

Use Cases

MedBiquitous Educational Trajectory Use Cases

Use Case Titles

1. [Learner extracts educational trajectory data](#)
2. [Graduate program director requests educational trajectory data](#)
3. [Researcher compiles and examines educational trajectory data looking for trends](#)
4. [Administrator sends educational trajectory data to a graduate program](#)

NOTE: The order of the use cases reflects their priority.

Key People and Systems (Actors)

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|----------------------------------|---|
| Learner | An individual engaged in academic study at an institution. |
| Administrator | Institution staff responsible for managing the transfer of student data to graduate/residency programs and researchers. |
| Local portfolio system | A local electronic portfolio system hosted and managed by an academic institution. |
| eFolio | A central electronic educational portfolio system. |
| Graduate Program Director | The individual who directs a program for post-graduate training in a clinical specialty (i.e. residency). |
| Graduate Program System | A system that manages data related to applications for admission to the graduate program. |
| Researcher | An individual who examines educational data looking for patterns or trends. |

Learner Extracts Educational Trajectory Data

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| ID | EDTR 3 |
| Title | Learner Extracts Educational Trajectory Data |
| Actors | Learner, Local portfolio system, eFolio system, Administrator |
| Trigger event | A Learner requests a copy of his educational trajectory data |
| Success end condition | The Learner has a copy of his educational trajectory data for personal use. The Learner may choose to send this data to a graduate program or import it into another system in the event of a transfer. |
| Assumptions | An eFolio system has access to the learner's educational trajectory data and is capable of transmitting the data. OR The Learner's school has a Local portfolio system that has educational trajectory data and is capable of exporting the data. |
| Description | The Learner logs into the eFolio system and views his data. The Learner selects an option to export educational trajectory data from the eFolio system. The eFolio system provides a data file for the Learner to download. OR The Learner sends the Administrator a request for a data copy of his Educational Trajectory Data. The Administrator extracts the appropriate data from the institution's Local portfolio system. The Administrator sends the data to the Learner. |
| Transaction | Downloading educational trajectory data. |
| Exceptions | The system cannot export the data for download. (data is unavailable, corrupted, etc). |
| Potential Standards | Educational Trajectory Data |
| Priority | HIGH |

Graduate Program Director Requests Educational Trajectory Data

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| ID | EDTR 2 |
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| Title | Graduate Program Director Requests Educational Trajectory Data |
| Actors | Learner, eFolio system, Graduate program system, Graduate Program Director |
| Trigger event | A Graduate Program Director requests educational trajectory data from a medical school for a Learner who is an applicant to the graduate program. |
| Sucess end condition | Educational trajectory data is transferred to the graduate program system and can be accessed by the Graduate Program Director. |
| Assumptions | An eFolio system has access to the learner's educational trajectory data and is capable of transmitting the data. The graduate program has a system capable of importing educational trajectory data and presenting it to the Graduate Program Director. |
| Description | The eFolio system receives the Graduate Program Director's request for the Learner's educational trajectory data. The eFolio system obtains authorization from the Learner to send the Learner's educational trajectory data to the graduate program. The Learner authorizes release of the educational trajectory data or a subset of educational trajectory data for transmission to the graduate program. The eFolio system initiates a transfer of the educational trajectory data or a subset of educational trajectory data to the graduate program. If local policies require, the eFolio system may transfer additional data that provides further context (comparative data, identification of data collected but not sent, etc.). The eFolio system releases the Learner's educational trajectory data and any additional data required to graduate program system. The graduate program system imports the educational trajectory data and associates it with the Learner's record/application at the graduate program. The Graduate Program Director can access the educational trajectory data and any additional data included in the message. |
| Transaction | Reporting educational trajectory data to a graduate program system. |
| Exceptions | The graduate program system cannot import the data. (improper format, person unknown, etc). |
| Potential Standards | Educational Trajectory Data |
| Priority | HIGH |

Researcher Compiles and Examines Educational Trajectory Data Looking for Trends

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| ID | EDTR 4 |
| Title | Researcher Compiles and Examines Educational Trajectory Data Looking for Trends |
| Actors | Researcher, Learner, Administrator, eFolio system |
| Trigger event | Researcher requests and receives permission to conduct research using de-identified educational trajectory data. |
| Sucess end condition | Researcher obtains the de-identified data necessary for research. |
| Assumptions | The schools involved store educational trajectory data and are capable of exporting the data. OR Educational Trajectory data from multiple schools are centrally collected. |
| Description | The Researcher specifies exactly what de-identified educational trajectory data she would like for her research and sends this information to the eFolio system. The eFolio system extracts the appropriate data from the institution's Local portfolio system and goes through any steps necessary to de-identify the data. The eFolio system sends the data to the Researcher. IF the Researcher is compiling data from multiple sources, the researcher repeats the process for each institution |
| Transaction | Delivering educational trajectory data to a researcher. |
| Exceptions | - |
| Potential Standards | Educational Trajectory Data |
| Priority | MEDIUM |

Administrator Sends Educational Trajectory Data to a Graduate Program

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| ID | EDTR 1 |
| Title | Administrator Sends Educational Trajectory Data to a Graduate Program |
| Actors | Learner, Administrator, eFolio system, Graduate program system, Graduate Program Director |
| Trigger event | A Learner requests that his educational trajectory data be transferred to a graduate program to which he has applied. |

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| Sucess end condition | Educational trajectory data is transferred to the graduate program system and can be accessed by the Graduate Program Director. |
| Assumptions | The Learner's school stores educational trajectory data and is capable of exporting the data. The graduate program has a system capable of importing educational trajectory data and presenting it to the Graduate Program Director. |
| Description | <p>The eFolio system receives the learner's request for transfer of educational trajectory data or a subset of educational trajectory data to the graduate program.</p> <p>The eFolio system transfers the educational trajectory data or a subset of educational trajectory data to the graduate program system. If local policies require, the eFolio system may transfer additional data that provides further context (comparative data, identification of data collected but not sent, etc.).</p> <p>The graduate program system imports the educational trajectory data and associates it with the Learner's record/application at the graduate program. The Graduate Program Director can access the educational trajectory data and any additional data included in the message.</p> |
| Transaction | Reporting educational trajectory data to a graduate program system. |
| Exceptions | The graduate program system cannot import the data. (improper format, person unknown, etc). |
| Potential Standards | Educational Trajectory Data |
| Priority | LOW |