

Posting Date: May 14, 2025

Closing Date: May 24, 2025, 11:30 a.m. ET

Reference Number: 25-021619

To: NCI Bid Board

From: Sharon Coles-Calloway
NCI DCEG Purchasing Agent
coless@mail.nih.gov

Subject: NCI Bid Board Posting – Data management support for assessment of uncertainties in thyroid doses for the Belarusian cohort of persons exposed in utero

The Radiation Epidemiology Branch conduct epidemiological, genetic, and radiation dosimetry research to quantify risk, identify susceptible populations, and carry out advanced exposure assessments. The research mission of the Radiation Epidemiology Branch (REB) is to identify, understand, and quantify the risk of cancer in populations exposed to medical, occupational, or environmental radiation, and to advance understanding of radiation carcinogenesis.

The Radiation Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute (NCI) is collaborating with the Research Centre for Radiation Medicine and Human Ecology (Gomel, Belarus) on epidemiological study to assess cancer and other health effects of *in utero* and early-life exposure to radiation. This study establishes a cohort of 2,965 persons exposed following the Chernobyl accident in Belarus. Individual pre- and postnatal radiation exposure doses due to internal irradiation from Iodine-131 (^{131}I) intake have been reconstructed for each cohort member. Dose assessment was based on residential and dietary information for cohort members, collected through personal interview with the mothers, and direct thyroid measurements conducted for some mothers. There are many parameters involved in the calculation of the thyroid doses. The uncertainties attached to the thyroid dose estimates from ^{131}I intakes, taking into account that some parameters are supposed to be the same for different groups of cohort members (e.g., ^{131}I ground deposition density, transfer rates of ^{131}I in environment) remain to be determined.

The National Cancer Institute plans to obtain data management support for assessment of uncertainties in thyroid doses for the Belarusian cohort of persons exposed in utero from Belarus. This is not a request for competitive quotation. However, if any interested party believes it can meet the attached requirements, it may submit a statement of capabilities. The statement of capability must be in writing and must contain information and material in sufficient detail to allow NCI to determine if the party can fully meet this requirement. The capability statement must be received in the contracting office by 11:30 AM on May 24, 2025, ET. A determination by the Government not to compete this requirement based upon responses to this notice is solely within the discretion of the Government. Information received will be considered solely for the purpose of determining whether to conduct competitive procurement.

Sole Source Justification:

Mrs. Tatsiana Kukhta has been active in the field of data management and data quality control for research studies conducted by NCI in Belarus in persons exposed to Chernobyl fallout for 25 years. Mrs. Kukhta is the only person who has access to dosimetry questionnaire and radiation data that were collected in 2002–2022 within the framework of the NCI-Belarus “Scientific Protocol for the Study of Thyroid Cancer and Other Disease in Belarus Following the Chernobyl Accident” for 2,965 subjects of Belarusian cohort of 2 persons exposed in utero. Mrs. Tatsiana Kukhta assists in the dosimetry questionnaire data management for the Research Center for Radiation Medicine and Human Ecology that has been designated by the Belarusian Government to be the official institution devoted to studies of the aftereffects of the Chernobyl accident and has mandated that all research related to the Chernobyl accident go through this institution. Any person who is outside this institution does not have access to the data collected for the NCI-conducted studies in Belarus mentioned above. For all these reasons, Mrs. Kukhta is the only one who is uniquely qualified to perform the tasks identified in this contract.

