



Museum Data Files

November 2018 Release

Data File Documentation and User's Guide

Project Team

Lisa M. Frehill, Ph.D.

Marisa Pelczar, Ph.D.

Office of Impact Assessment and Learning, Office of Digital Information Strategies
Institute of Museum and Library Services

Matthew Birnbaum, Ph.D.

Supervisory Social Scientist

Office of Impact Assessment and Learning, Office of Digital Information Strategies
Institute of Museum and Library Services

November 2018

Institute of Museum and Library Services
Dr. Kathryn K. Matthew

Director

The Institute of Museum and Library Services is the primary source of federal support for the nation's libraries and museums. We advance, support, and empower America's museums, libraries, and related organizations through grant-making, research, and policy development. Our vision is a nation where museums and libraries work together to transform the lives of individuals and communities. To learn more, visit www.ims.gov and follow us on [Facebook](#) and [Twitter](#).

As part of its mission, IMLS conducts policy research, analysis, and data collection to extend and improve the nation's museum, library, and information services. IMLS research activities are conducted in ongoing collaboration with state library administrative agencies; national, state, and regional library and museum organizations; and other relevant agencies and organizations. IMLS research activities are designed to provide consistent, reliable, and accurate indicators of the status and trends in library and museum services; and to report timely, useful, and high-quality data to Congress, the states, other policymakers, practitioners, data users, and the general public.

Contact Information
Institute of Museum and Library Services
955 L'Enfant Plaza North, SW, Suite 4000
Washington, DC 20024-2135
202-653-IMLS (4657)
www.ims.gov

November 2018

Suggested Citation:

Frehill, L. M. and Pelczar, M. (2018). *Data File Documentation: Museum Data Files, FY 2018 Release*. Institute of Museum and Library Services: Washington, DC.

Unless specifically noted, all information contained herein is in the public domain and may be used and reprinted without special permission. Citation of this source is required.

Table of Contents

| | |
|--|-----------|
| I. Introduction | 1 |
| II. User's Guide | 2 |
| Data Collection and Processing..... | 3 |
| Initial Construction and Updates to the Museum Universe Data File..... | 3 |
| Final Cleaning and Construction of the New Set of Three Data Files, 2017-2018 | 3 |
| Caveats for Using These Data | 5 |
| Appendix B. Data Elements: Museum Data Files (MDF), November 2018 | 8 |
| Appendix C. Additional Information about Data Sources | 15 |
| Appendix D. Record Layout and Missing Values in Each of the Three Data Files..... | 17 |
| Appendix E. Frequencies- Selected Variables, File 1: Museums by Discipline (n = 7,429)..... | 22 |
| Appendix F. Frequencies - Selected Variables, File 2: General Museums (n = 7,959)..... | 29 |
| Appendix G. Frequencies - Selected Variables, File 3: Historical Societies/Historic Preservation (n = 14,783) | 35 |

List of Tables

| | |
|--|---|
| Table 1. Museum Disciplines, Filenames, and Entries in Each Museum Data File | 1 |
| Table 2. Treatment of File Entries, 2017-2018 | 4 |
| Table 3. Museum Organization Websites | 4 |

Museum Data Files November 2018 Release: Public Data File Documentation and User's Guide

Introduction

The current set of three Museum Data Files (MDF) are derived from the previously-released “Museum Universe Data File (MUDF),” which was originally created by IMLS in an effort to provide information about museums and museum related organizations in the 50 states and the District of Columbia. Appendix A provides a crosswalk of the May 2015 3rd Quarter Museum Universe Data File to the new set of three data files for those who are familiar with the previous file. IMLS does not currently plan to maintain or update the files beyond this 2018 release.

The three files include basic institutional identifying information approximately 30,000 establishments (i.e., museums and related organizations). The original Museum Universe Data File was a compilation of data from a variety of sources, including IMLS administrative data and records, Internal Revenue Service (IRS) nonprofit data (e.g., 990, 990-EZ, 990-N), lists of grantees from private foundations, and data obtained from third party commercial vendors.

Each of the three data files has the same file structure: one row per museum or museum-related organization, with 50 variables. Appendix B provides a list of all variables included in the data files, which are in CSV format to permit use in a variety of analysis packages. The content of each of the three files, based on museum discipline as originally specified in the May 2015 Museum Universe Data File, is shown in Table 1.

Table 1. Museum Disciplines, Filenames, and Entries in Each Museum Data File

| Discipline Code | Discipline | Museum Data File | # Entries in File |
|-----------------|---|--------------------------|-------------------|
| ART | Art Museums | File1 (7,429 entries) | 2,620 |
| BOT | Arboretums, Botanical Gardens, & Nature Centers | | 1,029 |
| CMU | Children's Museums | | 437 |
| HST | History Museums | | 1,776 |
| NAT | Natural History & Natural Science Museums | | 268 |
| SCI | Science & Technology Museums & Planetariums | | 834 |
| ZAW | Zoos, Aquariums, & Wildlife Conservation | | 465 |
| GMU | Uncategorized or General Museums | File2 | 7,959 |
| HSC | Historical Societies, Historic Preservation | File3 | 14,783 |

User's Guide

This release of the MDF includes three data files, a departure from the previous releases, which included all entries in one data file. Each of the three data files includes a different subset of museums and museum-related organizations based on museum discipline, which were subjected to different levels of editing. This results in data files that are more useful for those interested in studying museums within a specific discipline. There were no new establishments added to any of the three new data files.

All three files are released as CSV and will be referenced as File 1, File 2, or File 3 in this documentation, associated with specific files as follows:

- File 1 MuseumFile2018_File1_Nulls.csv
- File 2 MuseumFile2018_File2_Nulls.csv
- File 3 MuseumFile2018_File3_Nulls.csv

Other major changes in the FY 2018 release include:

- Flagging university and college museums and including Integrated Postsecondary Education Data System (IPEDS) record identification numbers. Data elements include IPEDS (unique identifier if museum or museum-related organization is associated with post-secondary institution) and INSTNAME (name of post-secondary “parent” institution). These data elements were added with the third MDF release in May 2015, but for the new release, IMLS verified all entries in File 1 and added IPEDS information, as applicable;
- A systematic review of information contained in the file to remove inactive museums and museum-related organizations (File 1);
- Addition of new variables such as CO_LOC_RES (Co-located resources, for example, a planetarium is often co-located with a science museum) to better capture the complexity of the file entries;
- Addition of six new variables (five of which are flags) to indicate the original source(s) of an establishment included in the file;
- Reorganization of variables in the file to consolidate categorical identification variables at the start of each entry;
- Consolidation of all entries that were categorized as “General Museums” – both museums and related organizations – into one file (File 2); and
- Consolidation of nearly half the original MUDF entries that were categorized as Historic societies/Historic preservation into one file (File 3), which includes museums and organizations¹.

¹ As an additional note, in the editing process, the heterogeneity of the data file entries categorized as HSC became apparent. In many cases, a single historical society might operate multiple historic properties as museums. In some cases all of these separate museums were already present on the MUDF, but in other cases, they were not. Users, therefore, are cautioned to consider this caveat when working with data associated with the HSC entries in the file.

Data Collection and Processing

Initial Construction and Updates to the Museum Universe Data File

The first Museum Universe Data File (MUDF) was compiled in FY 2013 through the aggregation of several data sources that contained organization information about museums and museum-related organizations in the United States. Sources included IRS nonprofit data (e.g., 990, 990-EZ, 990-N), IMLS administrative grant data, lists of grantees from private foundations, and data obtained from third party commercial vendors. Additional information about these data sources is included in Appendix C.

Since the initial release, two subsequent Museum Universe Data File releases incorporated additional information from other public sources, and professional organizations, such as the International Planetarium Society (IPS) and American Public Gardens Association (APGA), and federal government agencies, such as National Oceanic and Atmospheric Administration (NOAA), the National Archives and Records Administration (NARA), and the National Park Service (NPS), and through user-contributed feedback. The third MUDF release (FY 2015, 3rd Quarter) incorporated new entries added via a separate process with data from IPEDS about museums and museum-related organizations at colleges and universities. To improve quality, additional steps were taken to help standardize, validate, and correct the information provided. These steps included automated validation of data elements as well as human review of data fields.

Supplemental geographic information was included in the FY 2015 3rd Quarter Museum Universe Data File, to the extent possible, for each record from a commercial geocoding service. Geocoding information was derived from the geocoded address information listed in the data file (i.e., GSTREET, GCITY, GSTATE, GZIP). The geocoded address was derived from the physical address, if available. If no physical address was available, the geocoded address was based on the administrative address or IRS nonprofit tax information. Additionally, prior to the release of the FY 2015 3rd Quarter file, work was undertaken at Drexel University to verify NAICS and NTEEC codes, web URLs, museum names and addresses and to determine whether the establishment was still open or not. Hence, the FY 2015 3rd Quarter file reflected substantial work to clean and de-duplicate the entries in the museum file.

Final Cleaning and Construction of the New Set of Three Data Files, 2017-2018

In 2017-2018, IMLS conducted a comprehensive and multi-pronged review of the more than 33,000 entries in the FY 2015 3rd Quarter Museum Universe Data File to determine:

- the extent to which entries were duplicated;
- the extent to which entries conformed to a general definition of a museum (i.e., were museums), or were more properly understood to be a “museum related organization”; and
- the validity of the assigned museum discipline.

The following criteria, based on those adopted in the International Council of Museums (ICOM) museum definition, were used to assess whether an establishment included in the file was a museum or not²:

- Non-profit (or government);
- Organized on a permanent basis for essentially educational or aesthetic purposes;
- Owns or uses tangible or intangible objects, either animate or inanimate;
- Cares for these objects; and
- Exhibits these objects to the general public on a regular basis through facilities that it owns or operates.

The IMLS review of entries was segmented based on museum discipline. Each of the three files were then subjected to various levels of review as detailed in Table 2, with the resultant three data files released as CSV files with this final release of the Museum Data Files.

