

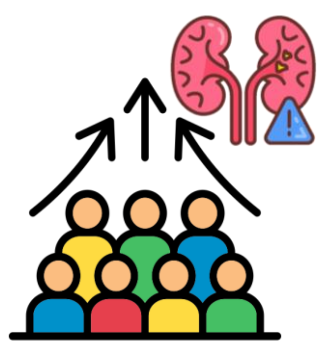


# THE NEED FOR NKF'S PERITONEAL DIALYSIS (PD) IN-TRAINING SUPPORT: A SURVEY OF HOSPITAL-RUN PD PROGRAMS

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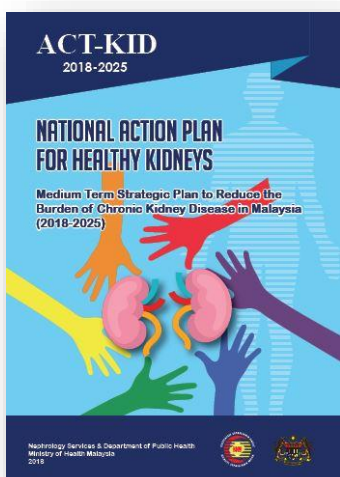
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## INTRODUCTION



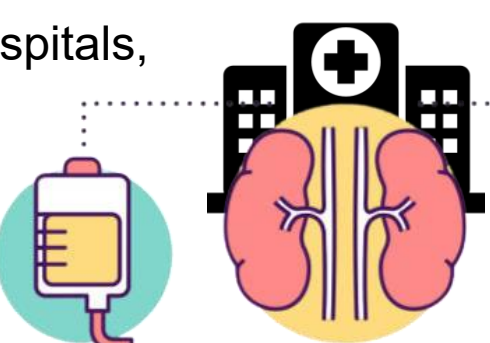
- Over **53,000** Malaysians are living with end-stage renal disease (ESRD).<sup>1</sup>
- ACT-KID 2018–2025 emphasizes expanding home-based dialysis, particularly **peritoneal dialysis (PD)**.<sup>2</sup>

- Historically, PD has started in Malaysia in the 1980s and has grown from 13% of all kidney replacement therapy in 2013 to 18.2% in 2022. Home dialysis patients also increased, reaching 11.8% in 2023.<sup>1</sup>

