## **HIV Outpatient Study (HOPS)**

Supporting Statement A

OMB No. 0920-1080 Expiration Date: 08/31/2018

### Revision

ICRO Desk Officer Review
August 7, 2018

#### Contact:

Kate Buchacz

National Center for HIV, Hepatitis, STD and TB Prevention Centers for Disease Control and Prevention 1600 Clifton Rd, NE, MS E-45 Atlanta, Georgia 30333 Phone: (404) 639-5167

Fax: (404) 639-6127 E-mail: <u>acu7@cdc.gov</u>

### Table of Contents

#### Section

- A. Justification
- 1. Circumstances Making the Collection of Information Necessary
- 2. Purpose and Use of the Information Collection
- 3. Use of Improved Information Technology and Burden Reduction
- 4. Efforts to Identify Duplication and Use of Similar Information
- 5. Impact on Small Businesses or Other Small Entities
- 6. Consequences of Collecting the Information Less frequently
- 7. Special Circumstances Relating to the Guidelines of 5 CFR 1320.5
- 8. Comments in Response to the Federal Register Notice and Efforts to Consult Outside the Agency
- 9. Explanation of Any Payment or Gift to Respondents
- 10. Protection of the Privacy and Confidentiality of Information Provided by Respondents
- 11. Institutional Review Board (IRB) and Justification for Sensitive Questions
- 12. Estimates of Annualized Burden Hours and Costs
- 13. Estimates of Other Total Annual Cost Burden to Respondents and Record Keepers
- 14. Annualized Cost to the Government
- 15. Explanation for Program Changes or Adjustments
- 16. Plans for Tabulation and Publication and Project Time Schedule
- 17. Reason(s) Display of OMB Expiration Date is Inappropriate Exceptions to Certification for Paperwork Reduction Act Submissions

### **EXHIBITS**

Table A12A. Estimated Annualized Burden Hours

Table A12B Estimated Annualized Burden Costs

Table A14. Annualized Cost to Government

Table A16. Project Time Schedule

Table B4. Table of Measures

### **Attachments**

- 1. Public Health Service Act
- 2. 60-Day FRN
- 3a Behavioral Survey Instrument
- 3b Behavioral Survey screen shots
- 3c Explanation of requested revisions
- 4. HOPS Informed Consent Forms
- 5. Behavioral Survey Instruction Card
- 6. Screen Shots of Data Abstraction Elements
- 7. HOPS CDC IRB Approval

- 8. List of HOPS Study Publications
- 9. Requested Revisions
- 10. Privacy Act Assessment (PIA)
  - Goal of the study: The goals of the HIV Outpatient Study (HOPS) are to: describe and monitor trends in demographics, symptoms, diagnoses, treatments, risk behaviors and disease outcomes among HIV-positive outpatients in clinics across the United States; to describe factors associated with clinical, immunologic and virologic successes, as well as improved survival; and to investigate new problems associated with long-term HIV infection and treatment.
  - Intended use of the resulting: HOPS data will be used to develop guidelines and recommendations for clinicians, public health departments, and other partners participating in the prevention and treatment of HIV/AIDS. It will also be used to monitor the progress in achieving the goals of the National HIV/AIDS Strategy (Centers for Disease Control and Prevention).
  - Methods to be used to collect: HOPS has a prospective cohort design and will collect data by medical record abstraction and using a brief Telephone Audio-Computer Assisted Self-Interviewing (T-ACASI) survey and an identical web-based Audio-Computer Assisted Self-Interviewing (ACASI), accessible via tablet, smartphone, PC or laptop.
  - The subpopulation to be studied: The HOPS study population is a demographically diverse cohort of HIV-infected adult outpatients seen at 8 well established public and private HIV clinics in the United States.
  - How data will be analyzed: The data will be analyzed by a variety of methods most appropriate for the research questions and variables collected (e.g., continuous versus categorical variables). Statistical analyses will include simple descriptive statistics, linear regression and logistic regression.

### A. Justification

### 1. Circumstances Making the Collection of Information Necessary

## <u>Background</u>

The Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP), Division of HIV/AIDS Prevention (DHAP) requests a 3-year revision for a previously approved data collection called "HIV Outpatient Study (HOPS)(0920-1080 exp. 08/31/2018." The revisions to this collection are reflected in **Attachments 3c and 9.** 

During the previous 3-year OMB approval period, the HIV Outpatient (HOPS) enrolled 263 new HIV positive patients and produced the following 12 publications addressing multiple domains in HIV-infection and treatment relating to the goals of the National HIV/AIDS Strategy (Centers for Disease Control and Prevention). The list of the publication citations are located in **Attachment 8**.