It is important to note that no new museums were added and there was limited updating of information already in the data files. For example, in File 1, and among all museums that were identified as affiliated with universities, file entry names and addresses were updated, as necessary. With the addition of the variable CO_LOC_RES, more information related to each entry was added, including whether IMLS noted evidence that the institution was part of a museum district (an aggregation, often spatial, of many museums), offered exhibits that could be characterized by another (secondary) museum discipline (e.g., a museum categorized as an arboretum (BOT) that also had an art gallery (ART)), or had a particular exhibit, such as a planetarium. In reviewing the previous Museum Universe Data File, IMLS found that most planetariums included in the file were not stand-alone museums but were part of a larger museum and more accurately considered an exhibit. The CO_LOC_RES variable enabled IMLS to preserve this information.

Table 2. Treatment of File Entries, 2017-2018

| File | Processing |
|--|---|
| File 1 (7,429 entries): Museums by Discipline Museums categorized in one of the following disciplines: ART, BOT, CMU, HST, NAT, SCI, and ZAW | <ul style="list-style-type: none"> • Elements reviewed to retain a de-duplicated set of entries, including verification that retained entries were not duplicated in Files 2 and 3 • Establishments that were not actual museums were removed, only entries that conformed to museum definition retained • Museums retained based on verification that entry conformed to the museum definition • Inactive museums removed, when identified • IPEDS data added to those entries discovered to be associated with colleges/universities |

² These criteria are also part of IMLS' eligibility criteria, which includes other requirements beyond those stated here. For more information about IMLS museum eligibility please see <https://www.imls.gov/grants/apply-grant/eligibility-criteria>.

| File | Processing |
|---|---|
| | <ul style="list-style-type: none"> When identified, information added about co-located resources (variable name: CO_LOC_RES) |
| File 2 (7,959 entries): General Museums and Related Organizations GMU (i.e., general museums) | <ul style="list-style-type: none"> Random sample pulled to assess reliability, validity, and extent of duplication Mechanical de-duplication based on location and organization name Verification that File 1 entries were not also included in File 2 Minimal specification of co-located resources (as available) |
| File 3 (14,783 entries): Historical Societies/Historic Preservation HSC | <ul style="list-style-type: none"> Random sample pulled to assess reliability, validity, and extent of duplication Verification that File 1 entries were not also included in File 3 Highly limited de-duplication |

Data file users may find it useful to also refer to the following websites of organizations that provided data for the museum data files, as shown in Table 3.

Table 3. Museum Organization Websites

| Organization Name | Website |
|--|---|
| Association of Academic Museums and Galleries* | http://www.aamg-us.org/wp/ |
| Association of Children's Museums | http://www.childrensmuseums.org/ |
| Association of Science and Technology Centers | http://www.astc.org/ |
| International Planetarium Society | http://www.ips-planetarium.org/ |
| American Public Gardens Association | https://publicgardens.org/ |
| Association of Zoos & Aquariums | https://www.aza.org/ |
| Association for Living History, Farm, and Agricultural Museums | http://www.alhfam.org/ |
| Association of Nature Center Administrators | http://natctr.org/ |
| National Park Service | https://www.nps.gov |
| National Archives and Records Administration | https://www.archives.gov/ |
| National Aeronautics and Space Administration | https://www.nasa.gov |
| National Oceanic and Atmospheric Administration | http://www.noaa.gov/ |
| U.S. Department of Agriculture | https://www.usda.gov/ |

* The Association of Academic Museums and Galleries did not contribute entries to the file but provides resources about museums located at colleges and universities.

Data Limitations

The information contained in the data files was derived from a variety of public sources. There are inherent limitations in the use of such administrative information. Third-party data may carry inherent accuracy weaknesses in that the data content often cannot be checked nor the accuracy

controlled. The source for each establishment in the data files is noted and such information is not subject to the customary federal guidelines. Although steps have been taken to improve data quality, the dynamic nature of establishments, means that these data represent the museum field at a particular moment in time. The last time establishments were added was with the FY 2015 file update, which included a refresh on the IRS BMF data (pulled in May 2015), incorporation of university-affiliated museums, and incorporation of museums from lists provided by museum organizations. IMLS cannot attest to overall accuracy and quality of the information provided by third parties. IMLS advises users to develop strategies for addressing these limitations.

Additional issues associated with the data:

- (1) Any text field in the data files reflects variations in spellings and abbreviations based on the original source from which the establishment was drawn;
- (2) EIN and DUNS numbers are not unique identifiers for museums and related organizations, for example, colleges and universities often have multiple entities that are separate museums;
- (3) Museum and gallery names are often subject to change. IMLS has included several name variations, when available, for each establishment in the data files to aid users in identifying entries and avoiding duplication if a user attempts to merge these with any independently collected data about museum establishments;
- (4) IMLS assessment of the reliability of the NTEEC and NAICS codes suggests that users should exercise caution in using these variables;
- (5) File 1: ART museums include art galleries that were determined to have an educational mission and were not commercial establishments;
- (6) File 2: The General Museums (GMU) category was originally used to describe museums that included many disciplines. De-duplication of entries in File 2 was completed with cross-referencing to Files 1 and 3, but it is possible that establishments within the GMU category might be assignable to a principle museum discipline if additional review were performed; and
- (7) File 3: Historical societies (HSC) sometimes operate multiple sites, some of which could meet the ICOM-based criteria, cited above, to be considered “museums.” Users are alerted to the complexity of the organizations included in the HSC file and should take this into consideration when performing analyses on File 3.

Appendix A. Crosswalk: Original Museum Universe Data File Entries and New Museum Files

Museum discipline was one of the variables included in the May 2015 Museum Universe Data File (MUDF) from which the set of three new files were extracted and which, together, constitute the Museum Files. The table, below, shows the number of entries for each discipline in the May 2015 file release and for each of the three new files included with this release.

| Discipline | MUDF Entries ³ | Entries in New File | New Museum Files Location |
|---|---------------------------|---------------------|---------------------------|
| Arboretums, botanical gardens, and nature centers (BOT) | 1,484 | 1,024 | File 1 |
| Art museums (ART) | 3,239 | 2,620 | File 1 |
| Children's museums (CMU) | 512 | 438 | File 1 |
| General museums (or uncategorized) (GMU) | 8,699 | 7,959 | File 2* |
| Historic societies, historic preservation (HSC) | 14,861 | 14,783 | File 3* |
| History museums (HST) | 2,284 | 1,776 | File 1 |
| Natural history and natural science museums (NAT) | 346 | 269 | File 1 |
| Science and technology centers and planetariums (SCI) | 1,083 | 834 | File 1 |
| Zoos, aquariums, and wildlife conservation (ZAW) | 564 | 465 | File 1 |
| Grand total number of entries in all files | 33,072 | 30,168 | |

* Please note that these two files had highly-limited de-duplication, as described elsewhere in this data file documentation.

³ Museum Universe Data File, 3rd Quarter FY 2015, released in May 2015.

Appendix B. Data Elements: Museum Data Files (MDF), August 2018

This section contains the list and description of data elements available in the three Museum Data Files, June 2018 release.

MID – Unique Museum Data File (MDF) identification number

DISCIPLINE – Museum discipline code of organization

Museum Discipline Codes

| Code | Discipline | File |
|------|---|--------|
| ART | Art Museums | File 1 |
| BOT | Arboretums, Botanical Gardens, & Nature Centers | |
| CMU | Children's Museums | |
| HST | History Museums | |
| NAT | Natural History & Natural Science Museums | |
| SCI | Science & Technology Museums & Planetariums | |
| ZAW | Zoos, Aquariums, & Wildlife Conservation | |
| GMU | Uncategorized or General Museums | File 2 |
| HSC | Historical Societies / Historic Preservation | File 3 |

EIN - Federal Employer Identification Number (EIN) number of organization.

CO_LOC_RES – Co-located resources: This data element includes additional information about entries discovered during the review process. For example, the previous version of MDF included information from the IPS about planetariums, but when these are located within another museum, they are considered an exhibit rather than a free-standing museum based on the definition of museum. Additionally, many entries included art galleries and gardens or arboretums. IMLS also used this field to indicate those entries that were part of museum districts, collections of multiple museums, typically in a geographic area within a city or town. Entries in this data element make use of the DISCIPLINE variable codes and other descriptive text.

NTEEC - National Taxonomy of Exempt Entities (NTEE) Core Codes, a classification system used by the Internal Revenue Service (IRS) and the National Center for Charitable Statistics (NCCS) to classify nonprofit organizations. Additional information, including a full list of NTEE organizational codes and

definitions, can be found at the following site: <http://nccs.urban.org/classification/NTEE.cfm>. Definitions for terms in the NTEE and Nonprofit Program Classification System (NPC) are based, in large part, on their counterparts in the AIRS/211 LA County Taxonomy of Human Services, Information and Referral Federation of Los Angeles County, Inc.

DUNS – A nine-digit number to uniquely identify businesses available from Dun & Bradstreet. The number is used to establish a credit file for a business and is required for government grants and contracts. For more information visit www.dnb.com/duns-number/what-is-duns.html.

NAICS – North American Industrial Classification System (NAICS), a classification system used by the federal government to classify business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. NAICS was developed under the auspices of the Office of Management and Budget (OMB), and adopted in 1997 to replace the Standard Industrial Classification (SIC) system. For more information about NAICS see: <http://www.census.gov/eos/www/naics/>

Museum-Related NAICS Codes:

| NAICS | Description |
|--------|---|
| 710000 | Arts, Entertainment, and Recreation |
| 712110 | Museums |
| 712120 | Historical Sites |
| 712130 | Zoos and Botanical Gardens |
| 712190 | Nature Parks and Other Similar Institutions |

COMMONNAME – Common name of organization

LEGALNAME – Legal name of organization

ALTNAME – Alternate name of organization

AKADBA – Alternate name of organization (also known as [aka]; doing business as [dba])

ADSTREET – Administrative address of organization, street address

ADCITY – Administrative address of organization, city

ADSTATE – Administrative address of organization, state

ADZIP5 – Administrative address of organization, ZIP+4

ADZIP – Administrative address of organization, ZIP

PHSTREET – Physical address of organization, street address

PHCITY – Physical address of organization, city

PHSTATE – Physical address of organization, state

PHZIP5 – Physical address of organization, ZIP+4

PHZIP – Physical address of organization, ZIP

PHONE – Phone number of organization

WEBURL – Web address of organization

TAXPER – Tax period of the latest return filed (YYYYMM) based on the Internal Revenue Service (IRS) Business Master File, May, 2015.

