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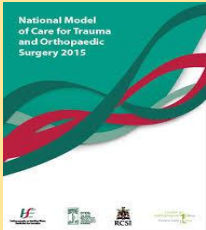
Multidisciplinary Trauma Assessment Clinic:

An Alternative Outpatient Orthopaedic
Pathway in Beaumont Hospital

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Purpose of Improvement Initiative

Sláintecare.



Quality:

Enhance patient outcomes

Provide direct access to appropriate patients

Treated in an evidenced based & best practice manner

Reduced socioeconomic impact – quicker return to work and hobbies



Safety:

Reduce the numbers of patients presenting to clinics. Reduce unnecessary imaging.

Only acute trauma patients who require surgical or imaging attend clinic

More time for complex patients

Reduce transmission of infection. Reduced exposure to radiation



Efficiency:

Reduce unnecessary steps in the patients' journey

Patients seen at appointment time

Orthopaedic clinic wait can be 1-3+ hours, x2-3/injury

Reduced imaging – only completed when clinically indicated



Satisfaction:

Enhance patient experience

Assessed and treated by clinicians with the right expertise

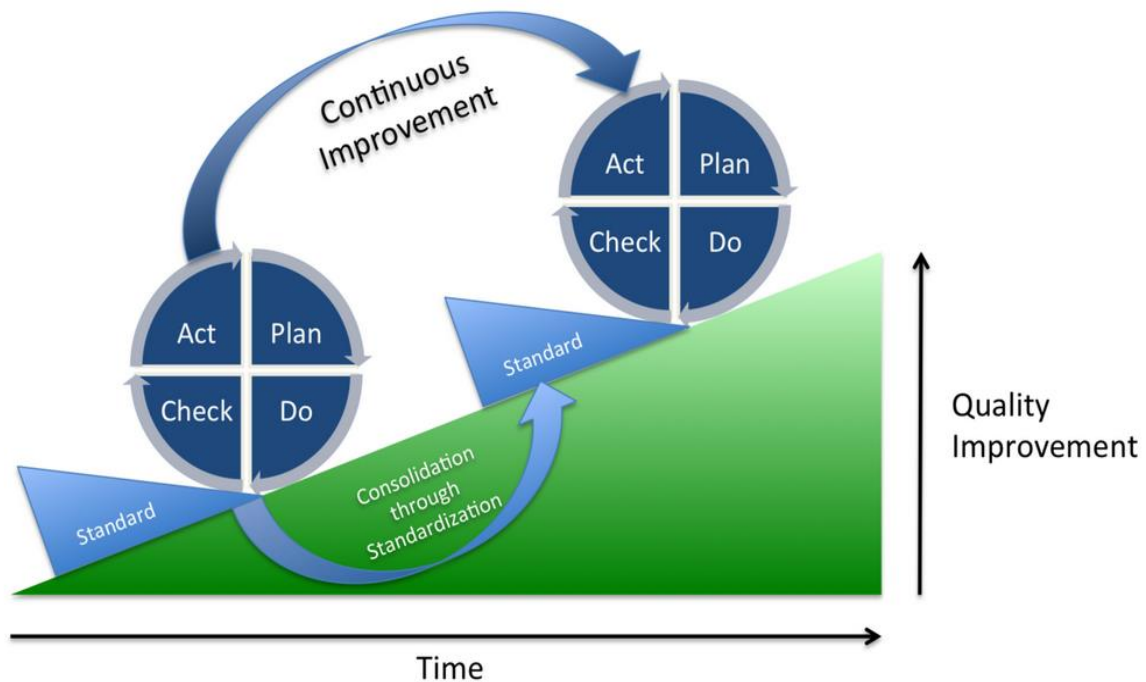
Reduced waiting = enhanced patient experience

