The University of New Mexico Health Sciences Center Mother's Consent/Assent to Participate in Research

The Navajo Birth Cohort Study

10/31/2011

Introduction

Based on community input, and input from Navajo Nation officials and researchers conducting studies on uranium health impacts on the Navajo Nation, Agency for Toxic Substances and Disease Registry (CDC/ATSDR) determined that the greatest need was research on the effects of uranium exposures on reproductive and developmental outcomes on the Navajo Nation. In September 2010, CDC/ATSDR selected the University of New Mexico to develop, coordinate and conduct, in partnership with the Navajo Area Indian Health Service (NAIHS) and Navajo Nation Division of Health (NNDOH), and Navajo Nation Environmental Protection Agency (NNEPA), a prospective birth cohort study — called the Navajo Birth Cohort Study (NBCS) — to investigate the effects of environmental exposures to uranium and other toxicants on pregnancies and child development on the Navajo Nation over a three-year period. Direct funding has been provided to UNM, NAIHS and the NNDOH. NAIHS in turn will fund the key medical facilities identified as necessary to answer the communities' questions, based on the number of deliveries and the potential for exposure to uranium wastes: Northern Navajo Medical Center, Chinle Comprehensive Health Care Facility, Gallup Indian Medical Center, Tuba City Regional Health Care Corporation and Tséhootsooí Medical Center.

The principal investigator for the Navajo Birth Cohort Study is Johnnye Lewis, Ph.D., D.A.B.T., who is the director of the Community Environmental Health Program (CEHP) at the University of New Mexico Health Sciences Center (UNMHSC) in Albuquerque. Dr. Lewis is assisted by David Begay, Ph.D., co-investigator, who is also with UNM-CEHP; co-investigator Adrienne Ettinger, ScD., MPH, from Yale University; and Christopher Shuey, MPH, with Southwest Research and Information Center (SRICYou (or your child) are being asked to participate in this study because you are (or your child is) pregnant and will be delivering at Northern Navajo Medical Center, Chinle Comprehensive Health Care Facility, Gallup Indian Medical Center, Tuba City Regional Health-Care Corporation, or Tséhootsooí Medical Center, and are willing to have your baby in the study during the baby's first year. An estimated total of 1600 mothers and fathers, and their children living on the Navajo Nation will take part in this study.

This form will explain the research study, and will also explain the possible risks as well as the possible benefits to you. You will be asked to consent for both yourself and your child if you are over 18 years of age. If you are under 18, you will be asked to assent to your interest in participating in the study, to consent for the participation of your child, and we will need the consent of your parent to actually include you in the study.

What will happen if I decide to participate?

If you agree to participate, the following things will happen: While you are pregnant we will

> Interview you in a culturally appropriate and sensitive manner to identify any contact you might have had with environmental chemicals through work or other activities, your health and reproductive

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history, demographic information (age, income, education, and where you have lived), how you use the land and water around you, medicines you use, and your smoking and drug use history.

- · Determine exposure risks in and around your home by
 - Asking questions in the survey about your home. We will use existing information when it is available, collect air and dust samples and scan your home, as well as look around for anything in the home that might pose a concern for health.
 - If you move while you are pregnant, we will ask the same questions about your new home.
- · Conduct a health and exposure assessment
 - We will collect blood and urine to look for uranium, and other metals that you may have come in contact with in your environment, as well as other contaminants related to oil and gas production, household chemicals, burning of coal or wood in your home. (Some of the blood and urine may be stored for later testing as additional funding becomes available);
 - We will collect about 1 tablespoon of blood and 2 tablespoons of urine from you at enrollment and/or during prenatal appointments in the first and third trimester (or at delivery) (Note: all blood will be drawn by licensed health care professionals, whether in the home or the clinic.);
 - We will encourage you to have regular prenatal examinations with your healthcare provider;
 - We will collect information from your medical records for this pregnancy and delivery, any
 previous pregnancies, and your general health history to look at things that might affect birth
 outcomes;
 - Place a note in your medical record to identify you as a research participant for the duration of this study.
 - We will also look for changes or damage to your health that may be related to the contaminants like uranium
- We will ask if you have discussed your participation in the study with the baby's father, and if he is
 willing to participate in the study. You will be asked if you are willing to provide the name of the
 father of your baby so that we may contact him and, with his consent, interview him to determine
 similar exposure and health history;
- · Your participation does not require identification or participation of the baby's father;
- We will conduct follow-up visits and work with your healthcare provider to follow your pregnancy through your medical record.
- At a third trimester appointment (or delivery) we will draw about 2/3 of a Tablespoon of blood from a vein in your arm and collect urine again to look for metals such as uranium, and the other contaminants we mentioned above.