Research has identified additional behaviors potentially associated with the care and treatment of HIV positive persons. Additional survey questions are being added to further assess these behaviors among HIV positive patients participating in the HIV Outpatient Study and there potential effect on their HIV care and treatment. Based on review of the current survey response items and the average completion time, these new questions will not pose additional burden on participants.

This proposed information collection is authorized under Section 301(a) of the Public Health Services Act (42.U.S.C.241) (Attachment 1).

The CDC intends to continue this data abstraction activity at the HOPS sites, which will enable CDC to carry out a central component of its public health mission, namely, gathering and analyzing data to develop guidelines and recommendations for clinicians, public health departments, and other partners participating in the prevention and treatment of HIV/AIDS.

Among the existing contemporary HIV cohorts, which contribute data to the North American AIDS Cohort Collaboration on Research and

Design (NA-ACCORD) (reviewed by Gange, 2007, and listed at http://statepiaps.jhsph.edu/naaccord/Cohorts/index.html ), few studies prospectively tracked large numbers of patients as diverse in their geography, race, gender, HIV risk group, and social and economic class as the HOPS.

HOPS data can be used to monitor the progress in achieving the goals of the National HIV/AIDS Strategy (Centers for Disease Control and Prevention) to increase retention in HIV care, to reduce racial/ethnic disparities in treatment outcomes, and to reduce secondary HIV transmission.

### 2. Purpose and Use of the Information Collected

The overall purpose of the HOPS database and study design is to collect information about the demographic characteristics, symptoms, treatments, and laboratory values of a dynamic cohort of ambulatory HIV positive patients seen at eight clinics nationwide. The main objective of the project is to assess the efficacy, durability, and adverse effects of antiretroviral therapy in clinical practice. The HIV Outpatient Study (HOPS) relies on data already collected in the existing electronic charting systems at participating clinics, and combines and harmonizes these data in a centralized application, in order to obtain complete record of prospective outpatient visits to leading HIV clinicians, made by patients diverse in their geography, race, gender, HIV risk group, and social and economic class. Corporation currently collects these data at eight CDC funded outpatient HIV clinics in Tampa, FL; Washington, DC; Stony Brook, NY; Chicago, IL; Denver, CO; Philadelphia, PA. The data are supplemented with information on patients' sociodemographic characteristics and risk behaviors collected using a brief Telephone Audio-Computer Assisted Self-Interviewing (T-ACASI) survey or an identical web-based Audio-Computer Assisted Self-Interviewing (ACASI) (attachments 3a, 3b and 5). No changes to the study design or method are being made. The project is seeking to incorporate additional survey questions.

Rational allocation of resources for the treatment and care of persons with HIV infection depends on current knowledge about patient outcomes, characteristics, conditions, and current therapy of HIV-infected persons. This is not always easy to achieve;

particularly regarding persons early or midway through HIV disease progression, usually being seen and treated out-of-hospital. Access to reliable and up-to-date information that integrates demographic, clinical, and behavioral measures for the majority of HIV-infected patients cared for on an outpatient basis is needed for the effective utilization of health resources.

The objectives of the HOPS are to: (1) Describe and monitor trends in demographics, symptoms, diagnosis, treatments, and disease outcomes in a population of HIV-positive outpatients in clinics across the United States, (2) Describe factors associated with clinical, immunologic and virologic successes, as well as improved survival, (3) Characterize (new) problems associated with long-term HIV infection and its treatment and (4) Describe HIV risk behaviors and other risk behaviors (e.g., tobacco use, adherence to antiretroviral therapy) among HIV-infected patients.

During the previous 3-year period, milestones and accomplishments of the HOPS data collction activity include the detection and reporting on significant new trends on epidemiology of chronic HIV disease and characterizing optimal management and treatment strategies. The data collected for HOPS are used to optimize care for the prevention of HIV-related disease in adults and for prevention of ongoing HIV transmission, such as (i) Increasing access to care and improving health outcomes for people living with HIV and (ii) Reducing HIV-related disparities and health inequities;

Four hundred-fifty new HOPS study participants are to be recruited annually into the HOPS from a pool of HIV-infected individuals currently in HIV-care at the eight aforementioned clinics. Patients are approached by HOPS project clinic staff during one of their routine clinic visits and invited to participate in the HOPS. Patients, who have been actively recruited throughout the study period for this ongoing project, sign informed consents to have information collected from their physician visits, aggregated and analyzed by the CDC's Contractor (CERNER Corporation), and reported without any personal identifiers to the CDC. (Attachment 4). The HOPS protocol states that all patients are to be approached once per year by HOPS project clinic staff and offered behavioral survey (Attachment 3a, 3b and 5). We estimate 2,500 patients will participate in an annual voluntary behavioral survey.

