, 2024. See: *NOT-OD-24-123: Reporting Data Management and Sharing (DMS) Plan Activities in the Research Performance Progress Report (RPPR)*

Additionally, researchers can use the following NIH-wide resources to identify data repositories for sharing their data:

- **NIH Repositories for Sharing Scientific Data**: https://sharing.nih.gov/data-management-and-sharing-policy/sharing-scientific-data/repositories-for-sharing-scientific-data
- **Genomic Data Repositories**: https://sharing.nih.gov/genomic-data-sharing-policy/submitting-genomic-data/where-to-submit-genomic-data
- **National Library of Medicine repository resources**:
    - https://www.nnlm.gov/finder
    - https://www.nlm.nih.gov/NIHbmic/domain_specific_repositories.html

Webinars and Trainings on Implementing the NIH Data Management and Sharing Policy

NIH is hosting several webinars to provide information and training on implementing the DMS Policy.

- **Data Sharing Presentations from 2023 NIH Grants Conference Available**
  - The 2022-2023 conference season is over, but the opportunity to learn from it isn't. Explore the recordings, slide sets, and transcripts. If you have questions, check out the FAQs and other resources on the NIH Grants & Funding site.
  - ***Genomic Data Sharing, Other Sharing Policies, and Open Q&A:*** Video, PowerPoint, Transcript
  - ***The NIH Final Policy for Data Management and Sharing is in Effect: Planning for Success!:*** Video, PowerPoint, Transcript

- **NICHD Implementation of the DMS Policy at a FASEB DataWorks! Salon**
  NICHD ODSS Deputy Director Valerie Cotton presented findings from NICHD implementation of the DMS Policy at a FASEB DataWorks! Salon on January 17, 2024. The Salon is a virtual conversation series about best practices and emerging issues in data management. January's topic is creating a quality data management plan, which focused on guidance to understand the DMS Policy and how to create quality plans as well as learnings/common mistakes to avoid as investigators make plans now that we have information from the policy's first year.
- **Federal Demonstration Partnership (FDP) NIH Data Management & Sharing (DMS) Pilot**
  NICHD's Office of Data Science & Sharing (ODSS), in collaboration with the FDP, is seeking feedback on DMS Plan templates as part of this newly launched pilot effort. The Alpha and Bravo templates are available on the FDP website or through the DMPTool. ODSS encourages researchers to review and use the templates to develop their DMS Plans, and provide feedback on the templates' effectiveness and usability. The Alpha template guides the user through a structured, modular approach to limit the need for free text entry, while the Bravo template provides detailed prompts for each type of data and options for more free text entry. FDP and NIH will use feedback collected through the pilot to refine the templates and make the final versions available.
- NICHD ODSS presented at the third FDP DMS Town Hall. During this Town Hall, NICHD and other NIH program officials participating in the FDP Data Management and Sharing pilot shared their preliminary observations on the first rounds of DMS plans submitted to NIH. Information was also shared on Phase 2 of the pilot which will focus on cost principles and budgeting issues related to data sharing. Slides and recording can be found on the NIH Learning webpage.

NIH Data Sharing and Reuse Seminar Series

The NIH Office of Data Science Strategy hosted a seminar series to highlight exemplars of data sharing and reuse. The monthly series highlighted researchers who took existing data and found clever ways to reuse the data or generate new findings. A different NIH institute or center (IC) also shares its data science activities each month. Recordings of past seminars are available on the Seminar Web page.

Next month's seminar will be hosted by Maryellen L. Giger, Ph.D who will present "The Role of MIDRC in Medical Imaging AI" on October 11, 2024, at 12:00 PM EST. Webinar Registration.

NICHD Funding Opportunities and Notices

All active Funding Opportunity Announcements issued by NICHD can be found on the NICHD Grants and Contracts page. To learn more about a funding opportunity, select the **Name of the Funding Opportunity** in the following list:

