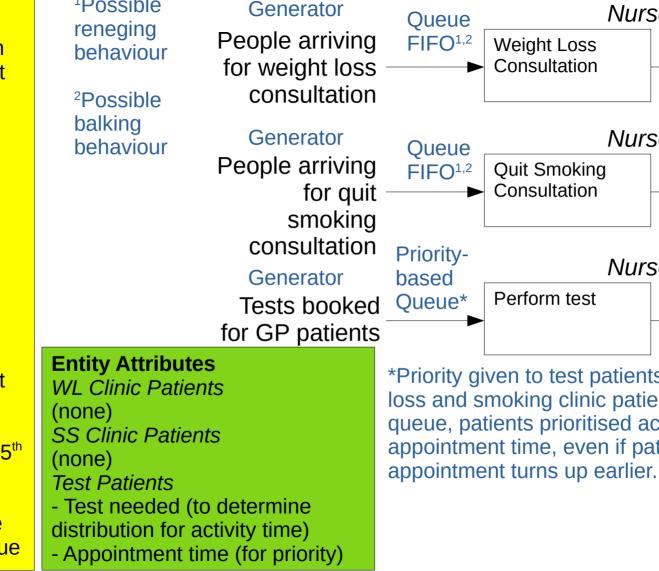


"What if?" Question

What would be the impact on nurse utilisation and patient waiting times to see the nurse for test and clinic activities if the nurse also ran quit smoking consultations as part of the weight loss clinic?

What would be the gain in terms of waiting times and reduced nurse utilisation if a second nurse was brought in to run a dedicated separate quit smoking clinic?

	<u>Inter-Arrival Times :</u>
	- Arrivals waiting for
	weight loss consultation
	- Arrivals waiting for qui
	smoking consultation
	- Times between GP
	patient tests
	Entities :
	- WL Clinic Patients
	- SS Clinic Patients
	- Test Patients
	<u>Activity Times :</u>
	- Time spent in weight
	loss consultation
	- Time spent in quit
	smoking consultation
	- Time spent having test
	performed
	Outputs:
	Mean, min, max, 95 th &
	percentile of :
	- Nurse utilisation
	- Q time for each queue
	- Q length for each que
Į	



¹Possible

Priority-Nurse based Perform test Queue* ➤ Sink *Priority given to test patients over weight loss and smoking clinic patients. Within test queue, patients prioritised according to appointment time, even if patient with later

Nurse

Nurse

➤ Sink

➤ Sink

Weight Loss

Consultation

Quit Smoking

Consultation

Queue

FIFO^{1,2}

Oueue

FIFO^{1,2}