INCOMECD15 – Income Codes relate to the amount of income reported on Form 990 filed by the organization. Information comes from Internal Revenue Service (IRS) Business Master File (BMF), May 2015.

IncomeCD15 Codes

| Code | Description |
|------|------------------------------|
| 0 | \$0 |
| 1 | \$1 to \$9,999 |
| 2 | \$10,000 to \$24,999 |
| 3 | \$25,000 to \$99,999 |
| 4 | \$100,000 to \$499,999 |
| 5 | \$500,000 to \$999,999 |
| 6 | \$1,000,000 to \$4,999,999 |
| 7 | \$5,000,000 to \$9,999,999 |
| 8 | \$10,000,000 to \$49,999,999 |
| 9 | \$50,000,000 to greater |

INCOME15 – Gross receipts from the Internal Revenue Service (IRS) 990 Form as reported in the IRS Business Master File (BMF), May 2015. Income15 is a computer-generated amount by the IRS. For more information, please visit <https://www.irs.gov/charities-non-profits/exempt-organizations-business-master-file-extract-eo-bmf>

REVENUE15 – Total revenue from most recent Internal Revenue Service (IRS) 990 Form from the IRS May 2015 BMF.

IRS_STREET15 – IRS address of organization, street address from the IRS May 2015 BMF.

IRS_CITY15 – IRS address of organization, city from the IRS May 2015 BMF.

IRS_STATE15 – IRS address of organization, state from the IRS May 2015 BMF.

IRS_ZIP15 – IRS address of organization from the IRS May 2015 BMF.

RULEDATE15 – Date indicating when the registered nonprofit organization was recognized as having obtained their formal tax-exempt status by the IRS (i.e., when the IRS approved their applications for exempt status).

IPEDS – Unique identifier from Integrated Postsecondary Education Data System (IPEDS), the primary source for U.S. postsecondary education data. For more information see National Center for Education Statistics (NCES) <https://nces.ed.gov/ipeds/> Other institutional information (as applicable) includes:

INSTNAME – Name of parent or affiliated academic institution

INSTCITY – Address of academic institution, city

INSTSTATE – Address of academic institution, state

LONGITUDE – Longitude of institution's address; this field consists of two integers and six decimal places, with an explicit decimal point, decimal degree format, World Geodetic System Datum 1984; determined by geocoding service.

LATITUDE – Latitude of institution's address. This field consists of two integers and six decimal places, with an explicit decimal point, decimal degree format, World Geodetic System Datum 1984; determined by geocoding service.

AAMREG – Museum region, regions are determined by AAM. Additional information can be found at the following site: <http://www.aam-us.org/>

AAMREG Codes

| Code | Name | Description |
|------|-----------------|---|
| 1 | New England | Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont |
| 2 | Mid-Atlantic | District of Columbia, Delaware, Maryland, New Jersey, New York, Pennsylvania |
| 3 | Southeastern | Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia |
| 4 | Midwest | Iowa, Illinois, Indiana, Michigan, Minnesota, Missouri, Ohio, Wisconsin |
| 5 | Mountain Plains | Colorado, Kansas, Montana, North Dakota, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, Wyoming |
| 6 | Western | Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Utah, Washington |

BEAREG – Bureau of Economic Analysis regions. For more information see U.S. Department of Commerce, Bureau of Economic Analysis <http://www.bea.gov/regional/docs/regions.cfm>

BEAREG Codes

| Code | Name | Description |
|------|-----------------|---|
| 1 | New England | Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont |
| 2 | Mid-East | Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania |
| 3 | Great Lakes | Illinois, Indiana, Michigan, Ohio, Wisconsin |
| 4 | Plains | Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota |
| 5 | Southeast | Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia |
| 6 | Southwest | Arizona, New Mexico, Oklahoma, Texas |
| 7 | Rocky Mountains | Colorado, Idaho, Montana, Utah, Wyoming |
| 8 | Far West | Alaska, California, Hawaii, Nevada, Oregon, Washington |

LOCALE4 – NCES Urban-Centric Locale Codes classification; based on geocoded address of institution. Additional information can be found at the following site:

https://nces.ed.gov/ccd/rural_locales.asp

LOCALE4 Codes

| Code | Description |
|------|---|
| 1 | City – Territory inside an urbanized area and inside a principal city |
| 2 | Suburb – Territory inside an urbanized area but outside a principal city |
| 3 | Town – Territory inside an urban cluster that is outside an urbanized area |
| 4 | Rural – Census-defined rural territory that is outside an urbanized area or urbanized cluster. |

FIPSST – Federal Information Processing Standards (FIPS) State Code (US Census 2010); based on geocoded address of institution.

FIPSCO – Federal Information Processing Standards (FIPS) County Code (US Census 2010); based on geocoded address of institution.

GSTREET – Geocoded address of organization, street address

GCITY – Geocoded address of organization, city

GSTATE – Geocoded address of organization, state

GZIP5 – Geocoded address of organization, ZIP+4

GZIP – Geocoded address of organization, ZIP

BMF15_F – This flag indicates the record was found in the May 2015 IRS 990 BMF data. The IRS BMF contains descriptive information for all active organizations (public charities, private foundations, etc.) that have registered for tax-exempt status with the IRS.

0 – No, EIN not found in May 2015 Business Master File

1 – Yes, EIN found in May 2015 Business Master File

IMLSAD_F - IMLS administrative data source flag; this flag indicates that this record originally came from administrative IMLS grant information between 2008-2013

0 – No

1- Yes

FCT3P_F - Third party (Factual) source flag; this flag indicates that this record originally came from location-based data from Factual; data matched certain keywords: “museum”; data was acquired on 2014

0 – No
1 – Yes

PFND_F - Private grant foundation data source flag; this flag indicates that this record originally came from grant foundation information from the Foundation Center which maintains a comprehensive database on grant makers and their grants; (2008-2013) that matched “museum” related criteria

0 – No
1 – Yes

USER_F – User contribution flag, indicates that this record originally came from user contributed information.

0 – No
1 – Yes

UNI_F – Postsecondary institution/IPEDS data source flag, indicates that this record came from the manual review of postsecondary institutions.

0 – No
1 – Yes

OTHER_F – Other data source flag, indicates that this record originally came from another information source primarily data acquired from membership lists of professional museum related organizations. Organizational information provided. See variable, SOURCE, below, for specific organizations.

0 – No
1 – Yes

SOURCE – Abbreviated name of other data source (see OTHER_F flag, above) for file record if acquired from other source (current as of May 2015).

- APGA – American Public Gardens Association
- ASTC – Association of Science and Technology Centers
- AZA – Association of Zoos and Aquariums
- ACM – Association of Children’s Museums
- IPS – International Planetarium Society
- NPS – National Park Service
- ALHFAM – Association for Living History, Farm, and Agricultural Museums
- NARA – National Archives and Records Administration
- NASA – National Aeronautics and Space Administration
- NA – Not applicable, no other organization provided the source data for the file entry.

Appendix C. Additional Information about Data Sources

This appendix provides additional information about data sources originally used to compile the MDF. As indicated in Appendix D, there are flags in the museum datafiles to indicate these data sources for each file entry.

Internal Revenue Service 990 Data (FY 2009-2013, updated in 2015, Source Flag: BMF15_F)

The Internal Revenue Service (IRS) Business Master File contains descriptive information about all active and registered nonprofit organizations that filed for tax exempt status with the IRS (i.e., organizations that filed Form 990, 990-EZ, or 990-PF). In addition to the Business Master File, the IRS also maintains data about small exempt organizations that are not required to file Form 990, 990-EZ, or 990-PF, but which are required to file Form 990-N to maintain their exempt status (e.g., organizations that have gross receipts of less than \$50,000). Beginning in 2008, the IRS introduced a new form for these small nonprofits: Form 990-N, also called the *Electronic Notice (e-Postcard) for Tax-Exempt Organizations Not Required to File Form 990 or 990-EZ*.

Museums were identified in this data source⁴ as any organization that (1) filed between fiscal year 2009 and fiscal year 2013 and (2) identified itself as a museum according to the following National Taxonomy of Exempt Entities (NTEEC) codes:

- A50 Museum, Museum Activities
- A51 Art Museums
- A52 Children's Museums
- A53 Folk Art Museums
- A54 History Museums
- A56 Natural History, Natural Science Museum
- A80 Historical Organizations
- A82 Historical Societies & Historic Preservation
- C41 Botanical Gardens, Arboreta and Botanical Organizations
- D50 Zoo, Zoological Society

IMLS Administrative Records (FY 2009-2014, Source Flag: IMLSAD_F)

IMLS collects information about museums as part of the agency's grant-making mission. Organizational information about museums was selected for those organizations identified as museums that appeared in IMLS administrative systems between FY 2009 to FY 2014. This information was used to cross-validate records from other data sources.

⁴ Due to the lack of NTEEC codes in 990-N data, museum organizations were selected to be any organization that contained any of the following keywords: "MUSEUM," "ZOO," "ZOOLOGICAL," "AQUARIUM," "ARBORETUM," "BOTANICAL GARDEN," "OBSERVATORY." "CONSERVATORY," "PLANETARIUM," "NATURE CENTER," "NATURAL HISTORY," "HISTORICAL SOCIETY," "HISTORICAL HOUSE," "HISTORIC HOUSE," or "HISTORIC SITE" in the organizational name.