HOPS is a convenience sample of patients in care at the participating HIV clinic sites. To ensure that the sample of patients from each site is representative of that site, practitioners are asked to attempt to enroll at least 80% of clinic patients, with a minimum participation of 75 active practice patients. Due to human resource constraints at some large HIV clinic sites, which have 300 or more patients actively participating, enrollment is focused on those patients who are newly entering HIV care at the participating HOPS clinics.

## 3. Use of Improved Information Technology and Burden Reduction

Abstracted medical record data will be entered into password protected and encrypted software application via laptop or desktop computer. Behavioral survey data will be collected via telephone computer assisted survey application or a web-based computer assisted survey application. HOPS patients accessing the telephone administered behavioral survey are assigned unique 4-digit numbers, and asked to complete the anonymous survey by dialing a 1-800 number from a private location in the clinic or from home (attachments 3a, **3b and 5**). Those patients completing the web-based behavioral survey are given a unique code and asked to complete the anonymous survey located on a secure encrypted web site from a private location in the clinic or from home. The ACASI will employ industry standard secure protocol for on-line data transmission encryption and no patient identifiable information is collected or stored. 100% of medical abstractions and behavioral surveys will be collected using electronic applications.

## 4. Efforts to Identify Duplication and Use of Similar Information

We reviewed currently funded programs and did not identify potential areas of duplication. We are not aware of any department or agency that collects prospective longitudinal data on clinical outcomes and related behaviors from a comparably large and demographically diverse population of both HIV-infected men and women in care.

### 5. Impact on Small Businesses or Other Small Entities

"This data collection will not involve small businesses."

### 6. Consequences of Collecting the Information Less Frequently

Clinical data abstraction activities performed by paid HOPS study staff cover a continuous record of all outpatient clinic visits and hospital discharge records from the time of HOPS enrollment. Such continuous longitudinal medical abstraction is essential to permit analyses and understanding of the epidemiologic relationships between treatments, laboratory values and diagnoses among HIVinfected patients followed in the HOPS. Behavioral survey data are collected from HIV-infected patients annually. Collecting data less than annually would not be advantageous, nor would it meet the needs of the HOPS study clinics that rely on the consistent collection of relevant data to augment the clinical care of their HIV-infected patient population. CDC needs to monitor HIV risk behaviors annually in order to inform Prevention with Positives programming which includes reducing new HIV infections, increasing knowledge of HIV infection status and increasing linkage to prevention, care and treatment services. HOPS clinics also use these behavioral survey results for tailoring their prevention activities to types of patients most at risk of unhealthy behaviors and poor clinical outcomes.

**7. Special Circumstances Relating to the Guidelines of 5 CFR 1320.5**This request fully complies with regulation 5 CRF 1320.5.

# 8. Comments in Response to the Federal Register Notice and Efforts to Consult Outside the Agency

A 60-day federal register notice to solicit public comments was published on 09/26/2017, Volume 82, Number 185, page number 44792-44794. A copy of this publication is attached (Attachment 2). Three (3) public comments were received during the public comment period. One anonymous comment from a Master of public health student was received in support of the study. The commenter recognized the value of the student. The second comment received was a non-substantive comment against the study and the use of federal funds being spent on this project (Attachment 2a).

Several consultations were conducted with various scientists and public health practitioners outside the agency.

In preparation for this new data collection activity, monthly consultation calls were held with HOPS data analysts, and a

statistical consultant to discuss analytic and data collection considerations in the HOPS project. Bimonthly calls were also held with medical doctors specializing in the treatment of HIV associated with the project to discuss which data to gather for HIV-infected patients - including which diagnoses, laboratory measurements and treatments - so as to best inform epidemiologic analyses for patient management and care. HOPS data have been routinely presented at international HIV conferences (including Conference on Retroviruses and Opportunistic Infections and International AIDS Society Meeting) where the project benefits from scientific peer review and consultations for continuous quality improvement.

