



Nurse-led Intravitreal Injection (IVT) Team

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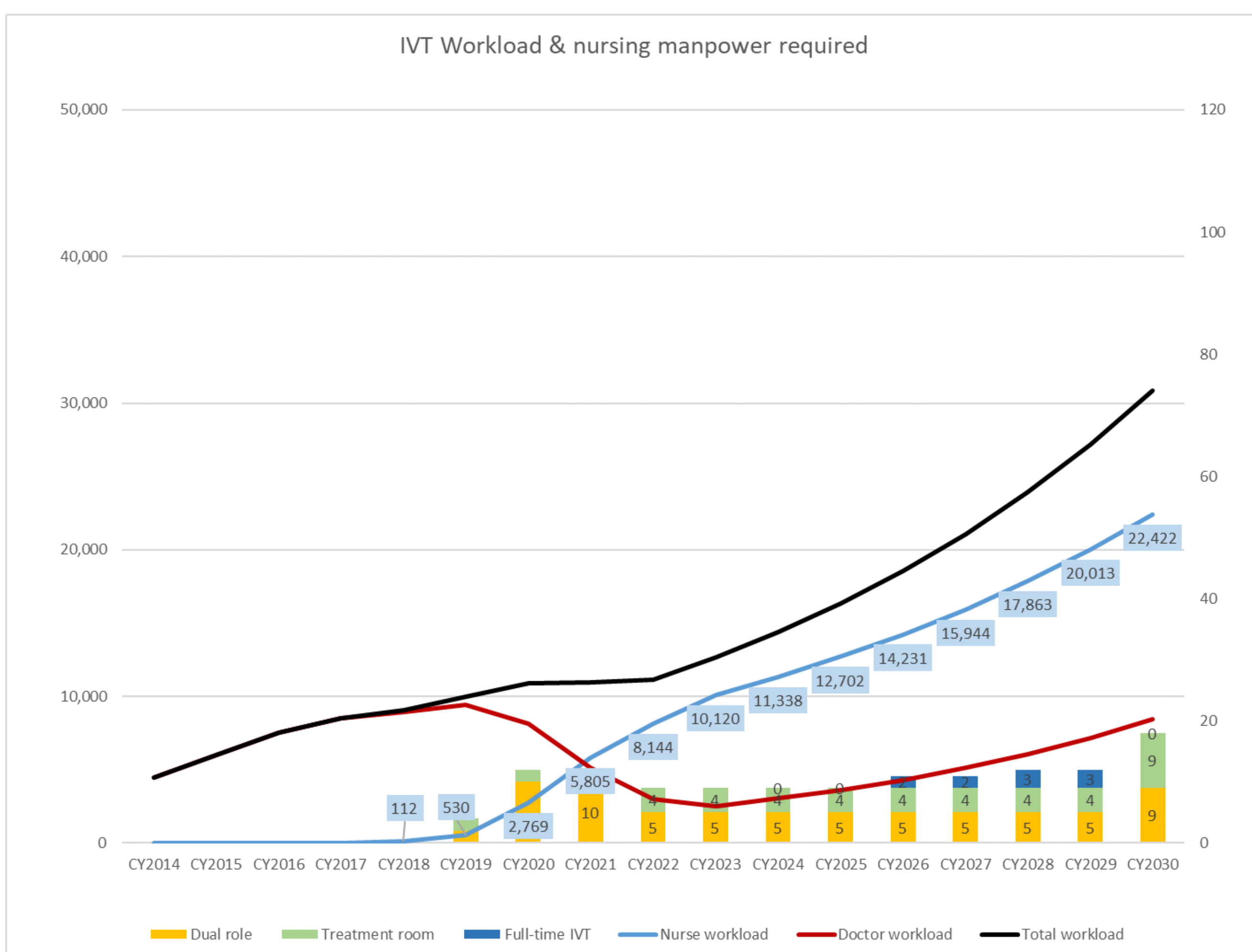
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Who is the nurse-led IVT team?

