Penicillin Allergy SHACK (Survey of Hospital and Community Knowledge) Study Questionnaire

1) What is your current role?
   - Non-Hospital Doctor
   - Hospital Doctor - Junior medical staff
   - Hospital Doctor - Senior medical staff
   - Pharmacist
   - Nurse

2) What is your specialty?
   - Infectious diseases
   - Immunology
   - Internal Medicine
   - Surgery
   - Emergency
   - Anaesthetics
   - ICU
   - General Practice
   - Pharmacist
   - Other: (please specify) _________________________

3) Which patient population best describes your clinic practice?
   - Adult
   - Paediatric
   - Adult and paediatric

4) In which clinic setting do you primarily practice?
   - Metropolitan
   - Rural
   - Remote

5) If you work in a hospital, what level service is provided?
   - Primary
   - Secondary
   - Tertiary

6) How many years have you been practicing?
   - <1 year
   - 1-5 years
   - 5-10 years
   - >10 years
| Question                                                                 | Options                                                                 |
|------------------------------------------------------------------------|------------------------------------------------------------------------|
| 7) Have you received education (how to diagnose, manage and/or follow up) on antibiotic allergies? | - As a university student  
- Self-directed learning  
- Work based training  
- Online training  
- Postgraduate lecture  
- Other  
- Not Applicable |
| 8) If you have received education on antibiotic allergy, how long ago was your most recent education on antibiotic allergies? | - <1 year ago  
- 1-5 years ago  
- > 5 years ago |
| 9) How many patients do you see on average each week?                   | - 0-10  
- 11-20  
- 21-40  
- 41-60  
- 61-80  
- >80 |
| 10) Roughly what percentage of your patients do you encounter each week with a penicillin allergy | - 0-2%  
- 3-5%  
- 6-10%  
- 11-20%  
- >20% |
| 11) How often do you assess medication allergies in a patient?          | - Always  
- Most of the time  
- Sometimes  
- Rarely  
- Never |
| 12) In patients with antibiotic allergies, do you review previously administered antibiotics in the medical record (if information is available)? | - Always  
- Most of the time  
- Sometimes  
- Rarely  
- Never |
| Question                                                                 | Options                  |
|------------------------------------------------------------------------|--------------------------|
| 13) How likely are you to refer a patient with an antibiotic allergy to an allergist to further investigate and manage the allergy? | Always, Most of the time, Sometimes, Rarely, Never |
| 14) Would you give adrenaline for a presumed adverse reaction to antibiotics if a patient has one or more of the following symptoms? | Cardiovascular compromise, Wheeze, Stridor, Persistent cough, Tongue swelling, Hoarse voice, Urticaria, Rash, Angloedema, Swollen lips, Vomiting, Tingling in mouth and throat, Itch |
| 15) Would you suggest that a patient with self-reported allergy to an antibiotic should wear medical identification jewellery? | I don’t know, Yes, No |
| 16) Would you prescribe an adrenaline autoinjector for a patient with an anaphylaxis to antibiotics? | I don’t know, Yes, No |
| 17) What is the approximate rate of allergic cross reactivity between penicillin and cephalosporin antibiotics? | I don’t know, No cross reactivity, <5%, 5-10%, 10-20%, 30-50% |
| 18) Can you safely administer carbapenem                                  | I don’t know              |

SHACK Study Questionnaire
| Question                                                                 | Options                                                                 |
|------------------------------------------------------------------------|------------------------------------------------------------------------|
| antibiotics to patients with confirmed penicillin allergy              | □ Never  
□ Always  
□ With caution |
| **19) What is the cross reactivity between macrolide antibiotics and penicillins?** | □ I don’t know  
□ No cross reactivity  
□ < 5%  
□ 5-10%  
□ 10-20%  
□ 30-50% |
| **20) Which test would be considered as the best test to confirm antibiotic allergies?** | □ I don’t know  
□ Skin prick testing  
□ Intradermal testing  
□ Oral or I.V. challenge  
□ Basophil activation testing  
□ Specific IgE |
| **21) Should penicillin be avoided if the patient reports a family history of penicillin allergy but does not know his/her own status?** | □ I don’t know  
□ Yes  
□ No |
| **22) What percentage of patients with a self/parent (If paediatrics) reported history of penicillin allergy will actually tolerate penicillin antibiotics?** | □ I don’t know  
□ 0-10%  
□ 20%  
□ 50%  
□ 90% |
| **23) Does allergy to penicillin resolve (or wane) over time, or as the patient ages?** | □ I don’t know  
□ Yes  
□ No |
| **24) For what reactions would you suggest a referral for skin prick or intradermal allergy testing?** | □ I don’t know  
□ Immediate hypersensitivity reactions only  
□ Delayed hypersensitivity reaction only  
□ All reactions |
| Question | Options |
|----------|---------|
| a) The name of the medication? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| b) When the reaction occurred (i.e. the date)? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| c) At what point during the period of treatment did the reaction occur? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| d) What was the nature of the reaction? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| e) What treatment did the patient receive for the reaction? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| f) What were the concurrent illnesses at the time of the reaction? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| g) Where were any other medications being taken at the time of the reaction? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| h) Did the patient avoid this antibiotic subsequently? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| i) Did the patient take other antibiotics subsequently? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |
| j) Has the patient had a similar reaction subsequently with/without antibiotic use? | a) Always b) Most of the time c) Sometimes d) Rarely e) Never |