Private Foundation Grant Data (Foundation Center, 2009-2013, Source Flag: PFND_F)

Data from the Foundation Center contained information about grants from 1,000 of the largest foundations in the United States. It included all of the grants of \$10,000 or more that were awarded by independent, corporate, and grant-making operating foundations, as well as unrestricted and donor-advised fund grants, when available, for community foundations. Organizational information procured from the Foundation Center was used to select museums that received funds between 2009 and 2013. This information was used to cross-validate records from other existing data sources. For some records additional information was appended to the data file. For more details about Foundation Center data see: <http://data.foundationcenter.org/about.html>.

Third Party Commercial Sources (Factual, Source Flag: FCT3P_F)

Factual is a commercial data aggregator and supplier that maintains a database of more than 65 million points of interest in 50 countries and 23 million places in the United States. This data is aggregated and procured from several sources, to include third party provided contributions, public data sources, and volunteered geographic information, as well as Factual's proprietary machine-learned process for identifying data across the web. This data contains information about a place's name, address, phone number, latitude and longitude coordinates, type of organization, and website (when available). Factual's Resolve service was used in 2014 for entity resolution to cross-validate records from other data sources and to append additional records that were identified as museums, but which not listed in any existing source (e.g., IRS, grant data, or private foundation data). Museums were identified to be any organization matching museum-specific categories in Factual's [place taxonomy](#). This taxonomy maps to existing North American Industry Classification System (NAICS) and Standard Industrial Classification (SIC) codes.

Academic/Postsecondary Data (Source Flag: UNI_F)

Using information from the FY 2013 IPEDS survey, IMLS collected additional data about museums that were associated with academic institutions which were not previously collected or properly identified using other data sources. This process involved a systematic review of academic institution websites to identify associated museum and museum-related organizations. IPEDS data was used to identify approximately 7,700 academic institutions for initial review. This was later limited to approximately 4,800 institutions that met certain a criterion (i.e., active, degree granting, Title IV institutions that offer at least an associate's degree or higher). Using a standard protocol for identification and inclusion, approximately 2,700 active museum and museum-related organizations were identified and included in this release of the MDF. The online "Find your college" tool available at <https://nces.ed.gov/ipeds/> was used to update information about colleges associated with file entries during the 2017-2018 review period for entries in File 1.

User-Contributed Data (Source Flag: USER_F)

IMLS collected user-contributed feedback from previous Museum Universe Data File releases. These included reported errors or corrections provided by the public. User-contributed information was reviewed by staff and incorporated into this release. There are no plans to release another file after the June 2018 file release.

Appendix D. Record Layout and Missing Values in Each of the Three Data Files

| | | | | Missing Values, Number and Percent of All Entries in Each Data File | | | | | |
|------|--------|---------------|---|---|---------|-----------------|---------|-----------------|---------|
| | | | | File 1 (ART, BOT, CMU, HST, NAT, SCI, ZAW) | | File 2 (GMU) | | File 3 (HSC) | |
| New? | Column | Variable Name | Variable Description | Number | Percent | Number | Percent | Number | Percent |
| | | | TOTAL # Cases | 7,429 | | 7,959 | | 14,783 | |
| | A | MID | Unique Museum Data File (MDF) identification number | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | B | DISCIPL | Museum discipline code of organization | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | C | EIN | Federal Employer Identification Number (EIN) number of organization | 1,076 | 14.5% | 2,780 | 34.9% | 1,166 | 7.9% |
| NEW | D | CO_LOC_RES | Co-located resources identified | 7,169 | 96.5% | 7,936 | 99.7% | 14,780 | 100.0% |
| | E | NTEEC | National Taxonomy of Exempt Entities Core Codes, a classification system used by the Internal Revenue Service (IRS) and the National Center for Charitable Statistics (NCCS) to classify nonprofit organizations. | 2,551 | 34.3% | 3,797 | 47.7% | 2,621 | 17.7% |
| NEW | F | DUNS | Dun & Bradstreet DUNS number | 4,809 | 64.7% | 5,790 | 72.7% | 12,487 | 84.5% |
| | G | NAICS | North American Industrial Classification System (NAICS), a classification system used by the federal government to classify business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. | 2,559 | 34.4% | 4,223 | 53.1% | 10,004 | 67.7% |
| | H | COMMONNAME | Common name of organization | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

| | | | | Missing Values, Number and Percent of All Entries in Each Data File | | | | | |
|------|--------|---------------|---|---|---------|-----------------|---------|-----------------|---------|
| | | | | File 1 (ART, BOT, CMU, HST, NAT, SCI, ZAW) | | File 2 (GMU) | | File 3 (HSC) | |
| New? | Column | Variable Name | Variable Description | Number | Percent | Number | Percent | Number | Percent |
| | I | LEGALNAME | Legal name of organization | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | J | ALTNAME | Alternate name of organization | 6,560 | 88.3% | 7,481 | 94.0% | 14,092 | 95.3% |
| | K | AKADBA | Alternate name of organization (also known as [aka]; doing business as [dba]) | 7,100 | 95.6% | 7,596 | 95.4% | 13,839 | 93.6% |
| NEW | L | ADSTREET | Administrative address of organization - street | 9 | 0.1% | 3 | 0.0% | 1 | 0.0% |
| NEW | M | ADCITY | Administrative address of organization - city | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | N | ADSTATE | Administrative address of organization - state | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | O | ADZIP5 | Administrative address of organization, ZIP+4 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | P | ADZIP | Administrative address of organization - zipcode | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | Q | PHSTREET | Physical address - street | 5,366 | 72.2% | 6,188 | 77.7% | 10,306 | 69.7% |
| NEW | R | PHCITY | Physical address - city | 5,365 | 72.2% | 6,187 | 77.7% | 10,301 | 69.7% |
| NEW | S | PHSTATE | Physical address - state | 5,365 | 72.2% | 6,188 | 77.7% | 10,301 | 69.7% |
| | T | PHZIP5 | Physical address of organization, ZIP+4 | 5,366 | 72.2% | 6,188 | 77.7% | 10,301 | 69.7% |
| NEW | U | PHZIP | Physical address of organization, ZIP | 5,366 | 72.2% | 6,188 | 77.7% | 10,301 | 69.7% |
| | V | PHONE | Phone number of organization | 1,980 | 26.7% | 1,969 | 24.7% | 5,332 | 36.1% |
| | W | WEBURL | Web address of organization | 2,602 | 35.0% | 3,937 | 49.5% | 7,399 | 50.1% |
| | X | IRS_NAME15 | Name of organization - IRS 2015 | 2,492 | 33.5% | 3,936 | 49.5% | 2,248 | 15.2% |
| | Y | TAXPER15 | Tax period of the latest return filed as of May 2015(YYYYMM). | 2,569 | 34.6% | 4,066 | 51.1% | 2,309 | 15.6% |

| | | | | Missing Values, Number and Percent of All Entries in Each Data File | | | | | |
|------|--------|---------------|---|---|---------|-----------------|---------|-----------------|---------|
| | | | | File 1 (ART, BOT, CMU, HST, NAT, SCI, ZAW) | | File 2 (GMU) | | File 3 (HSC) | |
| New? | Column | Variable Name | Variable Description | Number | Percent | Number | Percent | Number | Percent |
| | Z | INCOMECD15 | Income category based on May 2015 Form 990 series return filed by the organization. Information comes from Internal Revenue Service (IRS) Business Master File. | 2,492 | 33.5% | 3,936 | 49.5% | 2,248 | 15.2% |
| | AA | INCOME15 | Total income from May 2015 Internal Revenue Service (IRS) 990 Form. Information comes from Internal Revenue Service (IRS) Business Master File. | 2,772 | 37.3% | 4,123 | 51.8% | 2,323 | 15.7% |
| | AB | REVENUE15 | Total revenue from most recent Internal Revenue Service (IRS) 990 Form. Information comes from Internal Revenue Service (IRS) Business Master File. | 2,937 | 39.5% | 4,403 | 55.3% | 2,486 | 16.8% |
| | AC | IRS_STREET15 | IRS address of organization - street | 2,490 | 33.5% | 3,967 | 49.8% | 2,249 | 15.2% |
| | AD | IRS_CITY15 | IRS address of organization - city | 2,490 | 33.5% | 3,967 | 49.8% | 2,248 | 15.2% |
| | AE | IRS_STATE15 | IRS address of organization - state | 2,490 | 33.5% | 3,968 | 49.9% | 2,248 | 15.2% |
| | AF | IRS_ZIP15 | IRS address of organization - zipcode | 2,490 | 33.5% | 3,967 | 49.8% | 2,248 | 15.2% |
| NEW | AG | RULEDATE15 | Date when registered nonprofit organization was recognized as having obtained formal tax-exempt status by the Internal Revenue Service. | 2,492 | 33.5% | 3,939 | 49.5% | 2,250 | 15.2% |
| | AH | IPEDS | Unique identifier from Integrated Postsecondary Education Data System, which is the primary | 5,241 | 70.5% | 7,613 | 95.7% | 14,751 | 99.8% |

| | | | | Missing Values, Number and Percent of All Entries in Each Data File | | | | | |
|------|--------|---------------|--|---|---------|-----------------|---------|-----------------|---------|
| | | | | File 1 (ART, BOT, CMU, HST, NAT, SCI, ZAW) | | File 2 (GMU) | | File 3 (HSC) | |
| New? | Column | Variable Name | Variable Description | Number | Percent | Number | Percent | Number | Percent |
| | | | source for postsecondary education data (if applicable). | | | | | | |
| | AI | INSTNAME | Name of parent or affiliated academic institution (if applicable) | 5,243 | 70.6% | 7,613 | 95.7% | 14,751 | 99.8% |
| NEW | AJ | INSTCITY | Parent academic institution city | 5,243 | 70.6% | 7,614 | 95.7% | 14,751 | 99.8% |
| NEW | AK | INSTST | Parent academic institution state | 5,243 | 70.6% | 7,614 | 95.7% | 14,751 | 99.8% |
| NEW | AL | LONGITUDE | Longitude of institution's address | 28 | 0.4% | 21 | 0.3% | 16 | 0.1% |
| NEW | AM | LATITUDE | Latitude of institution's address | 28 | 0.4% | 21 | 0.3% | 16 | 0.1% |
| | AN | AAMREG | Museum region, regions are determined by the American Alliance of Museums (AAM). | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | AO | BEAREG | Bureau of Economic Analysis regions. | 0 | 0.0% | 3 | 0.0% | 0 | 0.0% |
| | AP | LOCALE4 | National Center for Education Statistics (NCES) Urban-Centric Locale Codes classification; based on geocoded address of institution. | 18 | 0.2% | 28 | 0.4% | 16 | 0.1% |
| | AQ | FIPSST | Federal Information Processing Standards (FIPS) State Code (US Census 2010); based on geocoded address of institution. | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% |
| | AR | FIPSCO | Federal Information Processing Standards (FIPS) County Code (US Census 2010); based on geocoded address of institution. | 502 | 6.8% | 656 | 8.2% | 1181 | 8.0% |
| | AS | GSTREET | Geocoded address - street | 7 | 0.1% | 3 | 0.0% | 1 | 0.0% |