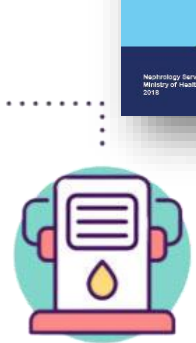


- In public hospitals,

New PD patients  
↑↑ **18.6%**<sup>1</sup>



New HD patients  
↓↓ **9.3%**<sup>1</sup>

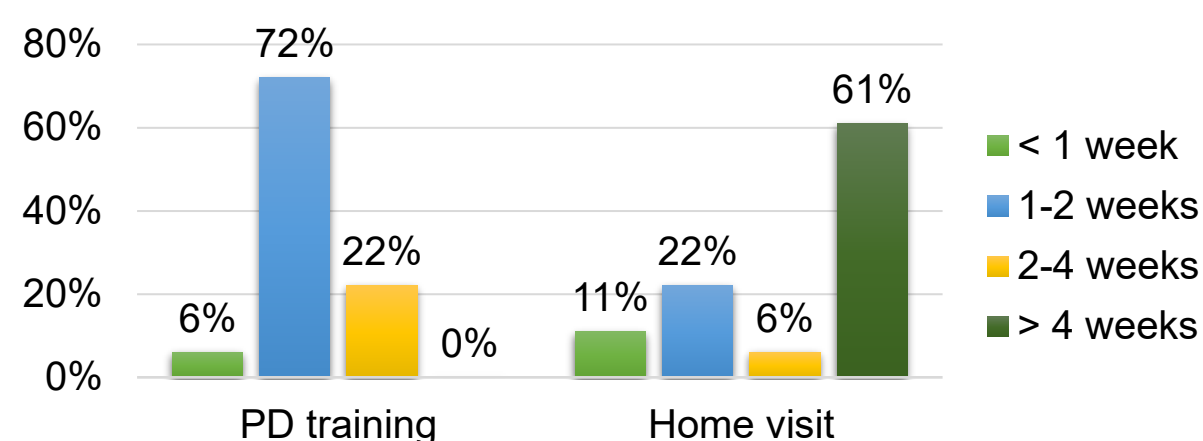


- PD currently remains almost entirely public-sector driven, with the private sector managing only 0.1% of patients.<sup>1</sup>
- Rising demand has strained hospital manpower, prompting the National Kidney Foundation (NKF) to establish **Malaysia's first PD Training Centre in July 2023**, offering free patient training and home visits.



## RESULT

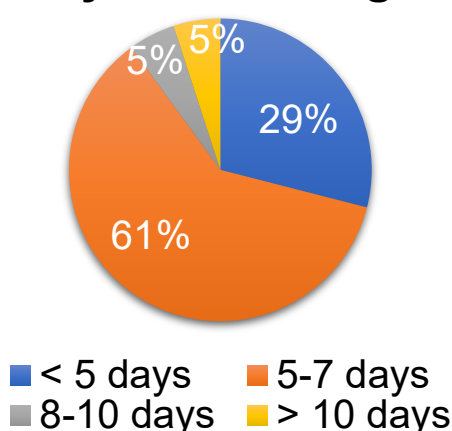
### 1. Waiting time



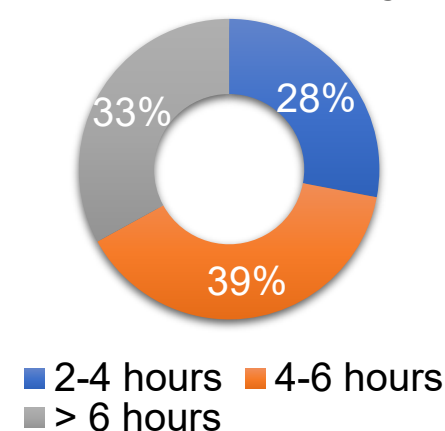
- Most respondents reported 1-2 weeks waiting times for PD training & **prolonged delays for home visits (> 4 weeks)**.

### 2. Training duration

#### Days of Training



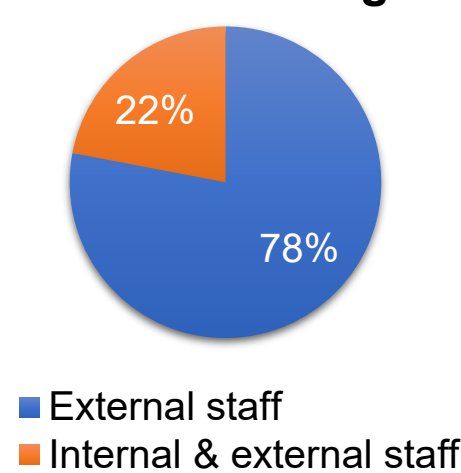
#### Hours Spent/day



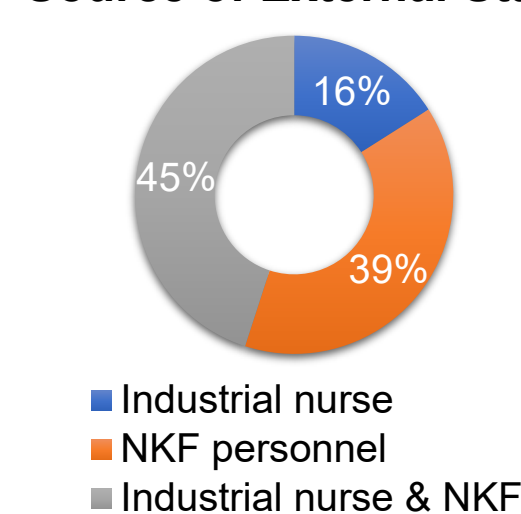
- Training was **time-consuming**, with most respondents completing it in 5–7 days, & more than one-third spending 4–6 hours per day in sessions.

