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.

Robert Martin

Add Orders

albuterol HFA

beclomethasone HFA 2 pulls, 1/d pm, 12

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:

Jeffery Belden, MD / All Patie				Intake	Medication List	Timeline	vere items a	number w	items not visible (tot ould be second best) e all.
				na	ow more details with mes (and reaction) evens-Johnson synd	e.g. sulfa	codeine(: Penicillin, sul	lfa, codeine, 5 mor
Medication *	Dose	Frequency	Quantity	Refills	Condition -	Provide		s), Lisinopril, peanut xis), Sulfa (Stevens-	
albuterol HFA	4 puffs	prn		12	Asthma	Belder	MD	12 Jan 2010	22 Nov 2013
aspirin	81 mg	1/d			Diabetes	OTC			
beclomethasone HFA	2 puffs	1/d prn		12	Asthma	Belder	MD	19 Feb 2011	19 Sep 2013
carvedilol	25 mg	1/d	180	3	Hypertension	Belder	MD	12 Jul 2010	20 Feb 2014
chlorthalidone	25 mg	1/d	90	2	High BP	Belder	MD	19 Sep 2006	19 Sep 2013
citalopram	20 mg	1 /d	90	4	Depression	Shoyin	ka MD	23 Nov 2009	22 Nov 2013

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

David Lee 22 Feb 1949 Male	•			Intake	Medication List	Timeline	Allergies	Medication	Reconciliation	eRx	4
Allergy -		Reaction				Category	•	Sev	verity 👻		
codeine		nausea				side effe	ect	m	ild		,
Imitrex		contraindi disease	cated due	to patie	nt ës coronary	allergy		m	ild		
Latex		rash, swol	en lips			allergy		m	oderate		
Levaquin		tendonitis				side eff	ect	m	oderate		
Lisinopril						allergy		m	oderate		
peanuts		itching, ras	sh			allergy		m	oderate		
penicillin		anaphylax	s			allergy		- Se	vere		
onset	sta	tus		comn	nents						
Sept 1994	ac	tive	•	99.99	% certainty of sev	erity of this	alergy and	d the danger	it poses to th	е	
nformation source				patie	nt due to an enco	ounter with t	he drug in	a hospital s	etting.		
Jeff Belden, MD											
								Cancel	Remove	Save chan	ges
Sulfa		Stevens Jo	hnsons syn	drome		side effe	ect	se	vere		

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

Add Allergy subtance * What is the patient allergic to? reactor * How did the patient react? adjoy.* Allergy, side effect, patient complaint How severe was the reaction? * Mid Moderato Severe What is your name or the name of physician? ocitient When was the allergy first noticed? Add any additional notes		Intake	Medication List	Timeline	Allergi
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