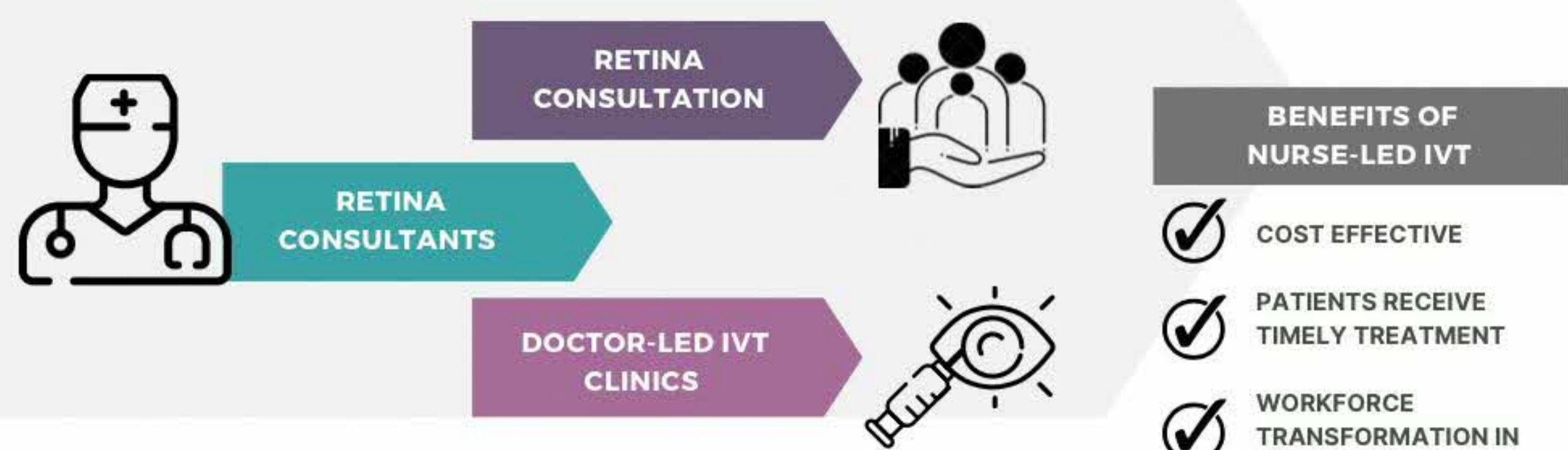
- A team of 10 accredited nurses who could administer intravitreal (IVT) injections to the eyes of our patients, form the nurse-led IVT team in TTSH Eye Centre and Clinic 1A.

Workforce Transformation of nurse-led IVT team

- The demand of IVT injections continually increases over the years and the number of doctors was not growing at the same rate as the number of injections required.
- Annual compounded growth rate, from CY2014 to CY2022 is 12.04.
- Total IVT workload in CY2022 is 11,136.



DOCTOR -LED IVT (TRADITIONALLY)



NURSE-LED IVT (CURRENTLY)

