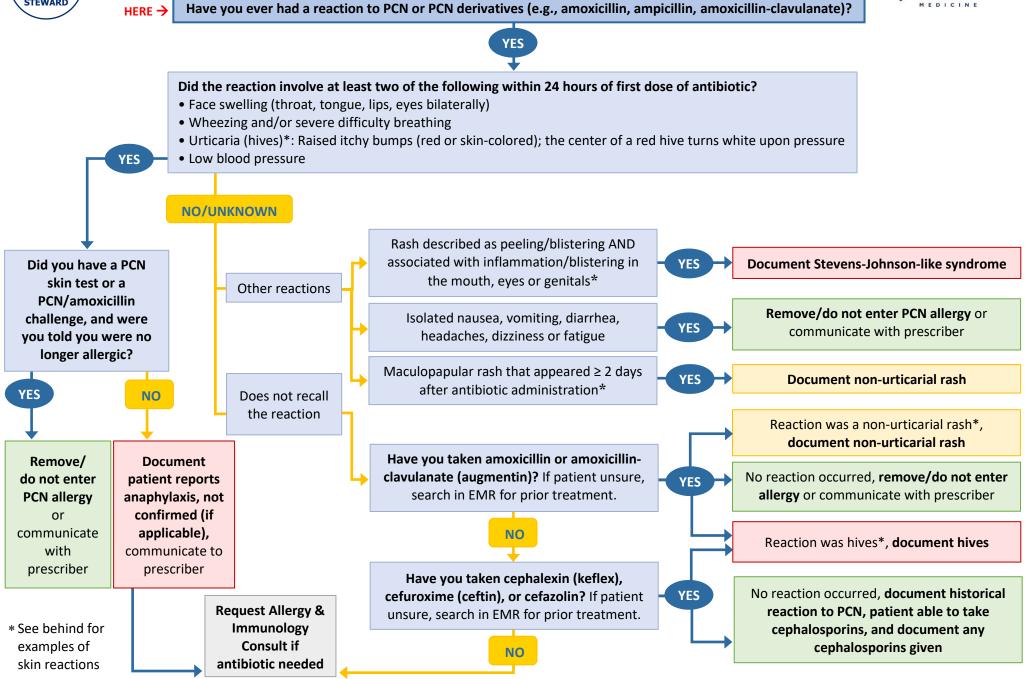


START

Does My Patient Have a Penicillin (PCN) Allergy?

Developed by The Johns Hopkins Hospital Department of Antimicrobial Stewardship





β-lactams (most common)

PENICILLINS

Oral:

- 1. Dicloxacillin
- 2. Penicillin

Intravenous:

- 3. Nafcillin
- 4. Oxacillin
- 5. Penicillin
- 6. Piperacillin-tazobactam

AMINOPENICILLINS

Oral:

- 1. Amoxicillin
- 2. Amoxicillin-clavulanate

Intravenous:

- 3. Ampicillin
- 4. Ampicillin-sulbactam

CEPHALOSPORINS

Oral:

- 1. Cefaclor
- 2. Cefadroxil
- 3. Cefdinir
- 4. Cefpodoxime
- 5. Cephalexin

Intravenous:

- 6. Cefazolin
- 7. Cefepime
- 8. Cefotaxime
- 9. Cefotetan
- 10. Cefoxitin
- 11. Ceftaroline
- 12. Ceftazidime. Ceftaz-avibactam
- 13. Ceftolozane-tazobactam
- 14. Ceftriaxone

CARBAPENEMS

Intravenous:

- 1. Ertapenem
- 2. Imipenem
- 3. Meropenem

MOST COMMON SEVERE REACTIONS INVOLVING THE SKIN*

Anaphylaxis



- Bilateral facial swelling
- Wheezing and/or severe difficulty breathing
- Hives
- Occurs within 6 hours of antibiotic administration

Urticaria (hives)



- Itchy, red bumps with white centers (look like new mosquito bites)
- Appears within 6 hours of antibiotic administration
- Bumps disappear after a few hours and new ones may appear

Exfoliative dermatitis



- Skin peeling or blistering with mucosal (eyes, mouth, genital) involvement
- Develops after several days of antibiotics
- Examples: Stevens-Johnson syndrome, TEN
- Requires hospitalization

Erythema multiforme



- Rings containing a "bull's-eye"
- Appears after 2—3 days of antibiotic administration

<u>Drug rash eosinophilia and</u> <u>systemic symptoms (DRESS</u> <u>syndrome)</u>

- Fever, rash
- Eosinophilia, liver or kidney involvement
- Occurs 2—6 weeks after exposure

NON-SEVERE SKIN REACTION

Non-urticarial maculopapular rash



- Tiny red dots covering a large area of the body, may feel rough to the touch
- Appears after 2—3 days of antibiotic administration
- Can be treated through, does not contraindicate future antibiotic use
- May not recur with future drug administration

^{*}The patient might report other less common skin reactions. Please document as much detail as possible.