

Programme Name

## **National Pharmacy Residency Year 1 (R1) Programme**

Introduction / Purpose

National Pharmacy Residency Year 1 (R1) Programme is designed to train pharmacists in a systematic fashion to achieve professional and clinical competence in the delivery of patient-centred care services. Residents will be prepared to provide high quality pharmaceutical care as clinical pharmacists and/or continue into Residency Year 2 (R2) pharmacy residency training for the purpose of specialist accreditation.

Programme Overview

- Competencies / Standards

National Pharmacy Residency Year 1 (R1) Programme is a 12-month programme. It adheres to the *MOH National Pharmacy Residency Accreditation Standards*.

This Training Standard consists of training requirements in 4 competency areas, namely Patient Care (PC), Advancing Practice and Improving Patient Care (AP), Leadership and Management (LM) and Teaching, Education, and Dissemination of Knowledge (TE).

The Nine Educational Standards that the resident will achieve at the end of the residency are as follows:

### **Competency Area: Patient Care (PC)**

Standard PC1: In collaboration with the health care team, provide comprehensive medication management to a diverse range of patients including those with multiple co-morbidities, highrisk medication regimens, and multiple medications, following a consistent patient care process.

Standard PC2: Ensure continuity of care during patient transitions between care settings.

Standard PC3: Manage and facilitate delivery of medications to support safe and effective drug therapy for patients

### **Competency Area: Advancing Practice and Improving Patient Care (AP)**

Standard AP1: Demonstrate ability to manage formulary and medication-use processes.

Standard AP2: Demonstrate ability to conduct a quality improvement or research project.

### **Competency Area: Leadership and Management (LM)**

Standard LM1: Demonstrate leadership skills for successful self-development in the provision of patient care.

Standard LM2: Demonstrate management skills in the provision of care.

### **Competency Area: Teaching, Education, and Dissemination of Knowledge (TE)**

Standard TE1: Provide effective medication and practice-related education to patients, caregivers, health care professionals, students, and the public (individuals and groups).

Standard TE2: Effectively employ appropriate preceptor roles when engaged in teaching students, pharmacy technicians, or fellow health care professionals.

### Programme Structure

| Residency Programme Structure                                  |                                  |                 |
|--|----------------------------------|-----------------|
| No.  | Rotation                         | Duration        |
| <b>Required Core</b>   |                                  |                 |
| 1  | Orientation                      | 2 weeks         |
| 2  | Infectious Diseases              | 6 weeks         |
| 3  | General Medicine                 | 6 weeks         |
| 4  | Critical Care                    | 6 weeks         |
| 5  | Ambulatory Care                  | 6 weeks         |
| 6  | Medication Safety & Informatics  | 4 weeks         |
| 7  | Practice Management & Leadership | 4 weeks         |
| 8  | Research                         | Longitudinal    |
| 9  | NUS Teaching Certificate Program | Longitudinal    |
|  | <b>Subtotal</b>                  | <b>34 weeks</b> |
| <b>Selected Core (to choose 1 out of 2)</b>                    |                                  |                 |
| 1  | Cardiology (NUH, TTSH, KTPH)     | 5 weeks         |
| 2  | Renal Medicine (SGH, TTSH)       | 5 weeks         |
|  | <b>Subtotal</b>                  | <b>5 weeks</b>  |
| <b>Electives (choose any 3 out of the following rotations)</b> |                                  |                 |
| 1  | Geriatric Medicine (TTSH, CGH)   | 4 weeks         |
| 2  | Haematology (SGH)                | 4 weeks         |
| 3  | Haematology-Oncology (NUH)       | 4 weeks         |
| 4  | Neurology (SGH)                  | 4 weeks         |
| 5  | Nutrition (SGH, TTSH)            | 4 weeks         |
| 6  | Paediatrics (NUH, KKH)           | 4 weeks         |
|  | <b>Subtotal</b>                  | <b>12 weeks</b> |
|  | <b>Research project week</b>     | <b>1 week</b>   |
|  | <b>Total</b>                     | <b>52 weeks</b> |

### Delivery Methods

- Clinical review / rounds / ambulatory clinics
- Discussion
- Oral presentation
- Teaching and Education
- Personal and Professional Development
- Research

#### Evaluation

- Formative assessment of each learning experience
- Summative assessment of each learning experience

#### Exit Requirements

All Residents are required to complete the 12-month programme according to the PSAB-accredited curriculum.

- a. Meet all R1 Residency requirements including making sufficient progress towards all the required goals and objectives as evidenced by either satisfactory progress or achieved being marked for all goals.
- b. Satisfactory completion of all learning experiences as evidenced by all required work assigned being completed to the satisfaction of preceptors.
- c. Completion of residency major project with a manuscript that is approved by the project supervisor and APD/RPD.
- d. Compliance with institutional and departmental policies.

#### Training Sites:

National University Hospital  
Singapore General Hospital  
Tan Tock Seng Hospital