

# Program Information API Use Cases

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

## Get a List of All School/Program Data

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

## Get a List of New/Updated School/Program Data

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

## Get Individual School/Program Data by ID

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

## Find a School/Program by Characteristic(s)

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

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| <b>Exceptions</b>          |   |
| <b>Potential Standards</b> | School Data<br>Program Data<br>School/Program Search Results<br>School/Program Data Application Programming Interface (API) |

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

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

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

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| <b>Potential Standards</b> | School Data<br>Program Data<br>School/Program Data Application Programming Interface (API) |
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### School/Program Data Includes Relationships to Other Schools/Programs and Universities

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

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

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

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| <b>Potential Standards</b> | School Data<br>Program Data<br>School/Program Data Application Programming Interface (API) |
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### A Specific Program is Offered by More Than One School/Program

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

### Data Provider Includes Alternate IDs for School or Program Data

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

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| <b>Exceptions</b>          |  |
| <b>Potential Standards</b> | School Data<br>Program Data<br>School/Program Data Application Programming Interface (API) |

### Data Consumer Retrieves School or Program Data Using an Alternate ID

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