Attached Documents:

SF18

Statement of Work

FAR Clause 52.213-4 Simplified Acquisitions Terms and Conditions (AUG 2019) is applicable and available in full text upon request

FAR Clause 52.204-24 Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)			THIS RFQ <input type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE <input type="text"/> OF <input type="text"/> PAGES
1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		RATING
5a. ISSUED BY			6. DELIVER BY (Date)		
5b. FOR INFORMATION CALL (NO COLLECT CALLS)			7. DELIVERY		
NAME		TELEPHONE NUMBER		<input type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)	
		AREA CODE	NUMBER	9. DESTINATION	
8. TO:			a. NAME OF CONSIGNEE		
a. NAME		b. COMPANY		b. STREET ADDRESS	
c. STREET ADDRESS			c. CITY		
d.. CITY		e.. STATE	f.. ZIP CODE	d.. STATE	e. ZIP CODE
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date)		IMPORTANT: This is a request for information, and quotations furnished are not offers. If you are unable to quote, please indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.			

11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d.. CALENDAR DAYS	
				NUMBER	PERCENTAGE

NOTE: Additional provisions and representations ☐ are ☐ are not attached.

13. NAME AND ADDRESS OF QUOTER		14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION	
a. NAME OF QUOTER		16. SIGNER		b. TELEPHONE	
b. STREET ADDRESS					
c. COUNTY		a. NAME (Type or print)		AREA CODE	
d. CITY	e. STATE	f. ZIP CODE	c. TITLE (Type or print)		NUMBER

Statement of Work

1.0 TITLE

Data management support for assessment of uncertainties in thyroid doses for the Belarusian cohort of persons exposed in utero

2.0 BACKGROUND

The Radiation Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute (NCI) is collaborating with the Research Centre for Radiation Medicine and Human Ecology (Gomel, Belarus) on epidemiological study to assess cancer and other health effects of *in utero* and early-life exposure to radiation. This study establishes a cohort of 2,965 persons exposed following the Chernobyl accident in Belarus. Individual pre- and postnatal radiation exposure doses due to internal irradiation from Iodine-131 (^{131}I) intake have been reconstructed for each cohort member. Dose assessment was based on residential and dietary information for cohort members, collected through personal interview with the mothers, and direct thyroid measurements conducted for some mothers. There are many parameters involved in the calculation of the thyroid doses. The uncertainties attached to the thyroid dose estimates from ^{131}I intakes, taking into account that some parameters are supposed to be the same for different groups of cohort members (e.g., ^{131}I ground deposition density, transfer rates of ^{131}I in environment) remain to be determined.

This procurement is a follow-on purchase order # 75N91023P00472 (period of performance from 06/01/2025 to 05/31/2027).

3.0 OBJECTIVES

The purpose of the procurement is to provide the data management support to evaluate the uncertainties in the thyroid doses with account to the sources of shared and unshared errors for all 2,965 members of the Belarusian cohort of persons exposed *in utero* to Chernobyl fallout.

The objective of the procurement is to improve the quality and accuracy of the dose response analysis of the thyroid cancer and other thyroid diseases in this cohort taking the dosimetric uncertainties into account.

4.0 SCOPE

4.1 TECHNICAL REQUIREMENTS

The Contractor shall (i) develop and apply the method to create the most complete questionnaire database using the answers from two personal interviews conducted with the mothers of members of the Belarusian cohort of persons exposed *in utero* to Chernobyl fallout, and (ii) to prepare the datasets to assess the uncertainties in the thyroid doses with account to the sources of shared and unshared errors for all 2,965 members of the Belarusian cohort of persons exposed *in utero*.

The Contractor shall perform the following tasks:

- 4.1 To develop and apply the method to create the most complete questionnaire database using the answers from two personal interviews conducted with the mothers of members of the Belarusian cohort of persons exposed *in utero* to Chernobyl fallout. The choice of the answers (e.g., residential history, sources and consumption rates of cow's milk and dairy products, date and duration of stable iodine administration and breastfeeding) should account for the importance of these responses in assessing the individual doses and best possible scaling factor for the mothers with measured ^{131}I thyroid activity.
- 4.2 Conduct analysis of three sets of thyroid doses calculated using questionnaire data from two interviews and the most complete questionnaire database for the Belarusian cohort of persons exposed *in utero*. Verify and make corrections in the most complete questionnaire database, if necessary.
- 4.3 Using the most complete questionnaire database, create the input file to calculate individual thyroid doses due to ^{131}I intake and associated uncertainties for the Belarusian cohort of persons exposed *in utero*.
- 4.4 Prepare replies to data ad-hoc requested by NCI and electronic datafiles prepared according to format requested by NCI. The datafiles shall not include personally identifiable information (e.g., no names, birth year/month only).
- 4.5 Archive de-identified databases and input files and transfer all archives to NCI. No personally identifiable information shall be sent to NCI (e.g., no names, birth year/month only).

