

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)

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

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

ID	EDTR 2
-----------	--------

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

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

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.

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	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. 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.). 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	LOW