- NOT-HD-24-028 Request for Information (RFI): NICHD Strategic Plan 2025

- NOT-OD-24-256 Archiving and Documenting Child Health and Human Development Data Sets (R03 Clinical Trial Not Allowed)
- NOT-OD-24-096 Notice of Special Interest (NOSI): Promoting Data Reuse for Health Research
- NOT-HD-24-017 Notice of Expiration of PAR-22-261 "Archiving and Documenting Child Health and Human Development Data Sets (R03 Clinical Trial Not Allowed)
- NOT-MH-24-115 Notice of Special Interest (NOSI): Translation of BRAIN Initiative Technologies to the Marketplace
- PAR-24-081 Omics Phenotypes Related to Down Syndrome for the INCLUDE Project (X01 Clinical Trial Not Allowed)
- NOT-DC-24-010 Notice of Special Interest (NOSI): Tackling Acquisition of Language in Kids (TALK) R01 Research Projects
- RFA-NS-24-019 HEAL Initiative: Non-addictive Analgesic Therapeutics Development [Small Molecules and Biologics] to Treat Pain (UG3/UH3 Clinical Trial Optional)
- RFA-NS-24-023 HEAL INITIATIVE: Development and validation of remote or patient wearable device derived objective biosignatures or functional assessments to monitor pain for use as endpoints in clinical trials (UG3/UH3 - Clinical Trial Optional)
- PAR-22-261 Archiving and Documenting Child Health and Human Development Data Sets (R03 Clinical Trial Not Allowed)
- PAR-23-075 Small Research Grants for Analyses of Gabriella Miller Kids First Pediatric Research Data (R03 Clinical Trial Not Allowed)
- PAR-23-037 Multisite Clinical Research: Leveraging Network Infrastructure to Advance Research for Women, Children, Pregnant and Lactating Individuals, and Persons with Disabilities (U01 Clinical Trial Optional)
- PAR-21-229 Screening and Functional Validation of Human Birth Defects Genomic Variants (R01 Clinical Trial Not Allowed)

NICHD – Relevant Funding Opportunities and Notices

Additional active Funding Opportunity Announcements relevant to NICHD are included below. To learn more about a funding opportunity, select the **Name of the Funding Opportunity** in the following list:

- RFA-OD-24-011 NIH Research Software Engineer (RSE) Award (R50 Clinical Trials Not Allowed)
- RFA-OD-24-010 Building Sustainable Software Tools for Open Science (R03 Clinical Trial Not Allowed)
- NOT-GM-24-020 Topic Areas of Interest for Joint NIH/NSF Science of Science Approach to Analyzing and Innovating the Biomedical Research Enterprise (SoS:BIO) Program
- RFA-DA-25-021 Effect of HIV and Substance Use Comorbidity on the Placenta and Maternal Outcomes (R01 Clinical Trial Optional)
- RFA-NS-24-023 HEAL INITIATIVE: Development and validation of remote or patient wearable device derived objective biosignatures or functional assessments to monitor pain for use as endpoints in clinical trials (UG3/UH3 - Clinical Trial Optional)
- PAR-23-237 Enhancement and Management of Established Biomedical Data Repositories and Knowledgebases (U24 Clinical Trial Not Allowed)
- NOT-OD-23-165 Notice of NIH Participation in the National Science Foundation Solicitation NSF 23-614: Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science
- NOT-OD-23-166 Notice of Special Interest in Research on Family Support and Rejection in the Health and Well-Being of SGM Populations
- PAR-23-132 NIDCR Small Research Grants for Analyses of Existing Genomics Data (R03 Clinical Trial Not Allowed)

- PAR-23-133 NIDCR Research Grants for Analyses of Existing Genomics Data (R01 Clinical Trial Not Allowed)
- NOT-OD-23-068 Notice of Special Interest (NOSI): Revision Applications to add a Curation and Informatics Component to existing Animal and Biological Material Resource Centers (P40) (Clinical Trials Not Allowed)
- NOT-LM-23-001 Notice of Special Interest (NOSI): Computational and Statistical Methods to Enhance Discovery from Health Data
- PAR-22-261 Archiving and Documenting Child Health and Human Development Data Sets (R03 Clinical Trial Not Allowed)
- NOT-CA-23-026 Notice to Correct and Clarify Eligibility Requirements in PAR-21-306, NCI Research Specialist (Clinical Scientist) Award (R50 Clinical Trial Not Allowed)
- NOT-GM-23-015 Notice of Special Interest (NOSI): Optimization of Data Storage and Utilization for the Sequence Read Archive (SRA)

Previous issues of the DASH Quarterly eUpdate are available on the NICHD ODSS Website in the NICHD Data and Specimen Hub (DASH) section.

Questions? Please contact the DASH Administrator at SupportDASH@mail.nih.gov.

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