### 3. Home visit arrangements

#### Person-in-charge

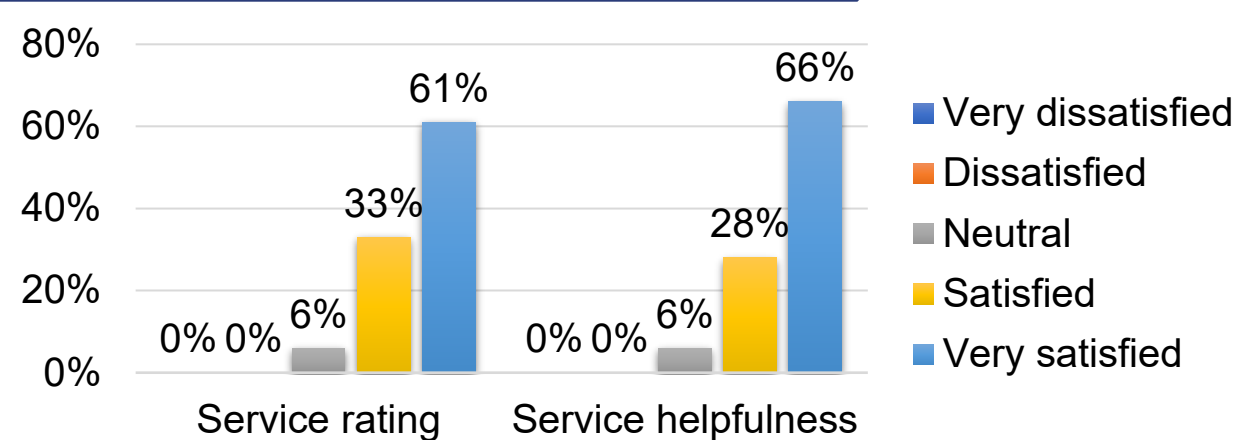


#### Source of External Staff



- Home visits were **mostly conducted by external staff**, primarily **NKF personnel**, mainly due to **manpower & time constraints** (i.e., 18 & 11 responses, respectively).
- NKF conducted 21 trainings, 12 retrainings & 65 home visits, **saving an estimated 77.1 staff-days** (592.6 hours) – equivalent to over 74 full 8-hour working days.

### 4. NKF service satisfaction & feedback



- Most respondents were **satisfied** with NKF PD training services, found them **helpful** & recommended expanding NKF PD centers (34%) or introducing online booking (11%).

## OBJECTIVE

- To assess the **need** for NKF's PD training support for government hospital PD programs.
- To assess **feedback** on NKF's PD training services.
- To assess the operational impact of NKF's PD training support for government hospital PD programs services.

## METHODOLOGY

A cross-sectional study using a **structured questionnaire**



among **18 government hospital PD nurses**, mostly had 1-5 years (50%) & over 5 years (44%) of experience

- Waiting time** – for PD training & home visits
- Training duration** – days & hours
- Home visit arrangements** – Involvement of external staff
- NKF service satisfaction & feedback**

## CONCLUSION

There is a clear need for external PD training support in government hospitals. NKF's PD services were well-received & effective in reducing staff burden. Strengthening collaboration with NKF may enhance PD service delivery nationwide.

## REFERENCES

- Hooi LS and Ong LM (Eds). 2025. Thirty-first Report of the Malaysian Dialysis and Transplant 2023, Kuala Lumpur.
- Ministry of Health Malaysia. 2018. National Action Plan for Healthy Kidneys (ACT-KID) 2018-2025.



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