When the baby is born

- Approximately 1 tablespoon of cord blood will be collected from the baby (cord blood is collected
 after birth from the end of the cord still attached to the placenta);
- · 1 tablespoon of blood will be collected from you
- Approximately 2 Tablespoons of urine will be collected from the baby in a sterile container in the nursery
- We will also collect urine from you (about 1 Tablespoon)
- We will look for the same contaminants, as well as biological changes in the immune system, circulation system, kidney and DNA repair proteins.
- To ensure compliance with the Navajo Nation Human Research Review Board moratorium on genetic analyses, no genetic analyses will be done in this research.
- With your permission we will also collect about 2 Quarter-size amounts of meconium (baby's first stool – when available).
- We will test meconium for signs of contact during the pregnancy with radioactive materials, as well as alcohol in some of the participants,

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,	You	can refuse the mo	econium tests and still remain in the study.		
		☐ Yes, I cor	nsent for you to analyze baby's first stool _	(Initial here if	checked)
		□ No, I do r	not consent for you to analyze baby's first si	tool(Initial h	ere if checked)
At 2 mon	ths to or	ne year of age			
	At on will be We we during contain blood We we	vill do three home engs, your home en her when the baby need to be assesse O During the hobservations growth and problem solve earliest time problems be made to ensure year after birth, the administered by till collect about 1 g the baby's 2 mominants. This blo draw.	visits to conduct shorter surveys in your hovironment and baby-feeding activities, and is 2 months, 6 months, 9 months and 12 m d again if you move. Each visit will take abome visits we will look at the baby's develor done by you (or a caregiver) and one of our progress on gross and fine motor skills, comoving skills. These observations will help to when additional care and services are most identified, referrals to Navajo Nation's Grown your family is provided with all available an additional questionnaire, the Mullen Scara trained professional in a location out of the tablespoon of urine (using a diaper liner) and one year visits to clinics to look at the care giver at your request), in writing, in the care giver at your request, in writing,	see how you and you nonths old. Your he wout I hour. Topment with short, it is staff. We will loo amunication, person find any delays in delays in Beauty Profession of Early Learning the home but close that less than I teasp the same environments or heel stick, not	our baby act ome environment n-home k at your baby's al social, and development at the y possible gram will be ces. ng (MSEL), by. coon of blood ental a venous needle
participation while in the	on in the e study,	e study and your v , we will ask you	ity, as well as any records through Growing willingness to be contacted for any future for to sign another consent form to remain in the affect your participation in this study.	llow-up research. I	f vou turn 18
Please init	ial here	if you ARE willir	ng to be contacted for future studies.		
Please init	ial here	if you are NOT w	villing to be contacted for future studies.		
How lo	ng wil	ll I be in this	study?		
Participation post-natal	on in thi and deli	s study is estimate very visits.	ed to take about 10 to 20 hours over a 2 year	ar period beyond rou	itine pre- and
What a	re the	risks or sid	e effects of being in this study	?	
You may e affect healt study	xperien th. Ther	ce stress and emo re may be a possib	tional distress when learning about environ- ble loss of privacy and some inconvenience	mental exposures ar with participating i	nd how they may n a research
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All precautions will be taken when your blood is drawn. Blood samples will be drawn using the same procedures used in standard hospital testing procedures. The most common risks of having a blood sample taken are temporary discomfort or pain from the needle stick site, occasional bruising, sweating, light-headiness, and in rare cases, faintness or infection.

There are no risks or discomfort associated with giving a urine sample.