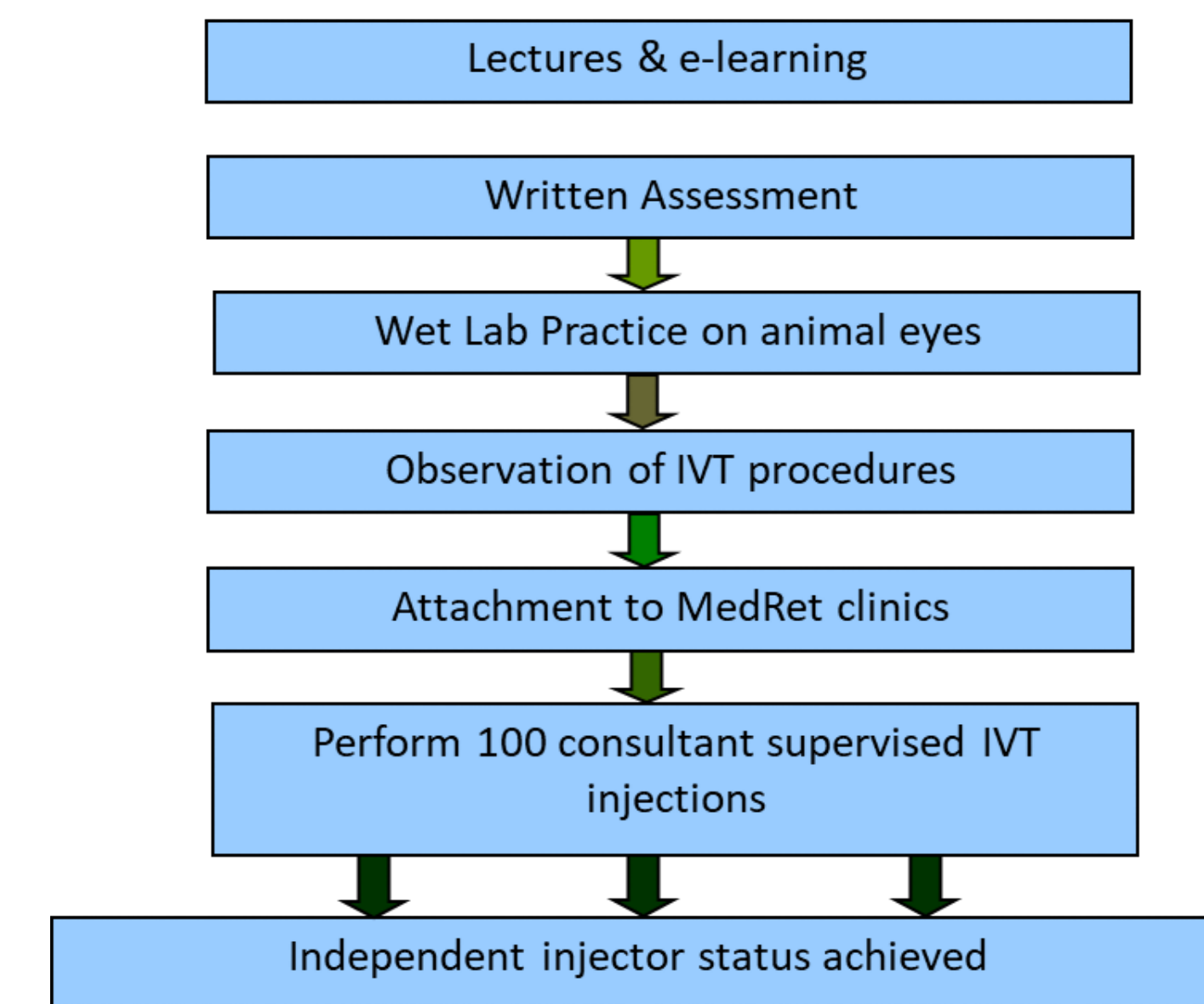


Upskilling our Ophthalmic nurses Selection criteria include:

- registered nurse who assisted intravitreal injection clinic with at least 2 years of working experience in eye clinic
- completed either the hospital's Ophthalmic Nursing Course or obtain an Advanced Diploma in Nursing (Ophthalmic) and
- successfully pass the written IVT modules exam. The selected registered nurse would need to undergo a 3-month rigorous training with training modules, which are listed below.

Establishing a 3-months training programme for our Ophthalmic nurses

- Our well-developed training programme accredited and equipped ophthalmic nurses to handle the IVT administration independently and confidently.