| | | | | Missing Values, Number and Percent of All Entries in Each Data File | | | | | |
|------|--------|---------------|---|---|---------|-----------------|---------|-----------------|---------|
| | | | | File 1 (ART, BOT, CMU, HST, NAT, SCI, ZAW) | | File 2 (GMU) | | File 3 (HSC) | |
| New? | Column | Variable Name | Variable Description | Number | Percent | Number | Percent | Number | Percent |
| | AT | GCITY | Geocoded address - city | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | AU | GSTATE | Geocoded address - state | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | AV | GZIP5 | Geocoded address - zip+4 | 0 | 0.0% | 29 | 0.4% | 0 | 0.0% |
| | AW | GZIP | Geocoded address - zipcode | 0 | 0.0% | 29 | 0.4% | 0 | 0.0% |
| | AX | BMF15_F | Internal Revenue Service's Business Master File (BMF) May 2015 flag. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | AY | IMLSAD_F | Flag: file entry from IMLS administrative records, 2009-2014 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | AZ | PFND_F | Flag: File entry from the Foundation Center, Private Foundation Grant Data | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | BA | FCT3P_F | Flag: file entry from third-party source, Factual provided in 2014 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | BB | USER_F | Flag: file entry from a file user since first release. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | BC | UNI_F | Flag: file entry added with 2015 review of 2013 IPEDS data; updated to reflect 2017-18 file review identification of entry as affiliated with a college/university. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | BD | Other_F | Flag: file entry was provided by another organization, including federal sources. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| NEW | BE | Source | Specific organizational source associated with the Other_F flag. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

Appendix E. Frequencies- Selected Variables, File 1: Museums by Discipline (n = 7,429)

DISCIPL - Museum Discipline

| Code | Value | Frequency | Percent | Valid Percent |
|------|---|-----------|---------|---------------|
| ART | Art | 2,620 | 35.3 | 35.3 |
| BOT | Arboretums, botanical gardens, & nature centers | 1,029 | 13.9 | 13.9 |
| CMU | Children's | 437 | 5.9 | 5.9 |
| HST | History | 1,776 | 23.9 | 23.9 |
| NAT | Natural science | 268 | 3.6 | 3.6 |
| SCI | Science & technology, and planetariums | 834 | 11.2 | 11.2 |
| ZAW | Zoos, aquariums, & wildlife conservation | 465 | 6.3 | 6.3 |
| | Total | 7,429 | 100.0 | 100.0 |

BMF15_F - Flag: Appeared in the May 2015 Internal Revenue Service (IRS) Business Master File (BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| 1 | Yes, appeared | 4,932 | 66.4 | 66.4 |
| 0 | No, not in BMF | 2,497 | 33.6 | 33.6 |
| | Total | 7,429 | 100.0 | 100.0 |

IPEDS - Integrated Postsecondary Education Data System identification number (unique for each college/university)

| Description | Frequency | Percent |
|--------------------------------------|--------------|--------------|
| Valid IPEDS Identification | 2,188 | 29.5 |
| Number of unique IPEDS codes | 1,427 | |
| No valid IPEDS ID (Coded as Missing) | 5,241 | 70.5 |
| Total | 7,429 | 100.0 |

GSTATE - Geocoded State

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------------|-----------|---------|---------------|
| AL | Alabama | 118 | 1.6 | 1.6 |
| AK | Alaska | 42 | .6 | .6 |
| AZ | Arizona | 125 | 1.7 | 1.7 |
| AR | Arkansas | 74 | 1.0 | 1.0 |
| CA | California | 742 | 10.0 | 10.0 |
| CO | Colorado | 160 | 2.2 | 2.2 |
| CT | Connecticut | 104 | 1.4 | 1.4 |
| DE | Delaware | 29 | .4 | .4 |
| DC | District of Columbia | 36 | .5 | .5 |
| FL | Florida | 331 | 4.5 | 4.5 |
| GA | Georgia | 172 | 2.3 | 2.3 |
| HI | Hawaii | 63 | .8 | .8 |
| ID | Idaho | 55 | .7 | .7 |
| IL | Illinois | 269 | 3.6 | 3.6 |
| IN | Indiana | 147 | 2.0 | 2.0 |
| IA | Iowa | 121 | 1.6 | 1.6 |
| KS | Kansas | 98 | 1.3 | 1.3 |
| KY | Kentucky | 112 | 1.5 | 1.5 |
| LA | Louisiana | 103 | 1.4 | 1.4 |
| ME | Maine | 77 | 1.0 | 1.0 |
| MD | Maryland | 136 | 1.8 | 1.8 |
| MA | Massachusetts | 223 | 3.0 | 3.0 |
| MI | Michigan | 211 | 2.8 | 2.8 |
| MN | Minnesota | 140 | 1.9 | 1.9 |
| MS | Mississippi | 60 | .8 | .8 |
| MO | Missouri | 130 | 1.7 | 1.7 |
| MT | Montana | 74 | 1.0 | 1.0 |
| NE | Nebraska | 81 | 1.1 | 1.1 |
| NV | Nevada | 44 | .6 | .6 |
| NH | New Hampshire | 49 | .7 | .7 |
| NJ | New Jersey | 148 | 2.0 | 2.0 |
| NM | New Mexico | 77 | 1.0 | 1.0 |
| NY | New York | 487 | 6.6 | 6.6 |
| NC | North Carolina | 210 | 2.8 | 2.8 |
| ND | North Dakota | 35 | .5 | .5 |
| OH | Ohio | 261 | 3.5 | 3.5 |
| OK | Oklahoma | 86 | 1.2 | 1.2 |
| OR | Oregon | 121 | 1.6 | 1.6 |
| PA | Pennsylvania | 328 | 4.4 | 4.4 |

| Code | Value | Frequency | Percent | Valid Percent |
|------|---------------|-----------|---------|---------------|
| RI | Rhode Island | 43 | .6 | .6 |
| SD | South Dakota | 53 | .7 | .7 |
| TN | Tennessee | 128 | 1.7 | 1.7 |
| TX | Texas | 445 | 6.0 | 6.0 |
| UT | Utah | 65 | .9 | .9 |
| VT | Vermont | 40 | .5 | .5 |
| VA | Virginia | 225 | 3.0 | 3.0 |
| WA | Washington | 174 | 2.3 | 2.3 |
| WV | West Virginia | 48 | .6 | .6 |
| WI | Wisconsin | 173 | 2.3 | 2.3 |
| WY | Wyoming | 51 | .7 | .7 |
| | Total | 7,429 | 100.0 | 100.0 |

AAMREG – Region, based on American Alliance of Museums (AAM) categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 536 | 7.2 | 7.2 |
| 2 | Mid-Atlantic | 1,164 | 15.7 | 15.7 |
| 3 | Southeastern | 1,686 | 22.7 | 22.7 |
| 4 | Midwest | 1,452 | 19.5 | 19.5 |
| 5 | Mountain Plains | 1,160 | 15.6 | 15.6 |
| 6 | Western | 1,431 | 19.3 | 19.3 |
| | Total | 7,429 | 100.0 | 100.0 |

BEAREG – Region, based on the U.S. Bureau of Economic Analysis categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 536 | 7.2 | 7.2 |
| 2 | Mid-East | 1,164 | 15.7 | 15.7 |
| 3 | Great Lakes | 1,061 | 14.3 | 14.3 |
| 4 | Plains | 658 | 8.9 | 8.9 |
| 5 | Southeast | 1,686 | 22.7 | 22.7 |
| 6 | Southwest | 733 | 9.9 | 9.9 |
| 7 | Rocky Mountains | 405 | 5.5 | 5.5 |
| 8 | Far West | 1,186 | 16.0 | 16.0 |
| | Total | 7,429 | 100.0 | 100.0 |

LOCALE4 – National Center for Education Statistics (NCES) urban-centric locale codes (based on geocoded address)

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------------|--------------|--------------|---------------|
| 1 | City | 2,827 | 38.1 | 38.1 |
| 2 | Suburb | 1,586 | 21.3 | 21.4 |
| 3 | Town | 937 | 12.6 | 12.6 |
| 4 | Rural | 2,061 | 27.7 | 27.8 |
| | Valid Total | 7,411 | 99.8 | 100.0 |
| | System missing | 18 | .2 | |
| | Total | 7,429 | 100.0 | |

INCOMECD15 – Income category based on May 2015 IRS Form 990 (from BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------------------|--------------|--------------|---------------|
| 0 | 0 | 1,327 | 17.9 | 26.9 |
| 1 | \$1 - \$9,999 | 115 | 1.5 | 2.3 |
| 2 | \$10,000 - \$24,999 | 121 | 1.6 | 2.5 |
| 3 | \$25,000 - \$99,999 | 517 | 7.0 | 10.5 |
| 4 | \$100,000 - 499,999 | 885 | 11.9 | 17.9 |
| 5 | \$500,000 - 999,999 | 323 | 4.3 | 6.5 |
| 6 | \$1,000,000 - \$4,999,999 | 495 | 6.7 | 10.0 |
| 7 | \$5,000,000 - \$9,999,999 | 132 | 1.8 | 2.7 |
| 8 | \$10,000,000 - \$49,999,999 | 306 | 4.1 | 6.2 |
| 9 | \$50,000,000 or greater | 716 | 9.6 | 14.5 |
| | Valid Total | 4,937 | 66.5 | 100.0 |
| | System missing | 2,492 | 33.5 | |
| | Total | 7,429 | 100.0 | |