For more information about risks and side effects contact Beverly Becenti-Pigman at the Navajo Nation Human Research Review Board at 928-871-6650 and the Principal Investigator, Johnnye Lewis, at 877-545-6775.

What are the benefits to being in this study?

You may benefit directly by the information gained from increased environmental assessments and monitoring conducted around your home. In addition, should any environmental hazards of concern be identified during our assessment that could present a risk, you will be immediately notified so that action to remove or lessen that risk can be undertaken. You will also be informed of Navajo Nation and federal programs that can help you determine how best to manage these risks. Should any radioactive contamination be identified in your home, you will be referred to an ongoing program administered by the Navajo Nation Environmental Protection Agency and the United States Environmental Protection Agency.

There are two sets of results from your blood and urine tests. One set of results are for the usual clinical exams that are done during pregnancy and after birth. The second set of results show the biomarker findings. The biomarker results are experimental and it is not yet known how they may be used in treatment. You may decide if you would like to have a copy of the research biomarker results placed in your medical record or not below. Any results with accepted clinical relevance or legal reporting requirements will automatically be reported to your clinicians and incorporated into your medical record. During the infant's development, participation of Growing in Beauty will ensure your access to any existing programs for which you are qualified which can provide benefit to your family and help your child. Information gathered and analyzed will be provided to the tribe and Navajo Area Indian Health Services which may be used to improve future birth outcomes and services.

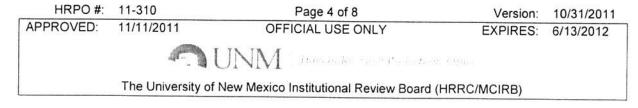
What other choices do I have if I do not want to be in this study?

You do not have to participate in this study to receive pre and post-natal care. Participation is voluntary and can be ended at any point.

How will my information be kept confidential?

We will take measures to protect the security of all your personal information, but we cannot guarantee confidentiality of all study data.

Information and /or specimens collected, as part of the study will be labeled with an assigned study number. Information (without your name) will be entered into a secure computer database maintained at CDC. The list that links your name to the project number, as well as any paper copies of data will be stored in a locked file in the office of Dr. Johnnye Lewis (Principal Investigator) at the University of New Mexico (UNM). Dr. Lewis and her research associates will maintain access to participants' study information by participant number, with Dr. Lewis having the only access to information linking participant's names to their participant numbers. At limited timepoints, other members of the team will need identified information to either clarify discrepancies in the data or



schedule appointments. This information will be provided in a limited manner sufficient to accomplish the task, and destroyed once the task is complete. Data will be stored for 3 years following conclusion of the study, and then de-identified data (without names) will be turned over to the Navajo Nation per the Navajo Nation Human Research Code (1996). A copy of this consent form will be kept in your medical record.

All biological specimens will be stored in secure, temperature regulated facilities at CDC until analysis. Samples will be kept for 3 years beyond the end of the study to allow for any reanalysis to clarify results. Any remaining biological samples after the analyses will be destroyed by standard procedures. If you would like, the remaining samples can be returned to you as choose below.

☐ Ple	ease return any remaining portion of my specimen once the project is completed.
	o not return any remaining portion of my specimen once the project is completed.
changes re	ne information, such as your exposure to metals and all the results of research analyses on biological lated to exposure, can be placed in your medical record if you choose. Please indicate your choice herwise these results are available only to the research team.
☐ Yes	s, include all the biomarker results in my medical record.
□ No,	, do not include any the biomarker results in my medical record.

What are the costs of taking part in this study?

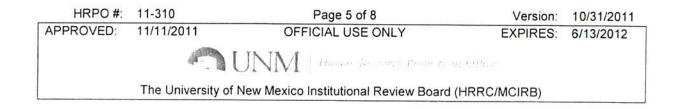
There will be no costs to you associated with your participation in this study. All clinical visits will be performed under your existing healthcare coverage.

What will happen if I am injured or become sick because I took part in this study?

Taking part in this research is your choice. You may refuse to take part. You can withdraw from the research study at any time, for any reason, even after you have started the study. The Investigator may take you out of the project at any time without regard to your consent, if you do not follow the project schedule, if you have a study-related injury or if the study doctors feel it would be unsafe for you to continue in the study or for administrative reasons. Even if you do not want to join the study, or if you withdraw from the study for any reason, you will still receive the same quality of medical care to which you are entitled.