Patients time is valued

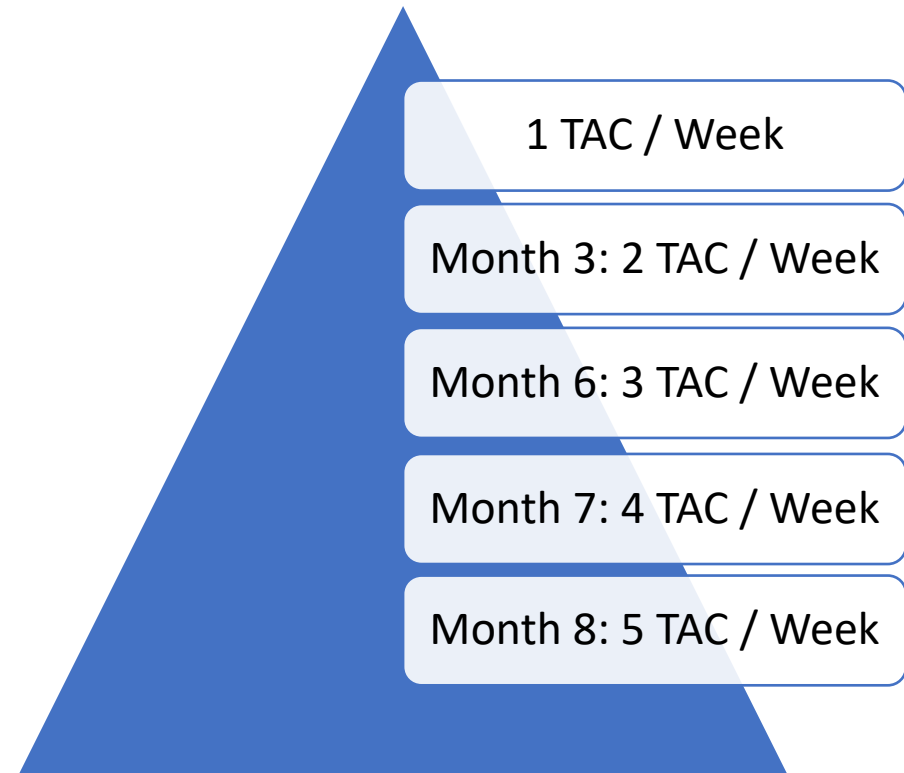
A Hospital Without Walls, Beaumont Hospital (2015-2020); National Out-Patient Improvement Programme, HSE (2015-2020); National Model of Care for Trauma and Orthopaedic Surgery, HSE(2015); Slainte Care 10 year Plan, DOH (2018)