CO_LOC_RES - Co-located resources associated with the museum

| Code | Frequency | Percent | Valid Percent |
|---|-----------|---------|---------------|
| AQUARIUM | 2 | .0 | .0 |
| ARBORETUM | 4 | .1 | .1 |
| ARBORETUM, GREENHOUSE | 1 | .0 | .0 |
| ARCHIVES | 3 | .0 | .0 |
| ART GALLERY | 1 | .0 | .0 |
| ART MUSEUM | 4 | .1 | .1 |
| ART; ARCHIVES | 1 | .0 | .0 |
| BIG BLACK CREEK HISTORICAL ASSOCIATION | 1 | .0 | .0 |
| BOATRIDE | 1 | .0 | .0 |
| BOTANIC GARDEN | 3 | .0 | .0 |
| CHILDRENS MUSEUM | 2 | .0 | .0 |
| COCHENOUR GALLERY | 1 | .0 | .0 |
| DALLAS ARTS DISTRICT | 3 | .0 | .0 |
| DEANS GALLERY | 1 | .0 | .0 |
| DESIGN DISTRICT | 1 | .0 | .0 |
| DISCOVERY CENTER | 1 | .0 | .0 |
| ESTATE | 20 | .3 | .3 |
| ESTATE; GARDEN | 6 | .1 | .1 |
| GALLERY | 1 | .0 | .0 |
| GALLERY, SCHOOL | 1 | .0 | .0 |
| GARDEN | 17 | .2 | .2 |
| GEOSCIENCE AND TROUTMAN COLLECTIONS | 1 | .0 | .0 |
| HERBARIUM | 2 | .0 | .0 |
| HISTORY MUSEUM | 2 | .0 | .0 |
| HISTORY THEME PARK | 1 | .0 | .0 |
| HOUSE | 2 | .0 | .0 |
| LIBRARY | 1 | .0 | .0 |
| MAYBORN COMPLEX | 1 | .0 | .0 |
| MULTIPLE BUILDINGS | 2 | .0 | .0 |
| MULTIPLE GALLERIES | 19 | .3 | .3 |
| MULTIPLE GALLERIES, FINE ARTS LIBRARY | 1 | .0 | .0 |
| MUSEUM DISTRICT | 16 | .2 | .2 |
| MUSEUM DISTRICT, FLINT CULTURAL CENTER | 1 | .0 | .0 |
| MUSEUM DISTRICT, NATURAL HISTORY MUSEUM | 1 | .0 | .0 |
| NATIONAL GALLERY OF ART | 1 | .0 | .0 |
| NATURAL HISTORY MUSEUM | 4 | .1 | .1 |
| NATURE CENTER | 1 | .0 | .0 |
| PERFORMANCE SPACE | 1 | .0 | .0 |
| PLANETARIUM | 109 | 1.5 | 1.5 |
| PLANETARIUM, AQUARIUM | 3 | .0 | .0 |
| PLANETARIUM, MUSEUM DISTRICT | 1 | .0 | .0 |

| Code | Frequency | Percent | Valid Percent |
|-------------------------------------|-----------|---------|---------------|
| PLANETARIUM, NATURAL HISTORY MUSEUM | 1 | .0 | .0 |
| RESEARCH CENTER | 3 | .0 | .0 |
| SCA GALLERY | 1 | .0 | .0 |
| SCHOOL | 1 | .0 | .0 |
| SCIENCE MUSEUM | 1 | .0 | .0 |
| STUDENT PROJECT SPACE | 1 | .0 | .0 |
| STUDENT-RUN | 2 | .0 | .0 |
| THEATRE | 1 | .0 | .0 |
| TWO GALLERIES | 1 | .0 | .0 |
| WEISS GALLERY | 1 | .0 | .0 |
| ZOO | 2 | .0 | .0 |
| Valid Total | 260 | | |
| System missing | 7,169 | 96.5 | 96.5 |
| Total | 7,429 | 100.0 | 100.0 |

NTEEC - National Taxonomy of Exempt Entities Classification system code

| Code | Value | Frequency | Percent | Valid Percent |
|---|--|-----------|---------|---------------|
| Common Museum-related NTEEC Codes | | | | |
| A50 | Museums and museum activities | 227 | 3.1 | 4.7 |
| A51 | Art museums | 596 | 8.0 | 12.2 |
| A52 | Children's museums | 273 | 3.7 | 5.6 |
| A53 | Folk museums | 8 | .1 | 0.2 |
| A54 | History museums | 1,505 | 20.3 | 30.9 |
| A56 | Natural history & natural science museums | 145 | 2.0 | 3.0 |
| A57 | Science & technology museums | 222 | 3.0 | 4.6 |
| A80 | Historical societies and related activities | 21 | .3 | 0.4 |
| A82 | Historical societies, historic preservation | 14 | .2 | 0.3 |
| C41 | Botanical gardens, arboreta, and botanical organizations | 202 | 2.7 | 4.1 |
| D50 | Zoos, zoological society | 147 | 2.0 | 3.0 |
| Other NTEEC codes highly represented in the file | | | | |
| B40 | Higher education institutions | 66 | 0.9 | 1.4 |
| B41 | Community/Jr. college | 13 | 0.2 | 0.3 |
| B42 | Undergraduate college (4-year) | 357 | 4.8 | 7.3 |
| B43 | University or technological | 362 | 4.9 | 7.4 |
| Cases in file with all other NTEEC codes | | 720 | 9.7 | 14.8 |
| Valid Total | | 4,878 | 65.7 | |
| System missing | | 2,551 | 34.3 | |
| Total | | 7,429 | 100.0 | 100.0 |

NAICS - North American Industrial Classification System codes

| Code | Value | Frequency | Percent | Valid percent |
|---|--|--------------|--------------|---------------|
| Museum-related NAICS codes | | | | |
| 712110 | Museums | 2,672 | 36.0 | 54.9 |
| 712120 | Historical sites | 35 | .5 | 0.7 |
| 712130 | Zoos and botanical gardens | 344 | 4.6 | 7.1 |
| 712190 | Nature parks and other similar institutions | 92 | 1.2 | 1.9 |
| Other NAICS codes highly represented in file | | | | |
| 611210 | Junior colleges | 21 | .3 | 0.4 |
| 611310 | Colleges, universities and professional schools | 992 | 13.4 | 20.4 |
| 710000 | Arts, entertainment and recreation, leisure | 179 | 2.4 | 3.7 |
| 813219 | Other grant-making and giving services | 253 | 3.4 | 5.2 |
| 813312 | Environment, conservation and wildlife organizations | 71 | 1.0 | 1.5 |
| Cases in file with all other NAICS codes | | 211 | 2.8 | 4.3 |
| | Total | 4,870 | 65.6 | 100.0 |
| | System missing | 2,559 | 34.4 | |
| | Total | 7,429 | 100.0 | |

Appendix F. Frequencies - Selected Variables, File 2: General Museums (n = 7,959)

DISCIPL - Museum Discipline

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| GMU | General Museums | 7,959 | 100.0 | 100.0 |
| | Total | 7,959 | 100.0 | 100.0 |

BMF15_F - Flag: Appeared in the May 2015 Internal Revenue Service (IRS) Business Master File (BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| 1 | Yes, appeared | 4,023 | 50.5 | 50.5 |
| 0 | No, not in BMF | 3,936 | 49.5 | 49.5 |
| | Total | 7,959 | 100.0 | 100.0 |

IPEDS - Integrated Postsecondary Education Data System identification number (unique for each college/university)

| Code | Frequency | Percent |
|--------------------------------|-----------|---------|
| Valid IPEDS Identification | 346 | 4.3 |
| Number of unique IPEDS codes | 275 | |
| Cases with no valid IPEDS code | 7,613 | 95.7 |
| Total | 7,959 | 100.0 |

GSTATE - Geocoded State

| Code | Value | Frequency | Percent | Valid Percent |
|-------------|----------------------|------------------|----------------|----------------------|
| AL | Alabama | 115 | 1.4 | 1.4 |
| AK | Alaska | 43 | .5 | .5 |
| AZ | Arizona | 112 | 1.4 | 1.4 |
| AR | Arkansas | 95 | 1.2 | 1.2 |
| CA | California | 720 | 9.0 | 9.0 |
| CO | Colorado | 177 | 2.2 | 2.2 |
| CT | Connecticut | 109 | 1.4 | 1.4 |
| DE | Delaware | 26 | .3 | .3 |
| DC | District of Columbia | 92 | 1.2 | 1.2 |
| FL | Florida | 297 | 3.7 | 3.7 |
| GA | Georgia | 175 | 2.2 | 2.2 |
| HI | Hawaii | 49 | .6 | .6 |
| ID | Idaho | 41 | .5 | .5 |
| IL | Illinois | 302 | 3.8 | 3.8 |
| IN | Indiana | 179 | 2.2 | 2.2 |
| IA | Iowa | 133 | 1.7 | 1.7 |
| KS | Kansas | 129 | 1.6 | 1.6 |
| KY | Kentucky | 117 | 1.5 | 1.5 |
| LA | Louisiana | 126 | 1.6 | 1.6 |
| ME | Maine | 102 | 1.3 | 1.3 |
| MD | Maryland | 168 | 2.1 | 2.1 |
| MA | Massachusetts | 208 | 2.6 | 2.6 |
| MI | Michigan | 190 | 2.4 | 2.4 |
| MN | Minnesota | 126 | 1.6 | 1.6 |
| MS | Mississippi | 67 | .8 | .8 |
| MO | Missouri | 194 | 2.4 | 2.4 |
| MT | Montana | 70 | .9 | .9 |
| NE | Nebraska | 88 | 1.1 | 1.1 |
| NV | Nevada | 55 | .7 | .7 |
| NH | New Hampshire | 56 | .7 | .7 |
| NJ | New Jersey | 137 | 1.7 | 1.7 |
| NM | New Mexico | 105 | 1.3 | 1.3 |
| NY | New York | 494 | 6.2 | 6.2 |
| NC | North Carolina | 184 | 2.3 | 2.3 |
| ND | North Dakota | 61 | .8 | .8 |
| OH | Ohio | 265 | 3.3 | 3.3 |
| OK | Oklahoma | 148 | 1.9 | 1.9 |
| OR | Oregon | 144 | 1.8 | 1.8 |