You should ask the principal investigator listed below any questions you may have about this research study. You may ask him/her questions in the future if you do not understand something that is being done. The study staff will share with you any new findings that may develop while you are participating in this study.

If you have any questions about these issues, or believe that you have been treated carelessly in the study, please contact Beverly Becenti-Pigman at the Navajo Nation Human Research Review Board at (928) 871-6650 or toll free at (877) 873-4356 and the Human Research Review Committee (HRRC) at the University of New Mexico Health Sciences Center, Albuquerque, New Mexico 87131, (505) 272-1129 for more information. It is important



for you to tell the Principal Investigator immediately at 877-545-6775 if you have been injured or become sick because of taking part in this study.

Will I be paid for taking part in this study?

You will receive a small gift at enrollment, and at the 2 and 12 month interviews as a token of our appreciation for your participation in the study.

How will I know if you learn something new that may change my mind about participating?

You will be informed of any significant new findings that become available during the course of the study, such as changes in the risks or benefits resulting from participating in the research or new alternatives to participation that might change your mind about participating.

Can I stop being in the study once I begin?

Your participation in this study is completely voluntary. You have the right to choose not to participate or to withdraw your participation at any point in this study without affecting your future health care or other services to which you are entitled.

You may choose to withdraw at any time by contacting Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and Dr. Lewis's office at (877) 545-6775. A member of the research staff will contact you for a signature confirming your withdrawal and no future contact will be made. Information collected at that point will be used confidentially in the overall analysis of study data.

Whom can I call with questions or complaints about this study?

If you would like to speak with someone other than the research team, you may call Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and you may call the UNMHSC HRRC at (505) 272-1129.

If you have any questions, concerns or complaints at any time about the research study, Dr. Johnnye Lewis or her research associates will be glad to answer them at (505) 272-4853 or (877) 545-6775. You may speak with David Begay, a Navajo speaker, at 928-607-0365.

If you need to contact someone after business hours or on weekends, please call one of the numbers listed above, leave a message and your call will be returned as soon as possible.

Whom can I call with questions about my rights as a research subject?

If you have questions regarding your rights as a research subject, you may call Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and the UNMHSC HRRC at (505) 272-1129. The HRRC is a group of people from UNM and the community who provide independent oversight of safety and ethical issues related to research involving human subjects. For more information, you may also access the HRRC website at http://hsc.unm.edu/som/research/hrrc/.

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CONSENT/ASSENT

You are making a decision whether to participate (or to have your child participate) in this study. Your signature below indicates that you/your child read the information (or the information was read to you/your child) and the information was explained to you. By signing this consent form, you are not waiving any of your (your child's) legal rights as a research subject.

If Participant is OVER 18, con	iplete this section:	
Consent of Adult Participant:		
I have had an opportunity to ask que	estions and all questions have been answere	ed to my satisfaction. By signing this
consent form, I agree to participate	in this study. A copy of this consent form w	ill be provided to you.
Adult Participant Name (print)	Signature of Adult Participant	Date
If Participant is UNDER 18, co	mulete this section:	
Consent of Parent/Guardian for M		
I have had an opportunity to ask que	estions and all questions have been answere	d to my satisfaction. By signing this
consent form, I agree to let my child	I participate in this study. A copy of this co	nsent form will be provided to you.
Downst/Constitution No. (1.1)	6.	Section of the Control of the Control
Parent/Guardian Name (print)	Signature of Parent/Guardian of Minor Participant	Date
Assent of Minor Participant:		
I have had an opportunity to ask que	estions and all questions have been answere	d to my satisfaction. By signing this
form, I agree that I am interested in	and willing to participate in this study. A co	ppy of this form will be provided to
you.		
Minor Participant Name (print)	Signature of Minor Participant	Date
Consent of Minor Participant for	Child's Participation:	
I have had an opportunity to ask que	stions and all questions have been answered	to my satisfaction. By signing this
consent form will be provided to you	ild to participate in this study as outlined ir	this consent form. A copy of this
Temes in term will be provided to you	••	
Minor Participant Name (print)	Signature of Minor Participant	Date
()	organical of minor ranterpaint	Date
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INVESTIGATOR SIGNATURE

I have explained the research to the subject or his/her legal representative and answered all of his/her questions. I believe that he/she understands the information described in this consent form and freely consents to participate.