4.2 PERSONNEL QUALIFICATIONS

The Contractor shall have more than 20 years of experience in management of MS Access databases and shall have very advanced programming skills with VBA for MS Access. The Contractor shall have access to questionnaire data collected for the subjects of the Belarusian cohort of persons exposed *in utero* in the framework of the "Scientific Protocol for the Study of Thyroid Cancer and Other Disease in Belarus Following the Chernobyl Accident".

4.3 SPECIAL ORDER REQUIREMENTS

The Contractor shall have on-line meetings with NCI leading dosimetrist after each progress report to discuss and agree on specific steps to be taken next.

5.0 TYPE OF ORDER

This is a firm fixed price purchase order.

6.0 PERIOD OF PERFORMANCE

The services specified in each contract line item (CLIN) have been determined to be severable services - a specific undertaking or entire job with a defined end product of value to the Government.

The period of performance shall be from June 1, 2025 to May 31, 2027 with a one-year Base Period and one one-year Option Period:

Base Period: 06/01/2025 – 05/31/2026

Option Period One: 06/01/2026 – 05/31/2027

7.0 PLACE OF PERFORMANCE

The place of performance shall be performed at the Contractor's facility.

8.0 TECHNICAL POINT OF CONTACT

All work delivered to the Technical Point of Contact (TPOC) will be deemed to have been accepted upon written confirmation of acceptance by the TPOC. The TPOC's approval or revision to the work delivered shall be within the general scope of work for the Purchase Order.

The following individual shall be the TPOC for this task order:

Vladimir Drozdovitch
REB, DCEG, NCI, NIH
drozdovv@mail.nih.gov
Phone: 240-276-7399
9609 Medical Center Drive
Room 7E548 MSC 9778
Bethesda MD 20892-9778 (USPS only)

Performance of work under this Purchase Order must be subject to the technical direction of the TPOC identified above. The term "technical direction" includes direction to the Contractor that fills in details and otherwise serves to ensure that tasks outlined in this requirements document are accomplished satisfactorily. Technical direction must be within the scope of this requirements document.

The TPOC **does not have authority** to issue technical direction that:

- a. Constitutes a change of assignment or additional work outside of this requirements document
- b. Constitutes a change as defined in the clause 52.212-4 (c) governing "Changes";
- c. In any manner causes an increase or decrease in the contract price, or the time required for contract performance;
- d. Changes any of the terms, conditions, or requirements of the contract;
- e. Interferes with the Contractor's right to perform under the terms and conditions of the contract; or
- f. Directs, supervises, or otherwise controls the actions of the Contractor's employees.

Technical direction may be oral or in writing. The TPOC shall confirm oral direction in writing within five business days, with a copy to the Contracting Officer. The Contractor shall proceed promptly with performance resulting from the technical direction issued by the TPOC. If, in the opinion of the Contractor, any direction of the TPOC, or their designee, falls within the limitations in (b), above, the Contractor shall immediately notify the Contracting Officer no later than the beginning of the next Government business day.

Failure of the Contractor and the Contracting Officer to agree that technical direction is within the scope of the contract shall be subject to the terms of the clause 52.212-4 (d) titled "Disputes."

