

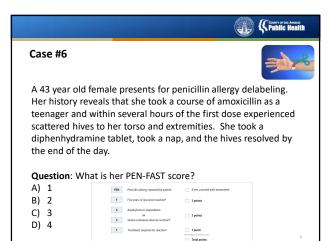


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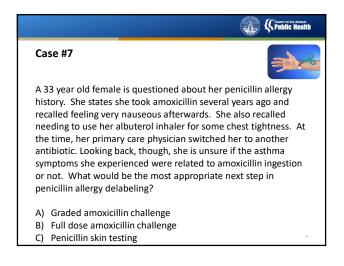
Key Points from "Penicillin Allergy Delabeling: An Antibiotic Stewardship Initiative"

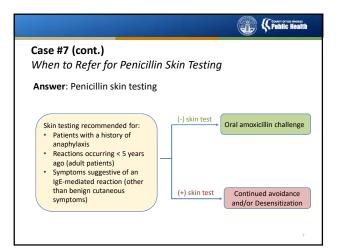


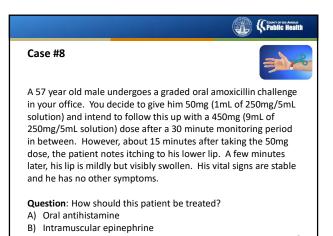
- 10-20% of the US population reports a penicillin allergy, but >90% are not allergic
- True penicillin-associated anaphylaxis is very rare
- Reasons for inaccurate penicillin allergy labels:
- Mislabeling of adverse effects
- Initial misdiagnosis (viral exanthem)
- Waning sensitivity (every year, ~10% of patients lose their penicillin sensitivity)



		Court of Los Assess Public Health
<b>Case #6 (cont.)</b> Utilization of PEN-FAST	[	
Answer: 1 (Treatment required)	PEN Penicillin allergy reported by patient F Five years or less since reaction <sup>1</sup>	<ul> <li>If yes, proceed with assessment</li> <li>2 points</li> </ul>
<ul> <li>Internationally validated clinical decision rule for adult</li> </ul>	A Anaphylaxis or angioedema on S Severe cutaneous adverse reaction <sup>th</sup>	2 points
<ul> <li>patients</li> <li>Score &lt;3 associated with low</li> </ul>	T Treatment required for reaction <sup>3</sup>	1 point     Total points
<ul> <li>risk of true penicillin allergy (negative predictive value of 96.3%)</li> <li>Also validated in special populations (pregnancy, emergency department, intensive care unit)</li> </ul>	Interpretation           From	



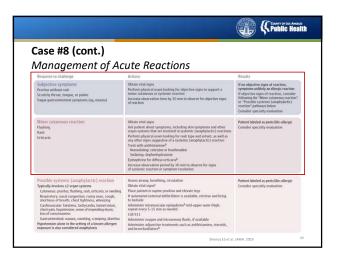


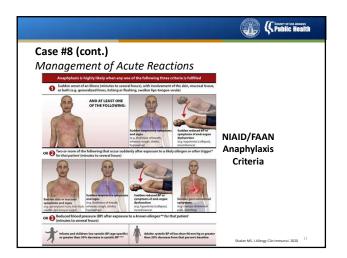


Public Health Case #8 (cont.) Management of Acute Reactions Answer: Oral antihistamine (for presumed allergic angioedema) Adult d • Most reactions consist either <19 kg: 0,1 mg 10-25 kg: 0,15 i 30 mg of subjective symptoms or minor cutaneous reactions 1 to 2 mg/kg/dose (M 25-50 mg Standby medications: 10-20 ma Intramuscular and/or 2 to 5 years: 2.5-Children 28 year intranasal epinephrine Oral antihistamine (2<sup>nd</sup> 2 to 11 years: 90-300 m generation non-sedating 20-60 mg 2 ma/kg preferred) Inhaled/nebulized bronchodilator H2 blocker

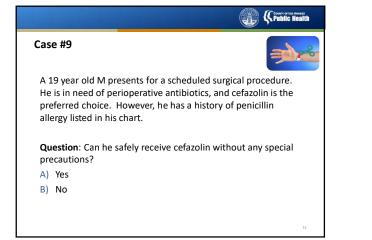
Steroids (oral and/or parenteral)

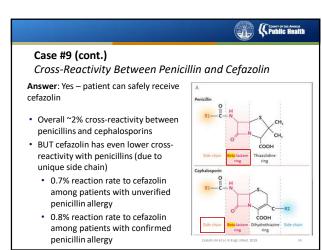
2.5-5 mg every 20 minutes for

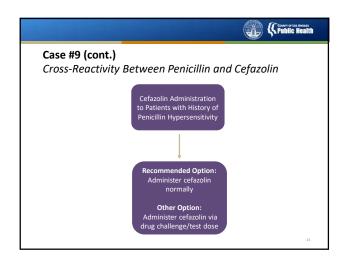


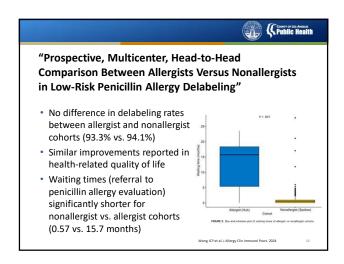


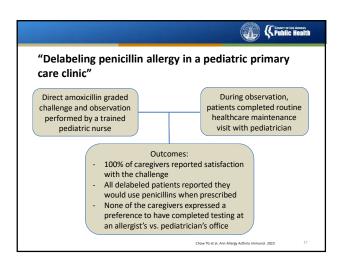
	Court or Los Averus Public Health
Case #8 (cont.)	
Management of Acute React	tions
Severe reactions are extreme	ely rare
<ul> <li>Meta-analysis of 56 studie challenges showed that se 5 of 9225 patients (0.05%)</li> </ul>	evere reactions occurred in only
	Blumenthal KG et a. JAMA Intern Med. 2024 12

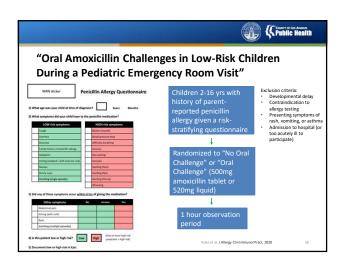


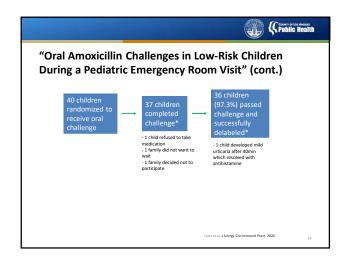










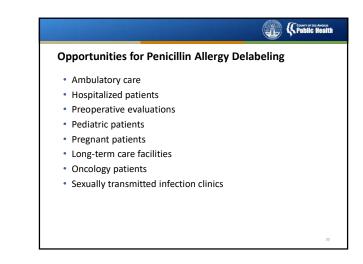


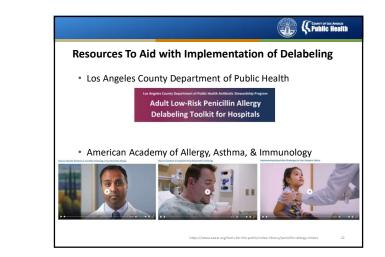
Inappropriate penicillin allergy labels pose a significant public

· Delabeling can be performed by trained nurses, pharmacists,

Direct amoxicillin challenges are safe and effective for low risk

advanced practice providers, and non-allergist physicians





## CPublic Health

Countries Los Anders Public Health

## References

Summary

patients

health concern

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