Name of Investigator/ Research Team Member (type or print)	Signature of Investigator/ Research Team Member	Date
Infant Name:		
DOB:		

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The University of New Mexico Health Sciences Center Father's Consent/Assent to Participate in Research

The Navajo Birth Cohort Study

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Introduction

Based on community input, and input from Navajo Nation officials and researchers conducting studies on uranium health impacts on the Navajo Nation, Agency for Toxic Substances and Disease Registry (CDC/ATSDR) determined that the greatest need was research on the effects of uranium exposures on reproductive and developmental outcomes on the Navajo Nation. In September 2010, CDC/ATSDR selected the University of New Mexico to develop, coordinate and conduct, in partnership with the Navajo Area Indian Health Service (NAIHS) and Navajo Nation Division of Health (NNDOH), and Navajo Nation Environmental Protection Agency (NNEPA), a prospective birth cohort study — called the Navajo Birth Cohort Study (NBCS) — to investigate the effects of environmental exposures to uranium and other toxicants on pregnancies and child development on the Navajo Nation over a three-year period. Direct funding has been provided to UNM, NAIHS and the NNDOH. NAIHS in turn will fund the key medical facilities identified as necessary to answer the communities' questions, based on the number of deliveries and the potential for exposure to uranium wastes: Northern Navajo Medical Center, Chinle Comprehensive Health Care Facility, Gallup Indian Medical Center, Tuba City Regional Health Care Corporation and Tséhootsooí Medical Center.

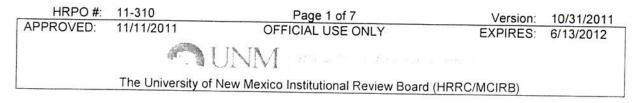
The principal investigator for the Navajo Birth Cohort Study is Johnnye Lewis, Ph.D., D.A.B.T., who is the director of the Community Environmental Health Program (CEHP) at the University of New Mexico Health Sciences Center (UNMHSC) in Albuquerque. Dr. Lewis is assisted by David Begay, Ph.D., co-investigator, who is also with UNM-CEHP; co-investigator Adrienne Ettinger, ScD., MPH, from Yale University; and Christopher Shuey, MPH, with Southwest Research and Information Center (SRIC). You (or your child) are being asked to participate in this study because you (or your child) have been identified as a father of a study participant's child. An estimated 1600 mothers and fathers, and their children living on the Navajo Nation will take part in this study.

This form will explain the research study, and will also explain the possible risks as well as the possible benefits to you. You will be asked to consent for yourself (or your child if he is under 18). If you are under 18, you will be asked to assent to your interest in participating in the study.

What will happen if I decide to participate?

If you agree to participate, the following things will happen:

- We will interview you in a culturally appropriate and sensitive manner to identify any possible exposure to
 environmental chemicals through work or other activities, health and reproductive histories, demographic
 information (age, income, education, residence history), land and water use, medication, smoking and drug
 use history;
- We will determine exposure risks in and around the home by:
 - Asking questions in the survey regarding the home construction, when available will use existing data, and collect additional samples and scans if necessary;
- We will conduct a health and exposure assessment



- To determine any evidence of exposure to contaminants from analysis of biological samples including blood and urine. We will analyze these samples for evidence of metals such as uranium, zinc, cadmium, and arsenic; polycyclic aromatic hydrocarbons (PAHs) associated with oil and gas production and burning of coal or wood; and for indications of biological markers of exposures to those contaminants (Some of the analysis named above may be completed at a later date as additional funding becomes available).
- By collecting about 1 tablespoon of blood and 2 tablespoons of urine from you at enrollment.
 (Note: all blood will be drawn by licensed health care professionals, whether in the home or the clinic.)
- To ensure compliance with the Navajo Nation Human Research Review Board moratorium on genetic analysis, no genetic analysis will be done in this research.
- Information will be obtained from your medical records for your general health history;
- Placement of a note in your medical record to identify you as a research participant for the duration of this study.