9.0 DELIVERABLES SCHEDULE

The Contractor shall submit regularly Progress Reports to the NCI Principal Investigator, and NCI Technical Point of Contract (TPOC) in the manner stated below:

- 1) Quarterly Progress Reports shall describe (a) status of preparation of the most complete questionnaire database as specified in Tasks 4.1 and 4.2; (b) status of preparation of the input file to calculate individual thyroid doses due to ¹³¹I intake and associated uncertainties as specified in Task 4.3; (c) status of preparation of data ad-hoc requested by NCI as specified in Task 4.4; (d) transferred to NCI datafiles, scripts, tables, and figures by request to NCI. The datafiles shall not include personally identifiable information (e.g., no names, birth year/month only). The first quarterly report shall cover the first full three months of the contract. Thereafter, reports shall be submitted on a quarterly basis.
- 2) Final Report shall document and summarize the results of the contract work for the whole period covered. This report shall be in sufficient detail to describe comprehensively the results achieved. All computer programs, electronic datafiles, scripts obtained in the framework of the contract shall be transferred to NCI. No personally identifiable information shall be sent to NCI (e.g., no names, birth year/month only).

Deliverable	Deliverable Description/ Format Requirements	Due Date
#1 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in "1)" above.	3 months after award
#2 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in "1)" above.	6 months after award
#3 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in "1)" above.	9 months after award
#4 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in "1)" above.	12 months after award
#5 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in "1)" above.	15 months after award
#6 Quarterly Progress Report (Tasks 4.1, 4.2,	As described in "1)" above.	18 months after award

4.3 & 4.4)		
#7 Quarterly Progress Report (Tasks 4.1, 4.2, 4.3 & 4.4)	As described in “1)” above.	21 months after award
#8 Final Report (Task 4.1, 4.2, 4.3, 4.4 & 4.5)	As described in “2)” above.	24 months after award

10.0 PAYMENT

Invoices will be submitted to the TPOC at the same time as the progress reports. The TPOC will be responsible for reviewing the work done by the contractor, making sure that it is consistent with the terms of the agreement, and approving the reports provided by the contractor. The deliverables will be reviewed by the TPOC within 30 days of receipt. If any changes or revisions are required of the contractor, the revised deliverables shall be submitted to the TPOC within 30 days of the date of notification.

Payment shall be made quarterly. Payment authorization requires submission and approval of invoices to the TPOC and NIH OFM, in accordance with the attached payment provisions listed below:

The following clause is applicable to all Purchase Orders, Task or Delivery Orders, and Blanket Purchase Agreement (BPA) Calls: PROMPT PAYMENT (JUL 2013) FAR 52.232-25. Highlights of this clause and NIH implementation requirements follow:

I. Invoice Requirements

- A. An invoice is the Contractor's bill or written request for payment under the contract for supplies delivered or services performed. A proper invoice is an "Original" which must include the items listed in subdivisions 1 through 12, below, in addition to the requirements of FAR 32.9. If the invoice does not comply with these requirements, the Contractor will be notified of the defect within 7 days after the date the designated billing office received the invoice (3 days for meat, meat food products, or fish, and 5 days for perishable agricultural commodities, dairy products, edible fats, or oils) with a statement of the reasons why it is not a proper invoice. (See exceptions under II., below.) Untimely notification will be considered in the computation of any interest penalty owed the Contractor.
 1. Vendor/Contractor: Name, Address, Point of Contact for the invoice (Name, title, telephonenumber, e-mail and mailing address of point of contact).
 2. Remit-to address (Name and complete mailing address to send payment).
 3. Remittance name must match exactly with name on original order/contract. If the Remittance name differs from the Legal Business Name, then both names must appear on the invoice.
 4. Invoice date.
 5. Unique invoice #s for all invoices per vendor regardless of site.
 6. NBS document number formats must be included for awards created in the NBS: ContractNumber; Purchase Order Number; Task or Delivery Order Number and Source Award Number (e.g., Indefinite Delivery Contract number; General

Services Administration number); or, BPA Call Number and BPA Parent Award Number.