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| PA | Pennsylvania | 325 | 4.1 | 4.1 |
| RI | Rhode Island | 36 | .5 | .5 |
| SC | South Carolina | 103 | 1.3 | 1.3 |
| SD | South Dakota | 65 | .8 | .8 |
| TN | Tennessee | 156 | 2.0 | 2.0 |
| TX | Texas | 578 | 7.3 | 7.3 |
| UT | Utah | 54 | .7 | .7 |
| VT | Vermont | 46 | .6 | .6 |
| VA | Virginia | 228 | 2.9 | 2.9 |
| WA | Washington | 166 | 2.1 | 2.1 |
| WV | West Virginia | 63 | .8 | .8 |
| WI | Wisconsin | 170 | 2.1 | 2.1 |
| WY | Wyoming | 70 | .9 | .9 |
| | Total | 7,959 | 100.0 | 100.0 |

AAMREG - Region, based on American Alliance of Museums categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 557 | 7.0 | 7.0 |
| 2 | Mid-Atlantic | 1,242 | 15.6 | 15.6 |
| 3 | Southeastern | 1,726 | 21.7 | 21.7 |
| 4 | Midwest | 1,559 | 19.6 | 19.6 |
| 5 | Mountain Plains | 1,491 | 18.7 | 18.7 |
| 6 | Western | 1,384 | 17.4 | 17.4 |
| | Total | 7959 | 100.0 | 100.0 |

BEAREG - Region, based on U.S. Bureau of Economic Analysis categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 557 | 7.0 | 7.0 |
| 2 | Mid-East | 1,240 | 15.6 | 15.6 |
| 3 | Great Lakes | 1,106 | 13.9 | 13.9 |
| 4 | Plains | 796 | 10.0 | 10.0 |
| 5 | Southeast | 1,725 | 21.7 | 21.7 |
| 6 | Southwest | 944 | 11.9 | 11.9 |
| 7 | Rocky Mountains | 411 | 5.2 | 5.2 |
| 8 | Far West | 1,177 | 14.8 | 14.8 |
| | Total | 7,959 | 100.0 | 100.0 |
| | Missing | 3 | 0.038 | |

LOCALE4 - National Center for Education Statistics (NCES) urban-centric locale codes (based on geocoded address)

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| 1 | City | 2,664 | 33.5 | 33.6 |
| 2 | Suburb | 1,681 | 21.1 | 21.2 |
| 3 | Town | 1,332 | 16.7 | 16.8 |
| 4 | Rural | 2,254 | 28.3 | 28.4 |
| | Valid Total | 7,931 | 99.6 | 100.0 |
| | System missing | 28 | .4 | |
| | Total | 7,959 | 100.0 | |

INCOMECD15 - Income category based on May 2015 IRS Form 990 (from BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------------------|-----------|---------|---------------|
| 0 | 0 | 1,677 | 21.1 | 41.7 |
| 1 | \$1 - \$9,999 | 161 | 2.0 | 4.0 |
| 2 | \$10,000 - \$24,999 | 134 | 1.7 | 3.3 |
| 3 | \$25,000 - \$99,999 | 548 | 6.9 | 13.6 |
| 4 | \$100,000 - 499,999 | 671 | 8.4 | 16.7 |
| 5 | \$500,000 - 999,999 | 230 | 2.9 | 5.7 |
| 6 | \$1,000,000 - \$4,999,999 | 312 | 3.9 | 7.8 |
| 7 | \$5,000,000 - \$9,999,999 | 87 | 1.1 | 2.2 |
| 8 | \$10,000,000 - \$49,999,999 | 84 | 1.1 | 2.1 |
| 9 | \$50,000,000 or greater | 119 | 1.5 | 3.0 |
| | Valid Total | 4,023 | 50.5 | 100.0 |
| | System missing | 3,936 | 49.5 | |
| | Total | 7,959 | 100.0 | |

CO_LOC_RES - Co-located resources associated with the museum

| Code | Frequency | Percent | Valid Percent |
|--|--------------|-------------|---------------|
| ARCHIVES | 2 | .0 | 8.7 |
| ARCHIVES, GALLERY | 1 | .0 | 4.3 |
| BATTLEFIELD HISTORIC PARK | 1 | .0 | 4.3 |
| BAYLY BUILDING ADDITION | 1 | .0 | 4.3 |
| BOTANIC GARDEN | 1 | .0 | 4.3 |
| CULTURAL CENTER, DISCOVERY CENTER, HISTORIC SITE (BUILDINGS) | 1 | .0 | 4.3 |
| GALLERIES; GARDENS; BUILDINGS; HISTORY MUSEUM | 1 | .0 | 4.3 |
| LIBRARY | 1 | .0 | 4.3 |
| MOODY PLANETARIUM | 1 | .0 | 4.3 |
| MULTIPLE GALLERIES | 4 | .1 | 17.4 |
| MUSEUM DISTRICT | 3 | .0 | 13.0 |
| MUSEUM DISTRICT (HARVARD) | 3 | .0 | 13.0 |
| PLANETARIUM | 1 | .0 | 4.3 |
| PLANETARIUM, OBSERVATORY | 1 | .0 | 4.3 |
| TEACHING MUSEUM | 1 | .0 | 4.3 |
| Valid Total | 23 | 0.3 | 100.0 |
| System missing | 7,936 | 99.7 | |

NTEEC - National Taxonomy of Exempt Entities Classification system code

| Code | Value | Frequency | Percent | Valid Percent |
|---|--|--------------|-------------|---------------|
| Common Museum-related NTEEC Codes | | | | |
| A50 | Museums and museum activities | 2,594 | 32.6 | 62.3 |
| A51 | Art museums | 39 | 0.5 | 0.9 |
| A52 | Children's museums | 29 | 0.4 | 0.7 |
| A53 | Folk museums | 12 | 0.2 | 0.3 |
| A54 | History museums | 149 | 1.9 | 3.6 |
| A56 | Natural history & natural science museums | 16 | 0.2 | 0.4 |
| A57 | Science & technology museums | 3 | 0.0 | 0.1 |
| A80 | Historical societies and related activities | 69 | 0.9 | 1.7 |
| A82 | Historical societies, historic preservation | 74 | 0.9 | 1.8 |
| C41 | Botanical gardens, arboreta, and botanical organizations | 2 | 0.0 | 0.0 |
| D50 | Zoos, zoological society | 1 | 0.0 | 0.0 |
| Other NTEEC codes highly represented in the file | | | | |
| B40 | Higher education institutions | 15 | 0.2 | 0.4 |
| B41 | Community/Jr. college | 4 | 0.1 | 0.1 |
| B42 | Undergraduate college (4-year) | 39 | 0.5 | 0.9 |
| B43 | University or technological | 62 | 0.8 | 1.5 |
| Cases in file with all other NTEEC codes | | 1,054 | 13.2 | 25.3 |
| Valid Total | | 4,162 | 52.3 | 100.0 |
| System missing | | 3,797 | 47.7 | |

NAICS - North American Industrial Classification System codes

| Code | Value | Frequency | Percent | Valid percent |
|--|--|-----------|---------|---------------|
| Museum-related NAICS codes | | | | |
| 712110 | Museums | 2,530 | 31.8 | 67.7 |
| 712120 | Historical sites | 78 | 1.0 | 2.1 |
| 712130 | Zoos and botanical gardens | 3 | 0.0 | 0.1 |
| 712190 | Nature parks and other similar institutions | 9 | 0.1 | 0.2 |
| Other NAICS codes highly represented in file | | | | |
| 611210 | Junior colleges | 2 | 0.0 | 0.1 |
| 611310 | Colleges, universities and professional schools | 162 | 2.0 | 4.3 |
| 710000 | Arts, entertainment and recreation, leisure | 210 | 2.6 | 5.6 |
| 813219 | Other grant-making and giving services | 282 | 3.5 | 7.5 |
| 813312 | Environment, conservation and wildlife organizations | 4 | 0.1 | 0.1 |
| Cases in file with all other NAICS codes | | 456 | 5.7 | 12.2 |
| Total | | 3,736 | 46.9 | 100.0 |
| System missing | | 4,223 | 53.1 | |

Appendix G. Frequencies - Selected Variables, File 3: Historical Societies/Historic Preservation (n = 14,783)

DISCIPL - Museum Discipline

| Code | Value | Frequency | Percent | Valid Percent |
|------|--|-----------|---------|---------------|
| HSC | Historical societies/Historic preservation | 14,783 | 100.0 | 100.0 |
| | Total | 14,873 | 100.0 | 100.0 |

BMF15_F - Flag: Appeared in the May 2015 Internal Revenue Service (IRS) Business Master File (BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| 1 | Yes, appeared | 12,535 | 84.8 | 84.8 |
| 0 | No, not in BMF | 2,248 | 15.2 | 15.2 |
| | Total | 14,783 | 100.0 | 100.0 |

IPEDS - Integrated Postsecondary Education Data System identification number (unique for each college/university)

| | | Frequency | Percent |
|----------------------------|--------------------------------|-----------|---------|
| Valid IPEDS Identification | | 32 | 0.2 |
| | Number of unique IPEDS codes | 29 | |
| | Cases with no valid IPEDS code | 14,751 | 99.8 |
| | Total | 14,783 | 100.0 |