Your records at your healthcare facility will note your participation in the study and your willingness to be contacted for any future follow-up.

Please initial here if you ARE willing to be contacted for future studies	
Please initial here if you <i>NOT</i> are willing to be contacted for future studies.	A. T. C.

How long will I be in this study?

Participation in this study will take a total of 3 to 4 hours over a 2 year period. Participation will occur at a time determined by you and the research staff.

What are the risks or side effects of being in this study?

There are risks of stress, emotional distress, and inconvenience and possible loss of privacy and confidentiality associated with participating in a research study.

All precautions will be taken when your blood is drawn. Blood samples will be drawn using the same procedures used in most standard hospital testing procedures. The most common risks of having a blood sample taken are temporary discomfort or pain from the needle stick site, occasional bruising, sweating, light-headiness, and in rare cases, faintness or infection.

There are no risks or discomfort associated with giving a clean-catch urine sample.

For more information about risks and side effects, call Beverly Becenti-Pigman at the Navajo Nation Human Research Review Board at 928-871-6650 and ask the principal investigator, Johnnye Lewis, at 877-545-6775.

What are the benefits to being in this study?

You may benefit directly by the information gained from increased environmental assessments and monitoring conducted around your home. In addition, should any environmental hazards of concern be identified during our assessment that could present a risk, you will be immediately notified so that action to remove or lessen that risk can be undertaken. You will also be informed of Navajo Nation and federal programs that can help you determine

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There are two sets of results from your blood and urine tests. One set of results are for the usual clinical exams. The second set of results show the biomarker findings. The biomarker results are experimental and it is not yet known how they may be used in treatment. You may decide if you would like to have a copy of the research biomarker results placed in your medical record or not below. Any results with clinical relevance or legal reporting requirements will automatically be reported to your clinicians and incorporated into your medical record.

What other choices do I have if I do not want to be in this study?

You do not have to participate in this study. Participation is voluntary and can be ended at any point.

How will my information be kept confidential?

We will take measures to protect the security of all your personal information, but we cannot guarantee confidentiality of all study data.

Information and /or specimens collected, as part of the study will be labeled with an assigned study number. Information (without your name) will be entered into a secure computer database maintained at CDC. The list that links your name to the project number, as well as any paper copies of data will be stored in a locked file in the office of Dr. Johnnye Lewis (Principal Investigator) at the University of New Mexico (UNM). Dr. Lewis and her research associates will maintain access to participants' study information by participant number, with Dr. Lewis having the only access to information linking participant's names to their participant numbers. At limited time-points, other members of the team will need identified information to either clarify discrepancies in the data or schedule appointments. This information will be provided in a limited manner sufficient to accomplish the task, and destroyed once the task is complete. Data will be stored for 3 years following conclusion of the study, and then de-identified data (without names) will be turned over to the Navajo Nation per the Navajo Nation Human Research Code (1996). A copy of this consent form will be kept in your medical record.

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biological samples after the analyses will be destroyed by standard procedures. If you would like, the remaining samples can be returned to you as choose below. ☐ Please return any remaining portion of my specimen once the project is completed. Do not return any remaining portion of my specimen once the project is completed. Some of the information, such as your exposure to metals and the results of research analyses on biological changes related to exposure, can be placed in your medical record if you choose. Please indicate your choice below. Otherwise these results are available only to the research team. Yes, include the biomarker results in my medical record. No, do not include the biomarker results in my medical record. HRPO #: 11-310 Page 3 of 7 Version: 10/31/2011 APPROVED: 11/11/2011 OFFICIAL USE ONLY EXPIRES: 6/13/2012

What are the costs of taking part in this study?

There will be no costs to you associated with your participation in this study. All clinical visits will be performed under your existing healthcare coverage.

What will happen if I am injured or become sick because I took part in this study?