Consultant	Organization	email
Joan Chmiel, PhD Statistician	Northwestern University School of Medicine, 645 N. Michigan Ave, Suite 900; Chicago, IL 60611	jchmiel@northwester n.edu
Frank Palella, MD Medical doctor	Northwestern University School of Medicine, 645 N. Michigan Ave, Suite 900; Chicago, IL 60611	f- palella@northwester n.edu
Benjamin Young, MD, PhD Sr. Vice President/Chief Medical Officer	International Association of Providers of AIDS Care. 1990 M Street, NW Suite 380 Washington, DC 20036	benjaminyoungmd@gma il.com
Ellen Tedaldi, MD Medical doctor	Temple University, 1316 W, Ontario Street; Jones Hall, Suite 808; Philadelphia, PA 19140	ellen.tedaldi@tuhs. temple.edu
Alan Greenberg, MD Medical epidemiologist	George Washington University School of Public Health, 950 New Hampshire Ave, NW 7th Floor Washington, DC 20052	aeg1@gwu.edu
Harlen Hayes, MPH, Statistician	Quantitative Research and Biostatistics. CERNER Corporation, 1953 Gallows Rd, Suite 500; Vienna, VA 22180	harlen.hays@cerner. com

## 9. Explanation of Any Payment or Gift to Respondents

This data collection activity does not offer payments, incentives, or tokens of appreciation to respondents.

### 10. Assurance of Confidentiality Provided to Respondents

The CDC/ATSDR Privacy Officer, has assessed this package for applicability of 5 U.S.C. § 552a, and determined that the Privacy Act applies to the overall information collection. The NCHHSTP IT Security Information System Security Officer (ISSO), consulted on the system security described in this project. The data system for this collection resides at an external third party data center and underwent a Privacy Impact Assessment (PIA) (see **Attachment 10**)when it was granted authority to operate during the SA&A process (Enterprise Systems Catalog, IT Record ID: 2327).

Personally-identifiable information (PII), (which may include patient's name, address, phone number, medical record number) are entered into the HOPS web-based data collection database at the local HIV clinic sites are kept encrypted in that database. This information is collected by the clinics as part of routine patient care and is not collected on behalf of CDC. The Behavioral Survey Instrument (Attachment 3a) does not collect this PII. The PII is collected as a result of the Data Abstract process (Attachment 6) but it is kept encrypted and is never transmitted to the CDC. PII primary purpose is to monitor trends in the demographics, symptoms, diagnoses, and treatments in a population of HIV-infected outpatient clinics across the United States. The designated HOPS Contractor staff extracts de-identified data entered by each of the local sites for centralized data quality control processing and analyses. CDC receives no PII variables, all patient information is labelled with a unique HOPS participant ID only. The data collection database maintained by the CDC Contractor has received Data Security Certification and Accreditation from the CDC Information Technology Office.

The HOPS does not have a Certificate of Confidentiality. However, the HOPS has multiple levels of protection to ensure privacy and security of the information collected from HOPS participants. The information abstracted from medical charts is encrypted in the HOPS data collection database. Only local HOPS clinic staff has access to the participants' personal identifying information. De-identified sensitive information from medical records and optional patient survey are transferred to the CDC via secure ftp site for analyses.

## 11. Institutional Review Board (IRB) and Justification for Sensitive Questions

### IRB Approval

The HIV Outpatient Study (HOPS), protocol 1997 has been reviewed and approved by the CDC IRB (Attachment 7).

### <u>Sensitive Questions</u>

HIV can be transmitted from person to person through sexual contact and the sharing of HIV contaminated needles and syringes. Understanding epidemiology of HIV infection necessitates the behavioral survey collecting sensitive data regarding disclosure of HIV/AIDS status, medical history, sexual orientation, sexual practices, and alcohol and drug use. In addition, demographic data including race/ethnicity and drug use history are abstracted from medical records. Although the behavioral and demographic information requested is sensitive, it is routinely collected as part of the clinical care activities for the HIV-infected patients seen in HOPS clinics. Additionally, the objectives of HOPS and its goal to inform the National HIV/AIDS strategy (Centers for Disease Control and Prevention) cannot be accomplished without the collection of this information. Collection of these data will be used to understand what may impact HIV care and treatment and how these behaviors and other health conditions may affect the clinical course of HIV disease, for example, how alcohol or drug use might affect adherence to antiretroviral medication and lead to higher HIV viral load. These data will also be used to enhance HIV prevention programs designed to reduce high-risk behaviors in persons most likely to transmit HIV.