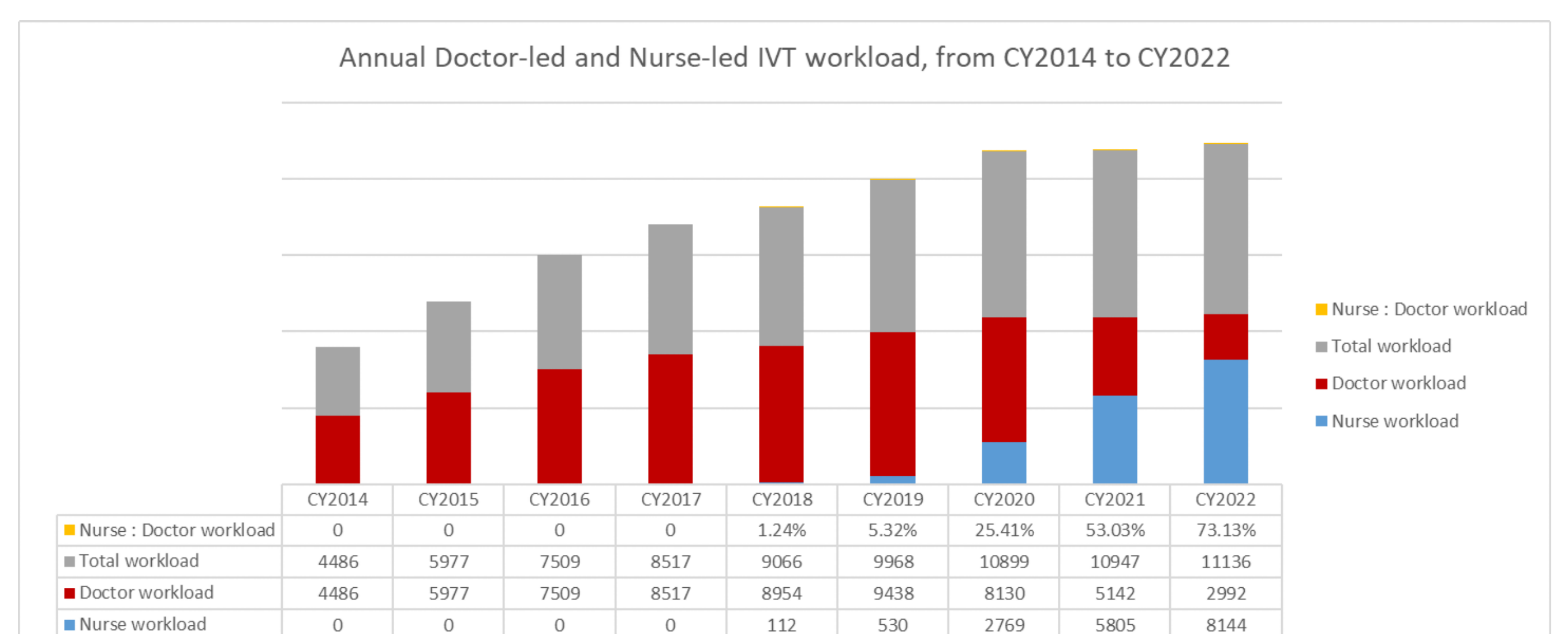


Outcome of nurse-led IVT

Visit Experience	Not satisfied	Fairly satisfied	Satisfied	Very satisfied	Extremely satisfied	Total	% from satisfied onwards
1. Detailed instructions and advice was given sufficiently for the eye injection procedure			5	7	3	15	100%
2. I felt comfortable and experience very minimal or no pain during the injection		1	6	5	3	15	93.3%
3. The nurse is friendly, approachable and sensitive to my needs			5	6	4	15	100%
4. How satisfied were you with the nurse giving the injection			4	9	2	15	100%

- High acceptance rate for ophthalmic nurse to perform IVT injection.
- Through one of the patient survey, 100% of them feedback their satisfaction and reflected they felt comfortable and experienced minimal or no pain during the injection.
- They also reported that they felt the nurse was friendly, approachable and sensitive to the patient's needs and were satisfied with the nurse who gave the injection.

Comparison between doctor-led and nurse-led IVT



- Nurse-led IVT grew at a rate of 43.5% from 2021 to 2022
- In CY2022, the nurse-led IVT team accounted for 71.8% of the annual workload.
- Overall, the team supported the growth of IVT workload, which increased by 13%.

Conclusion

Nurse-led IVT team is a successful implementation of workforce transformation and job-redesign.