Taking part in this research is your choice. You may refuse to take part. You can withdraw from the research study at any time, for any reason, even after you have started the study. The Investigator may take you out of the project at any time without regard to your consent, if you do not follow the project schedule, if you have a study-related injury or if the study doctors feel it would be unsafe for you to continue in the study or for administrative reasons. Even if you do not want to join the study, or if you withdraw from the study for any reason, you will still receive the same quality of medical care to which you are entitled.

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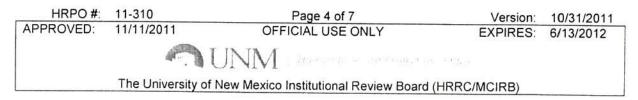
How will I know if you learn something new that may change my mind about participating?

You will be informed of any significant new findings that become available during the course of the study, such as changes in the risks or benefits resulting from participating in the research or new alternatives to participation that might change your mind about participating.

Can I stop being in the study once I begin?

Your participation in this study is completely voluntary. You have the right to choose not to participate or to withdraw your participation at any point in this study without affecting your future health care or other services to which you are entitled.

You may choose to withdraw at any time by contacting Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and Dr. Lewis's office at (877) 545-6775. A member of the research staff will contact you for a signature confirming your withdrawal and no future contact will be made. Information collected at that point will be used confidentially in the overall analysis of study data.



Whom can I call with questions or complaints about this study?

If you would like to speak with someone other than the research team, you may call Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and you may call the UNMHSC HRRC at (505) 272-1129.

If you have any questions, concerns or complaints at any time about the research study, Dr. Johnnye Lewis, or her research associates will be glad to answer them at 505-272-4853 or (877) 545-6775. You may speak with David Begay, a Navajo speaker, at 928-607-0365.

If you need to contact someone after business hours or on weekends, please call one of the numbers listed above, leave a message and your call will be returned as soon as possible.

Whom can I call with questions about my rights as a research subject?

If you have questions regarding your rights as a research subject, you may call Beverly Becenti-Pigman at the Navajo Research Office at (928) 871-6650 or toll free at (877) 873-4356 and the UNMHSC HRRC at (505) 272-1129. The HRRC is a group of people from UNM and the community who provide independent oversight of safety and ethical issues related to research involving human subjects. For more information, you may also access the HRRC website at http://hsc.unm.edu/som/research/hrrc/.

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 6/13/2012

CONSENT/ASSENT

You are making a decision whether to participate (or to have your child participate) in this study. Your signature below indicates that you/your child read the information (or the information was read to you/your child) and the information was explained to you. By signing this consent form, you are not waiving any of your (your child's) legal rights as a research subject.

If Participant is OVER 18, compl	ete this section:		
Consent of Adult Participant:			
I have had an opportunity to ask que consent form, I agree to participate provided to you.	estions and all questions have been answe (or let my child participate) in this study.	red to my satisfactio A copy of this conse	n. By signing this ent form will be
Name of Adult Participant (print) Signature of Adult Participant	Date .	t •13
If Participant is UNDER 18, co	omplete this section:		
Consent of Parent/Guardian fo	or Minor Participant:		
I have had an opportunity to ask signing this consent form, I agree will be provided to you.	questions and all questions have been a to let my child participate in this stud	answered to my sa y. A copy of this	tisfaction. By consent form
Name of Parent/Guardian (print)	Signature of Parent/Guardian of Minor Participant	Date	
Assent of Minor Subject:			
satisfaction. By signing this form	questions and all questions have been a , I agree that I am interested in and wil of this form will be provided to you.	inswered to my ling to	
Minor Child's Name (print)	Minor's Signature	Date	-
HRPO #: 11-310 APPROVED: 11/11/2011	Page 6 of 7 OFFICIAL USE ONLY	Version:	10/31/2011
		EXPIRES:	6/13/2012
	UNM the se to see a tree to		
I ne University of	of New Mexico Institutional Review Board	(HRRC/MCIRB)	

INVESTIGATOR SIGNATURE

I have explained the research to the subject or his/her legal representative and answered all of his/her questions. I believe that he/she understands the information described in this consent form and freely consents to participate.