The context in which questions are asked helps to overcome their potential sensitivity. There are several steps taken in HOPS to minimize sensitivity and reiterate to the respondent the legitimate need for the information:

Nearly all questions allow for responses of "don't know" or "refuse to answer."

Consent scripts make it clear that the survey is sponsored by CDC and the local participating clinic and that the information will be put to important uses (attachment 4).

Toll-free phone numbers are provided if the respondent has questions about the survey.

The questionnaire is carefully organized to lead smoothly from one topic to another. Transitions are made clear to respondents and the need for the information explained. Assurances about the privacy of the data are reiterated.

### 12. Estimates of Annualized Burden Hours and Costs

HOPS participants are offered the opportunity to participate in an optional annual behavioral survey (attachments 3a and 3b). Those who elect to participate are asked questions related to their HIV care: use of alcohol and drugs, cigarette smoking, adherence to HIV medications, sexual activity and disclosure of HIV status to partners. Among the estimated 2,500 HOPS patients participating in the HOPS in any given year, all will be invited by HOPS project clinic staff to participate in an annual voluntary 7-minute behavioral assessment. Patients will complete the brief assessment by dialing a 1-800 number (T-ACASI) or via a secure encrypted website (W-ACASI) from a private location in the clinic or home. The average annual burden to HOPS participants completing telephone/webbased behavioral assessments is 7 minutes. HOPS medical chart abstraction is carried out by paid HOPS study staff and requires no patient contact and therefore places no burden on the HOPS patients. We estimate consenting 450 new participants per year across all HOPS study sites (50 participants for each of 8 sites). The consent process takes approximately 15 minutes to complete. Because not all participants will answer all 12 of the new items. we are not anticipating an increase in burden time.

### A. Estimated Annualized Burden Hours

Type of Respondent	Form Name	No. of Respondents	No. of Responses per Respondent	Average Burden per Response (in hours)	Total Burden Hours
HOPS Study Patients	Behavioral Survey (att 3a,b,9)	2,500	1	7/60	292

HOPS Study Patients	Consent form	450	1	15/60	113
	(att 4)				
Total					405

## **B.** Estimated Annualized Cost to Respondents

The annualized burden cost is estimated in table A12b below. The annualized burden cost is \$6,548.85. Hourly wages for the four respondent categories were determined as follows:

The mean hourly wage for patients was estimated at a rate of \$16.17, which is the mean hourly wage reported on the 2016 Bureau of Labor Statistics, National Occupational Employment and Wage Estimates across all occupations in the United States (accessed on May 22, 2017 at https://www.bls.gov/oes/current/oes\_nat.htm).

Type of Respondent	Form Name	Total Burden Hours	Hourly wage rate	Total respondent costs
HOPS study Patients	Behavioral survey (att 3a,b)	292	\$16.17	\$4,721.64
HOPS Study Patients	Consent form (att 4)	113	\$16.17	\$1,827.21
Total				\$6,548.85

## 13. Estimates of Other Total Annual Cost Burden to Respondents and Record Keepers

There are no other costs to respondents associated with this proposed collection of information.

#### 14. Annualized Cost to the Federal Government

The annualized cost to the government is \$2,262,205.33. The cost of this project (contract# 200-2015-63931) for the three years is estimated to be \$2,138,478.92 x 3 years = \$6,415,436.76. The hourly rate was determined by using information contained in the job title table (43-4111 Interviewers, Except Eligibility and Loan) obtained from the US Department of Labor, Bureau of Labor Statistics:

http://www.bls.gov/oes/current/oes434111.htm (May 2016)(accessed on May 22, 2017)

Expense Type (Based on FY14 dollars)	Expense Explanation	Annual Costs (dollars)
Direct Costs to the Federal		
Government	_	
	HOPS personnel	
	Epidemiologist-13 (1) 100%	\$108,027
	Epidemiologist-14 (1) 100%	\$131,203
	Total direct costs to federal	\$239,230
	government	
Oant na at a said	Oceanies de la Company de la C	
Contractor and	Contractor(Project Admin, Data	φ==0 000 00
Other Expenses*	Management & Analysis)	\$550,229.28
	Supplemental Analytic Support	\$95,626.88
	Senior Statistician	\$32,381.37
	Site Research Consultants (Data	
	abstraction) – HOPS	\$859,622.93
	Principal Investigators	\$116,005.05
	Site Sub-investigators	\$75,860.97
	Licenses and IT support	\$128,377.35
	Other (PCs, printers, shipping,	
	internet)	\$14,650.41
	Travel	\$13,401.86
	Contractor Indirect Labor	
	(accounting)	\$15,017.68
	Overhead (senior statistician)	\$32,381.37
	Investigator's Meeting	\$47,026.66
	Contractor Profit (7.5% of	\$ 42,393.52
	Cerner Labor Costs)	
	Total contractor and other expenses	\$2,022,975.33
	TOTAL COST TO THE GOVERNMENT	<b>AD 000 007 00</b>
	TOTAL GOOT TO THE GOVERNMENT	\$2,262,205.33

