

Program Information API Use Cases

Note - see [Data Model from Amy Opalek](#)

Get a List of All School/Program Data

ID	PIAPI-001
Title	Get a List of All School/Program Data
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system requests a list of school/program data maintained on another system.
Success end condition	The Data Consumer receives a list of the data the consumer is authorized to receive for schools/programs.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) wants a list of all schools/programs. That user or system makes a request to the system that maintains the list of schools/programs. The maintaining system returns the list of schools/programs to the third party user or system.
Transaction	Requesting a list of school/program data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

Get a List of New/Updated School/Program Data

ID	PIAPI-002
Title	Get a List of New/Updated School/Program Data
Actors	Data Consumer - app, website, BI tool, etc Data School Provider - AAMC, FAIMER, etc
Trigger event	A user or system requests a list of new or updated school/program data added to another system.
Success end condition	The Data Consumer receives a list of the data the consumer is authorized to receive that has recently been added or updated.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) wants a list of recently added school/program data. That user or system makes a request to the system that maintains the list of schools (data provider), with a date to only include schools that have been added to or updated in the system since that date. The maintaining system returns the list of school/program data added since the provided date.
Transaction	Requesting a list of recently added/updated school/program data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

Get Individual School/Program Data by ID

ID	PIAPI-003
Title	Get Individual School/Program Data by ID
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system requests school/program data by the ID of the school/program maintained on another system.
Success end condition	The Data Consumer receives all of the data the consumer is authorized to receive for the specified school/program.
Assumptions	The data consumer has access to the school/data provider.
Description	A third party user or system (data consumer) wants school/program data for a specific school/program. That user or system makes a request to the system that maintains the list of schools/programs (data provider) and provides the ID of the school/program. The maintaining system returns the specific school/program data to the third party user or system.
Transaction	Requesting a single record of school data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

Find a School/Program by Characteristic(s)

ID	PIAPI-004
Title	Find a School/Program by Characteristic(s)
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system queries for school/program data by characteristic(s) of the school/program maintained on another system.
Success end condition	The Data Consumer receives school/program search results, including links to full school/program data, based the characteristic (s) supplied.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) wants school/program data for a specific school/program. The consumer doesn't know the ID of the school/program but wants to search by characteristic(s) - name, country, state /province, language That user or system makes a request to the system that maintains the list of schools/programs (data provider) and provides the characteristic(s) of the school/program. The data provider accumulates a list of schools that match the supplied characteristic(s). The data provider returns the list of school/program search results, including links to full school/program data, to the data consumer. The data consumer determines the target school/program in the list and requests the school/program data by ID. The data provider returns the school/program data associated with that ID.
Transaction	Requesting a list of school/program data from another system.

Exceptions	
Potential Standards	School Data Program Data School/Program Search Results School/Program Data Application Programming Interface (API)

Requesting a University by ID Returns a List of Schools of that University

ID	PIAPI-005
Title	Requesting a University by ID Returns a List of Schools of that University
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system (data consumer) queries for a University by ID.
Success end condition	The data consumer receives a list of links to schools within the requested University.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) requests University data by ID. The medical school provider returns University data, which includes URLs to the school/program data for each school within the university.
Transaction	Requesting a single record of school data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

School Data Includes a List of URLs to Program Information *(We may want to make this school /sponsor to reflect the language used in graduate medical education training. I'm not sure what language is used in training for advanced nurses - will check).*

ID	PIAPI-006
Title	School Data Includes a List of URLs to Program Information
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system (medical school consumer) queries for a medical school by ID.
Success end condition	The Data Consumer receives a list program data URLs for programs provided by the medical school.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) requests school/program data by ID. The data provider returns school/program data, which includes URLs to program data provided by that school/program.
Transaction	Requesting a single record of school/program data from another system.
Exceptions	

Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)
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School/Program Data Includes Relationships to Other Schools/Programs and Universities

ID	PIAPI-007
Title	School/Program Data Includes Relationships to Other Schools/Programs and Universities
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system (data consumer) queries for a school/program by ID.
Success end condition	The Data Consumer receives school/program data that includes relationships to other schools/programs, such as campuses to schools/programs and schools/programs to universities.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) requests school/program data by ID. The data provider returns school/program data, which includes related schools/programs, campuses and universities.
Transaction	Requesting a single record of school/program data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

School/Program Data Can Link to the School/Program Data on Another Provider's System

ID	PIAPI-008
Title	School/Program Data Can Link to the School/Program Data on Another Provider's System
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system (data consumer) queries for a school/program by ID.
Success end condition	The Data Consumer receives school/program data that includes links to data about the specific school/program that is maintained by another system or organization.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) requests school/program data by ID. The data provider knows other organizations maintain data about the requested school/program. The data provider includes links to the other organization's data about the school/program. The data provider returns school/program data, which includes links to the school's/program's data maintained by other organizations.
Transaction	Requesting a single record of school/program data from another system.
Exceptions	

Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)
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A Specific Program is Offered by More Than One School/Program

ID	PIAPI-009
Title	A Specific Program is Offered by More Than One School/Program
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system (data consumer) queries for a school/program by ID.
Success end condition	The Data Consumer receives school/program data that includes program data, which contains links to other schools/programs offering this program.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) requests school/program data by ID. The data provider knows a program offered by this school/program is also offered by another school/program. The data provider includes links to the other school's/program's data. The data provider returns school/program data, which includes links to the other school's/program's data that offers the same program.
Transaction	Requesting a single record of school/program data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

Data Provider Includes Alternate IDs for School or Program Data

ID	PIAPI-010
Title	Data Provider Includes Alternate IDs for School or Program Data
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system requests school/program data from a Data Provider.
Success end condition	The Data Consumer receives all publicly available data for the school/program, including alternate IDs for the data.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) wants school/program data. That user or system makes a request to the system that maintains the list of schools/programs (data provider). The data provider has alternate IDs for the school/program. The data provider returns the specific school/program data to the third party user or system, including the alternate IDs.
Transaction	Requesting a single record of school/program data from another system.

Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)

Data Consumer Retrieves School or Program Data Using an Alternate ID

ID	PIAPI-011
Title	Data Consumer Retrieves School or Program Data Using an Alternate ID
Actors	Data Consumer - app, website, BI tool, etc Data Provider - AAMC, FAIMER, etc
Trigger event	A user or system requests school/program data from a Data Provider using an ID from another organization.
Success end condition	The Data Consumer receives all publicly available data for the school/program.
Assumptions	The data consumer has access to the data provider.
Description	A third party user or system (data consumer) wants school/program data. That user or system makes a request to the system that maintains the list of schools/programs (data provider) using an ID from another organization. The data provider maps the provided ID to its local identifier for the school/program. The maintaining system returns the specific school/program data to the third party user or system.
Transaction	Requesting a single record of school/program data from another system.
Exceptions	
Potential Standards	School Data Program Data School/Program Data Application Programming Interface (API)