Name of Investigator/ Research Team Member (type or print)	Signature of Investigator/ Research Team Member	Date
Infant Name:		
DOB:		
	X .	en agas Sagrieras de cençãos adiabando que tido \$1, 2
	This consent docum	ent is approved for use until: 8-23-12

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6/13/2012



UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER HIPAA¹ AUTHORIZATION TO USE AND DISCLOSE PROTECTED HEALTH INFORMATION FOR RESEARCH PURPOSES

Title of Study: The Navajo Birth Cohort Study

Principal Investigator: Johnnye L. Lewis Ph.D., D.A.B.T.

UNMHSC Department: College of Pharmacy/ Pharmaceutical Sciences

Mailing Address: University of New Mexico / 1 University of New Mexico / MSC 09 5360 /

Albuquerque, NM 87131-0001

Co-Investigators: David Begay, Ph.D., Adrienne Ettinger, ScD., MPH, and Christopher Shuey,

MPH

Sponsor: Centers for Disease Control and Prevention / Agency for Toxic Substance and Disease Registry

- 1. What is the purpose of this form? You have been asked to take part in a research study. The consent form for this study describes your participation, and that information still applies. This extra form is required by the federal Health Insurance Portability and Accountability Act (HIPAA). The purpose of this form is to get your permission (authorization) to use health information about you that is created by or used in connection with this research.
- 2. What if I don't want my personal health information (PHI) to be used in this research study? You do not have to give this permission. Your decision not to sign this form will not change your ability to get health care outside of this research study. However, if you do not sign, then you will not be allowed to participate in the study.
- 3. What PHI am I allowing to be used for this research? The information that may be used includes: Current and past medical problems for yourself; for female participants all pregnancy related care, treatment, and outcome; medications you are taking; your height and weight; diet and exercise level; and if you have a chronic disease and medications prescribed.
- 4. Where will researchers go to find my PHI? We may ask to see your personal information in records at hospitals, clinics or doctor's offices where you may have received care in the past, including but not limited to facilities in the UNM health care system.
- 5. Who will be allowed to use my information for this research and why? The researchers named above and their staff will be allowed to see and use your health information for this research study. It may be used to check on your progress during the study, or analyze it along with information from other study participants. Sometimes research information is shared with collaborators or other institutions. Your records may also be reviewed by representatives of the research sponsor or funding agency, the Food and Drug Administration (FDA) to check for quality, safety or effectiveness, or the Human Research Review Committee (HRRC) for the purposes of oversight and subject safety and compliance with human research regulations.
- 6. Will my information be used in any other way? Your information used under this permission may be subject to re-disclosure outside of the research study and be no longer protected under certain circumstances such as required reporting of abuse or neglect, required reporting for law enforcement purposes, and for health oversight activities and public health purposes.

¹ HIPAA is the Health Insurance Portability and Accountability Act of 1996, a federal law related to privacy of health information.

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- 7. What if I change my mind after I give this permission? You can change your mind and withdraw this permission at any time by sending a written notice to the Principal Investigator at the mailing address listed at the top of this form to inform the researcher of your decision. If you withdraw this permission, the researcher may only use and share your information that has already been collected for this study. No additional health information about you will be collected by or given to the researcher for the purposes of this study.
- 8. What are the privacy protections for my PHI used in this research study? HIPAA regulations apply to personal health information in the records of health care providers and other groups that share such information. There are some differences in how these regulations apply to research, as opposed to regular health care. One difference is that you may not be able to look at your own records that relate to this research study. These records may include your medical record, which you may not be able to look at until the study is over. The HIPAA privacy protections may no longer apply once your PHI has been shared with others who may be involved in this research.
- 9. **How long does this permission allow my PHI to be used?** If you decide to be in this research study, your permission to access and use your health information in this study may not expire, unless you revoke or cancel it. Otherwise, we will use your information as long as it is needed for the duration of the study.

I am the research participant or the personal representative authorized to act on behalf of the participant. By signing this form, I am giving permission for my personal health information to be used in research as described above. I will be given a copy of this authorization form after I have signed it.

Name of Research Subject	Signature of Subject/Legal Representative	Date
Describe authority of legal representative		
Name of Person Obtaining Authorization	Signature	 Date

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