GSTATE - Geocoded State

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------------|-----------|---------|---------------|
| AL | Alabama | 192 | 1.3 | 1.3 |
| AK | Alaska | 68 | .5 | .5 |
| AZ | Arizona | 169 | 1.1 | 1.1 |
| AR | Arkansas | 123 | .8 | .8 |
| CA | California | 953 | 6.4 | 6.4 |
| CO | Colorado | 254 | 1.7 | 1.7 |
| CT | Connecticut | 275 | 1.9 | 1.9 |
| DE | Delaware | 65 | .4 | .4 |
| DC | District of Columbia | 45 | .3 | .3 |
| FL | Florida | 422 | 2.9 | 2.9 |
| GA | Georgia | 275 | 1.9 | 1.9 |
| HI | Hawaii | 50 | .3 | .3 |
| ID | Idaho | 103 | .7 | .7 |

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| IL | Illinois | 608 | 4.1 | 4.1 |
| IN | Indiana | 316 | 2.1 | 2.1 |
| IA | Iowa | 347 | 2.3 | 2.3 |
| KS | Kansas | 268 | 1.8 | 1.8 |
| KY | Kentucky | 204 | 1.4 | 1.4 |
| LA | Louisiana | 131 | 0.9 | 0.9 |
| ME | Maine | 325 | 2.2 | 2.2 |
| MD | Maryland | 275 | 1.9 | 1.9 |
| MA | Massachusetts | 524 | 3.5 | 3.5 |
| MI | Michigan | 550 | 3.7 | 3.7 |
| MN | Minnesota | 370 | 2.5 | 2.5 |
| MS | Mississippi | 106 | .7 | .7 |
| MO | Missouri | 372 | 2.5 | 2.5 |
| MT | Montana | 106 | .7 | .7 |
| NE | Nebraska | 162 | 1.1 | 1.1 |
| NV | Nevada | 56 | .4 | .4 |
| NH | New Hampshire | 232 | 1.6 | 1.6 |
| NJ | New Jersey | 421 | 2.8 | 2.8 |
| NM | New Mexico | 93 | 0.6 | 0.6 |
| NY | New York | 1,047 | 7.1 | 7.1 |
| NC | North Carolina | 337 | 2.3 | 2.3 |
| ND | North Dakota | 157 | 1.1 | 1.1 |
| OH | Ohio | 720 | 4.9 | 4.9 |
| OK | Oklahoma | 208 | 1.4 | 1.4 |
| OR | Oregon | 241 | 1.6 | 1.6 |
| PA | Pennsylvania | 854 | 5.8 | 5.8 |
| RI | Rhode Island | 88 | .6 | .6 |
| SC | South Carolina | 155 | 1.0 | 1.0 |
| SD | South Dakota | 95 | .6 | .6 |
| TN | Tennessee | 220 | 1.5 | 1.5 |
| TX | Texas | 650 | 4.4 | 4.4 |
| UT | Utah | 34 | .2 | .2 |
| VT | Vermont | 183 | 1.2 | 1.2 |
| VA | Virginia | 403 | 2.7 | 2.7 |
| WA | Washington | 292 | 2.0 | 2.0 |
| WV | West Virginia | 123 | .8 | .8 |
| WI | Wisconsin | 467 | 3.2 | 3.2 |
| WY | Wyoming | 49 | .3 | .3 |
| | Total | 14,783 | 100.0 | 100.0 |

AAMREG - Region, based on American Alliance of Museums categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 1627 | 11.0 | 11.0 |
| 2 | Mid-Atlantic | 2,707 | 18.3 | 18.3 |
| 3 | Southeastern | 2,691 | 18.2 | 18.2 |
| 4 | Midwest | 3,750 | 25.4 | 25.4 |
| 5 | Mountain Plains | 2,042 | 13.8 | 13.8 |
| 6 | Western | 1,966 | 13.3 | 13.3 |
| | Total | 14,783 | 100.0 | 100.0 |

BEAREG - Region, based on U.S. Bureau of Economic Analysis categories

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------|-----------|---------|---------------|
| 1 | New England | 1627 | 11.0 | 11.0 |
| 2 | Mid-East | 2,707 | 18.3 | 18.3 |
| 3 | Great Lakes | 2,661 | 18.0 | 18.0 |
| 4 | Plains | 1,771 | 12.0 | 12.0 |
| 5 | Southeast | 2,691 | 18.2 | 18.2 |
| 6 | Southwest | 1,120 | 7.6 | 7.6 |
| 7 | Rocky Mountains | 546 | 3.7 | 3.7 |
| 8 | Far West | 1,660 | 11.2 | 11.2 |
| | Total | 14,783 | 100.0 | 100.0 |

LOCALE4 - National Center for Education Statistics (NCES) urban-centric locale codes (based on geocoded address)

| Code | Value | Frequency | Percent | Valid Percent |
|------|----------------|-----------|---------|---------------|
| 1 | City | 2,970 | 20.1 | 20.1 |
| 2 | Suburb | 3,745 | 25.3 | 25.4 |
| 3 | Town | 2,605 | 17.6 | 17.6 |
| 4 | Rural | 5,447 | 36.8 | 36.9 |
| | Valid Total | 14,767 | 99.9 | 100.0 |
| | System missing | 16 | .1 | |

INCOMECD15 - Income category based on May 2015 IRS Form 990 (from BMF)

| Code | Value | Frequency | Percent | Valid Percent |
|------|-----------------------------|-----------|---------|---------------|
| 0 | 0 | 7,508 | 50.8 | 59.9 |
| 1 | \$1 - \$9,999 | 459 | 3.1 | 3.7 |
| 2 | \$10,000 - \$24,999 | 480 | 3.2 | 3.8 |
| 3 | \$25,000 - \$99,999 | 1,680 | 11.4 | 13.4 |
| 4 | \$100,000 - 499,999 | 1,584 | 10.7 | 12.6 |
| 5 | \$500,000 - 999,999 | 369 | 2.5 | 2.9 |
| 6 | \$1,000,000 - \$4,999,999 | 334 | 2.3 | 2.7 |
| 7 | \$5,000,000 - \$9,999,999 | 58 | 0.4 | 0.5 |
| 8 | \$10,000,000 - \$49,999,999 | 46 | 0.3 | 0.4 |
| 9 | \$50,000,000 or greater | 17 | 0.1 | 0.1 |
| | Valid Total | 12,535 | 84.8 | 100.0 |
| | System missing | 2,248 | 15.2 | |
| | Total | 14,783 | 100.0 | |

CO_LOC_RES - Co-located resources associated with the museum

| Code | Value | Frequency | Percent | Valid Percent |
|------|---------------------------------|-----------|---------|---------------|
| | ESTATE; GARDEN | 1 | .0 | .0 |
| | LIBRARY (BUILT 1884) | 1 | .0 | .0 |
| | MULTIPLE BUILDING & COLLECTIONS | 1 | .0 | .0 |
| | Valid Total | 3 | 0.0 | 0.0 |
| | System missing | 14,780 | 100.0 | |
| | Total | 14,783 | 100.0 | |

NTEEC - National Taxonomy of Exempt Entities Classification system code

| Code | Value | Frequency | Percent | Valid Percent |
|---|--|-----------|---------|---------------|
| Common Museum-related NTEEC Codes | | | | |
| A50 | Museums and museum activities | 501 | 3.4 | 4.1 |
| A51 | Art museums | 9 | 0.1 | 0.1 |
| A52 | Children's museums | 2 | 0.0 | 0.0 |
| A53 | Folk museums | 1 | 0.0 | 0.0 |
| A54 | History museums | 529 | 3.6 | 4.3 |
| A56 | Natural history & natural science museums | 16 | 0.1 | 0.1 |
| A57 | Science & technology museums | 0 | 0.0 | 0.0 |
| A80 | Historical societies and related activities | 5,904 | 39.9 | 48.5 |
| A82 | Historical societies, historic preservation | 4,192 | 28.4 | 34.5 |
| C41 | Botanical gardens, arboreta, and botanical organizations | 2 | 0.0 | 0.0 |
| D50 | Zoos, zoological society | 2 | 0.0 | 0.0 |
| Other NTEEC codes highly represented in the file | | | | |
| B40 | Higher education institutions | 1 | 0.0 | 0.0 |
| B41 | Community/Jr. college | 0 | 0.0 | 0.0 |
| B42 | Undergraduate college (4-year) | 2 | 0.0 | 0.0 |
| B43 | University or technological | 8 | 0.1 | 0.1 |
| Cases in file with all other NTEEC codes | | 993 | 6.7 | 8.2 |
| Valid Total | | 12,162 | 82.3 | 100.0 |
| System missing | | 2,621 | 17.7 | |

NAICS - North American Industrial Classification System codes

| Code | Value | Frequency | Percent | Valid percent |
|---|--|-----------|---------|---------------|
| Museum-related NAICS codes | | | | |
| 712110 | Museums | 715 | 4.8 | 15.0 |
| 712120 | Historical sites | 2,416 | 16.3 | 50.6 |
| 712130 | Zoos and botanical gardens | 4 | 0.0 | 0.1 |
| 712190 | Nature parks and other similar institutions | 16 | 0.1 | 0.3 |
| Other NAICS codes highly represented in file | | | | |
| 611210 | Junior colleges | 0 | 0.0 | 0.0 |
| 611310 | Colleges, universities and professional schools | 18 | 0.1 | 0.4 |
| 710000 | Arts, entertainment and recreation, leisure | 213 | 1.4 | 4.5 |
| 813219 | Other grant-making and giving services | 335 | 2.3 | 7.0 |
| 813312 | Environment, conservation and wildlife organizations | 44 | 0.3 | 0.9 |
| 813410 | Civic and social organizations | 286 | 1.9 | 6.0 |
| 813920 | Professional organizations | 135 | 0.9 | 2.8 |
| Cases in file with all other NAICS codes | | 597 | 4.0 | 12.5 |
| Total | | 4,779 | 32.3 | 100.0 |
| System missing | | 10,004 | 67.7 | |