<sup>\*</sup>Salary estimates were obtained from the US Office of Personnel Management salary scale EFFECTIVE JANUARY 2017 at <a href="https://www.opm.gov/policy-data-oversight/pay-leave/salaries-wages/salary-tables/pdf/2017/ATL.pdf">https://www.opm.gov/policy-data-oversight/pay-leave/salaries-wages/salary-tables/pdf/2017/ATL.pdf</a>. (accessed on May 22, 2017)

The personnel related to the HIV Outpatient Study (HOPS) data collection include project officers (epidemiologists) at the GS-13 and 14 levels. Travel by the contractor is related to providing technical assistance and conducting site visits and audits. Meeting(s) that will be held include the annual local HOPS principal investigators' meeting.

## 15. Explanation for Program Changes or Adjustments

This is a revision to the approved collection. During the previous 3 years of data collection for the HIV Outpatient Study, public health research has identified additional behaviors potentially associated with the care and treatment of HIV positive persons such as the use of e-cigarettes and smokeless tobacco, opioids, medical marijuana, PreP and mental health related issues. The following 12 additional survey questions are being added to further assess these additional behaviors among HIV positive patients participating in the HIV Outpatient Study and there potential effect on their HIV care and treatment. Based on review of the current survey response items and the average completion time, these new questions will not pose additional burden on participants.

## 16. Plans for Tabulation and Publication and Project Time Schedule

Clearance is requested for 3 years beginning 08/2018. The following is a brief overview of the HOPS Timeline.

Project Time Schedule			
Activity	Time Schedule		
Year 1			
Approach and consent	Starting 3-6 months after OMB		
patients	approval and for the rest of fiscal		
	year		
Abstract medical	Starting 3-6 months after OMB		
records of	approval and for the rest of fiscal		
interviewed patients	s year		
Data management	Starting 3-6 months after OMB		
	approval and for the rest of fiscal		
	year		
Analysis	6-12 months after OMB approval and		
	for the rest of the fiscal year		
Publication 12 months after OMB approval			
Year 2			
Approach and consent p			
1: 13-18 months after			

	OMB approval and
	continuing through the
	fiscal year.
Abstract medical records of	Continuation from year
interviewed patients	1: 13-18 months after
Tiller viewed patients	
	OMB approval and
	continuing through the
	fiscal year.
Data management	Continuation from year
	1: 13-18 months after
	OMB approval and
	continuing through the
	fiscal year.
Analysis	Continuation from year
	1: 18-24 months after
	OMB approval and
	continuing through the
	fiscal year.
Publication	Continuation from year
Publication	1
	1: 24 months after OMB
	approval and continuing
	through the fiscal year.
Year 3	
Approach and consent patients	Continuation from year
The case and consens paragraphs	2: 25-30 months after
	OMB approval and
	continuing through the
	fiscal year.
Abstract medical records of	Continuation from year
interviewed patients	2: 25-30 months after
·	OMB approval and
	continuing through the
	fiscal year.
Data managament	
Data management	Continuation from year
	2: 25-30 months after
	OMB approval and
	continuing through the
	fiscal year.
Analysis	Continuation from year
,	2: 33-36 months after
	OMB approval and
	continuing through the
	fiscal year.
Publication	Continuation from year
	2: 36 months after OMB
	approval and continuing
	through the fiscal year.
	cin ough the itseat year.

17. Reasons(s) Display of OMB Expiration Data is Inappropriate

The OMB expiration date will be displayed.

18. Exceptions to Certification for Paperwork Reduction Act Submission

There are no exceptions to the certification.

### **REFERENCES**

Zuniga, José M., Whiteside, Alan, Ghaziani, Amin, and Bartlett, John G. (2009, September). A Decade of HAART: The Development and Global Impact of Highly Active Antiretroviral Therapy. Oxford Scholarship Online: DOI:

10.1093/acprof:oso/9780199225859.001.0001