**USE CASE: Patient Reviews Allergy List in the PHR and Adds a Reaction**

## **Description**

The purpose of this use case is to describe the review of an allergy list in a Patient Health Record by a patient

Conditions

The patient is part of a large integrated medical system with an electronic health care record and a tethered personal health record system allowing patients to view their own data from the electronic health record. The personal health record also has the capability of allowing patients to add their own data including weights, records of prescription and over-the-counter medications as well as other symptoms and health observations. Uploads of data from the PHR do not occur unless the patient has a scheduled visit with a health care provider within the medical system.

Exclusions

Patient entered data is not uploaded into the EHR unless permission is provided by the patient.

Preconditions

Individual has had previous primary care physician who has created a list of allergies and intolerances that is part of the individual’s medical record and is now a part of the information provided in the personal health record.

Use Case Sequence of Steps

1. List of allergies and intolerances is downloaded into the patient’s PHR following the last visit to the PCP.
2. The patient logs into the PHR and views the list of allergies and intolerances as well as the current list of prescription medications and a history of laboratory tests.
3. Several weeks later the patient eats several cashews at a party. The patient notices about 10 minutes after eating the cashews, he has symptoms of an allergic reaction including mild hives and itching. The patient has not noticed a reaction to cashews in the past.
4. Upon returning home the patient adds the details of the reaction to the cashews to his PHR in the consumer health summary section.
5. Prior to visiting the PCP for an annual physical, the patient releases the data added to the PHR to be viewed by the PCP.
6. During the visit to the PCP a further review of the symptoms related to the ingestion of cashews confirms an allergy to cashews.
7. The PCP adds the allergy to cashews to the allergy list in the EHR.
8. When the patient returns home and logs into the PHR, the allergy to cashews is now included on the allergy list.

Post Condition

Reconciled list of allergy and intolerances is part of patient electronic health record and personal health record.

Use Case Scenario

Adam Everyman is a 36 year old male who participates in a large integrated health care practice. As a service to patients, the personal health record, available through the health care practice portal provides Adam with the ability to review a copy of his electronic health record. The PHR also allows Adam to add data, text or images and can release the information he enters to any of the providers within the health care system on demand.

Adam is invited to a cocktail party where he eats several cashews. Several minutes after eating the nuts, Adam notices that he has an itchy mouth, hives, and feels like vomiting.  The host gives Adam some Benadryl and the hives disappear. By the following morning the symptoms have subsided.

Adam logs into his PHR and notes in the allergy section, his symptoms related to eating the cashews. He also notes the onset and duration of symptoms and notes that he has not had any previous symptoms related to cashews, although he rarely eats them.

One month later, Adam has an appointment with his PCP. Prior to this visit, Adam allows the data he has entered into his PHR to be uploaded so that the PCP can see the data entered since the last visit. The PCP reviews the information provided by Adam in the PHR and asks Adam additional questions about his symptoms related to the episode as well as his history of any other food allergies. Following the review, the PCP concurs that Adam does have an allergy to cashews. The PCP documents an allergy to cashews as a new condition on Adam’s allergy list and advises Adam to not eat cashews in the future. When Adam logs into his PHR the following week, he finds that cashews now appear on his list of allergies and intolerances.