7. Unique Entity Identifier (UEI) which is in the System for Award Management (SAM) and replaces the Dun & Bradstreet Data Universal Numbering System (DUNS) number.
8. Federal Taxpayer Identification Number (TIN). In those rare cases where a contractor does not have a UEI number or TIN, a Vendor Identification Number (VIN) must be referenced on the invoice. The VIN is the number that appears after the contractor's name on the face page of the award document.
9. Identify that payment is to be made using a three-way match.
10. Description of supplies/services **that match** the description on the award, by line billed.*
11. Freight or delivery charge must be billed as shown on the award. If it is included in the item price do not bill it separately. If identified in the award as a separate line item, it must be billed separately.
12. Quantity, Unit of Measure, Unit Price, Extended Price of supplies delivered or services performed, as applicable, and that **match** the line items specified in the award.*

NOTE: If your invoice must differ from the line items on the award, please contact the Contracting Officer before submitting the invoice. A modification to the order or contract may be needed before the invoice can be submitted and paid.

- B. Since the Contractor is foreign, it shall not submit invoices to the Department of Treasury's Invoice Processing Platform (IPP) at <https://www.ipp>.

The Contractor shall submit a copy of the electronic invoice to the following Approving Official (Contracting Officer) and Technical Point of Contract:

Approving Official: Contracting Officer
Name- Email Address-

Technical Point of Contract:
Vladimir Drozdovitch
drozdovv@mail.nih.gov

II. Invoice Payment

- A. The due date for making invoice payments by the designated payment office shall be the later of the following two events:
1. The 30th day after the designated billing office has received a proper invoice.
 2. The 30th day after Government acceptance of supplies delivered or services performed.

III. Interest Penalties

- A. An interest penalty shall be paid automatically, if payment is not made by the due date and the conditions listed below are met, if applicable.
1. A proper invoice was received by the designated billing office.
 2. A receiving report or other Government documentation authorizing payment was processed and there was no disagreement over quantity, quality, or contractor compliance with a term or condition.
 3. In the case of a final invoice for any balance of funds due the contractor for supplies delivered or services performed, the amount was not subject to further settlement actions between the Government and the Contractor.
- B. Determination of interest and penalties due will be made in accordance with the provisions of the Prompt Payment Act, as amended, the Contract Disputes Act, and regulations issued by the Office of Management and Budget.

IV. PROVIDING ACCELERATED PAYMENT TO SMALL BUSINESS SUBCONTRACTORS, FAR 52.232-40 (November 2021)

- a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.
- b) The acceleration of payments under this clause does not provide any new rights under the Prompt Payment Act.
- c) Include the substance of this clause, including this paragraph (c), in all subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial products or commercial services.

(End of Clause)

V. HHSAR 352.232-71 Electronic Submission of Payment Requests (February 2, 2022)

Definitions. As used in this clause—

- a) Payment request means a bill, voucher, invoice, or request for contract financing payment with associated supporting documentation. The payment request must comply with the requirements identified in FAR 32.905(b), “Content of Invoices” and the applicable Payment clause included in this contract.
- b) Except as provided in paragraph (c) of this clause, the Contractor shall submit payment requests electronically using the Department of Treasury Invoice Processing Platform (IPP) or successor system. Information regarding IPP, including IPP Customer Support contact information, is available at www.ipp.gov or any successor site.
- c) The Contractor may submit payment requests using other than IPP only when the Contracting Officer authorizes alternate procedures in writing in accordance with HHS procedures.

- d) If alternate payment procedures are authorized, the Contractor shall include a copy of the Contracting Officer's written authorization with each payment request.

(End of Clause)

Clearances:

IRB: OH 95-C-N021 "Scientific Protocol for the Study of Thyroid Cancer and Other Disease in Belarus Following the Chernobyl Accident".

OMB: Clinical Exemption (CE-99-10-02).

OMB: CE-05-09-03 Clinical Exemptions November 2005.