

Safety Enhanced Design Brief

Medication Allergy Lists

The allergy list contains drug allergies and adverse reactions. An accurate allergy list is a safety net that can prevent allergic reactions that range from minor to fatal.

Design challenges include providing a quick overview, providing details on demand, displaying allergy information at the point it is needed, and making it easy to change the list.

1 Design allergy lists to support key user tasks including

- Quickly determining whether a patient has any known allergies
- Exploring details about an allergy, such as its severity, when it occurred, and how certain we are about it
- Quickly and easily entering that a patient has no known medication allergies
- Quickly and easily changing the list
- Glancing at the list while ordering a new medication

2 To make it easy to see if a patient has allergies, provide a short list of allergies in a location that is always visible when adding new medication orders / prescriptions, such as in ordering / renewing screens, or in the patient banner:

Jeffrey Belden, MD / All Patients

David Lee
22 Feb 1949 Male

Intake Medication List Timeline

Severe items are bold

Show more details with tool tip: drug names (and reaction) e.g. sulfa (Stevens-Johnson syndrome)

Number of items not visible (total number would be second best). Click to see all.

Penicillin, sulfa, codeine, 5 more

Medication	Dose	Frequency	Quantity	Refills	Condition	Provide		
albuterol HFA	4 puffs	prn		12	Asthma	Belden MD	12 Jan 2010	22 Nov 2013
aspirin	81 mg	1/d			Diabetes	OTC		
beclomethasone HFA	2 puffs	1/d prn		12	Asthma	Belden MD	19 Feb 2011	19 Sep 2013
carvedilol	25 mg	1/d	180	3	Hypertension	Belden MD	12 Jul 2010	20 Feb 2014
chlorthalidone	25 mg	1/d	90	2	High BP	Belden MD	19 Sep 2006	19 Sep 2013
citalopram	20 mg	1/d	90	4	Depression	Shoyinka MD	23 Nov 2009	22 Nov 2013

codeine(nausea), Imitrex, Latex(rash), Levaquin (tendonitis), Lisinopril, peanuts(rash), penicillin (anaphylaxis), Sulfa (Stevens-Johnson syndrome)

3 To support detailed decision making use a detailed table view that visually highlights the most important information and shows further details on demand:

Jeffrey Belden, MD / All Patients

David Lee
22 Feb 1949 Male

Intake Medication List Timeline Allergies Medication Reconciliation eRx

Allergy	Reaction	Category	Severity
codeine	nausea	side effect	mild
Imitrex	contraindicated due to patient's coronary disease	allergy	mild
Latex	rash, swollen lips	allergy	moderate
Levaquin	tendonitis	side effect	moderate
Lisinopril	--	allergy	moderate
peanuts	itching, rash	allergy	moderate
penicillin	anaphylaxis	allergy	severe
onset	status	comments	
Sept 1994	active	99.9% certainty of severity of this allergy and the danger it poses to the patient due to an encounter with the drug in a hospital setting.	
information source			
Jeff Belden, MD			
Sulfa	Stevens Johnsons syndrome	side effect	severe

Cancel Remove Save changes

4 To make the list easy to maintain, make adding and revising entries simple with a clear visual flow and most information optional:

Intake Medication List Timeline Allergies Medication Reconciliation eRx

Add Allergy

substance *

What is the patient allergic to?

reaction *

How did the patient react?

category *

Allergy, side effect, patient complaint

How severe was the reaction? *

Mild Moderate Severe

information source

What is your name or the name of physician?

onset

When was the allergy first noticed?

comments

Add any additional notes

Cancel Save and add another Add