Method: Model For Improvement

Quality Improvement Methodology



Incremental Service Changes



Stakeholders Involved

Front door

Patient

GP Liaison

ED Doctors

ED ANPs

TAC Team

Orthopaedic Consultant

Orthopaedic Registrar

Occupational Therapist

Physiotherapist

Nursing: Plaster Room Nurse & ED ANP

Information Technology

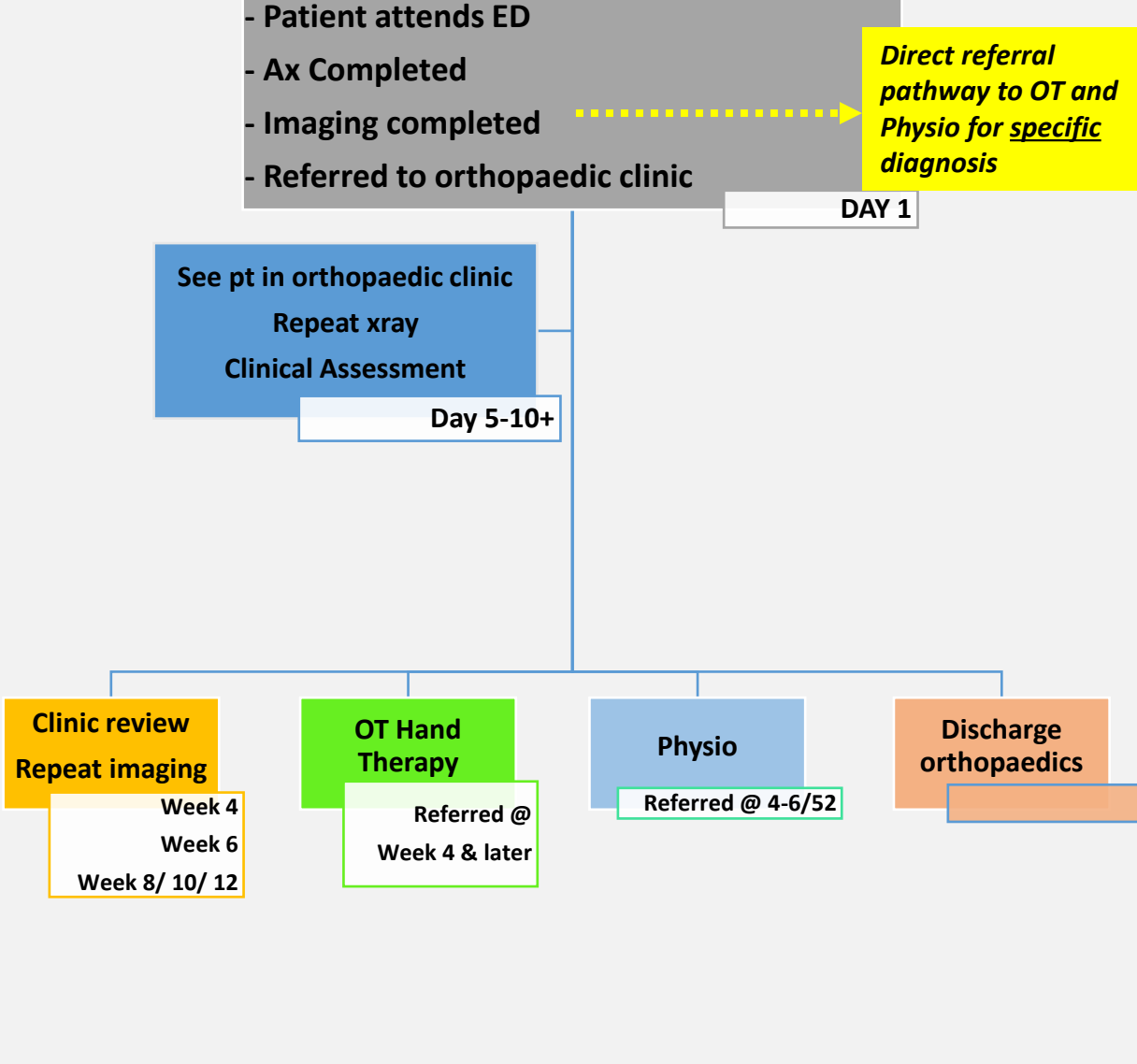
Orthopaedic clinic

Surgical team

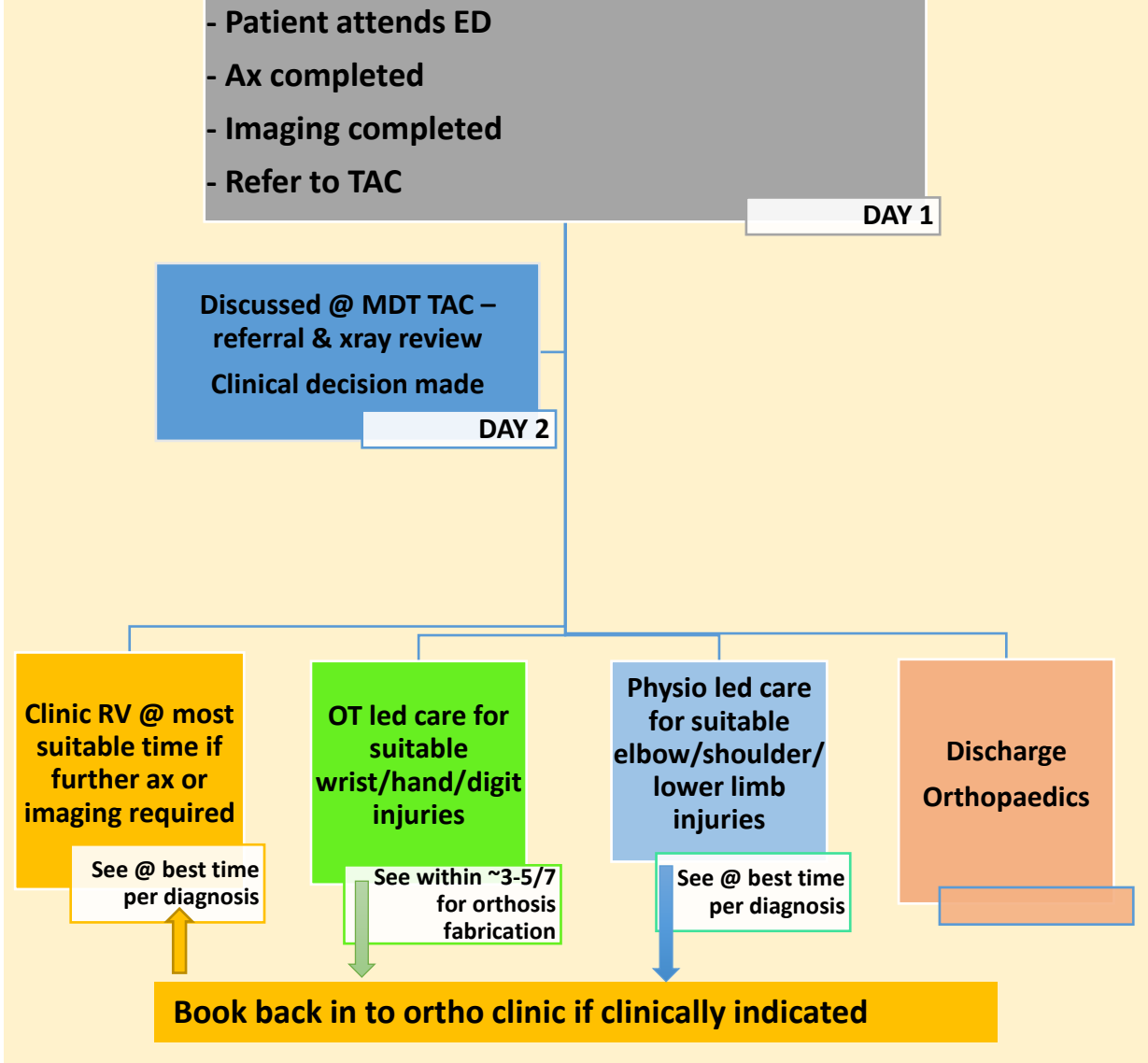
OPD nurses

Secretaries

Traditional Pathway



TAC Pathway



Outcomes: July 3rd 2020 to August 31st 2021

Number of patients reviewed	% to Clinic	% TAC discharges	% Direct to OT	% Direct to Physio
1141	56%	6%	12%	26%

Therapy Led Care Savings <small>(Savings based on figures from O'Reilly & Sheehan (2020) – €101 saving per patient from TAC versus traditional OPD review)</small>			% of OT / Physio referrals managed without a return appointment to clinic
Clinic slots	X-Ray Slots	Cost Savings	
1447	1447	€146,167	93%

Of the 56% referred to clinic

- >90% did not require a next week review
- = An additional clinic & x-ray slot saving per patient

“Very happy overall”

“No waiting around”

“Excellent treatment and service”

“Excellent care, everything explained thoroughly”



Key Learning:

1. Role of team working
2. Role of QI methodology and progressive and incremental changes

Next Steps:

1. Embed TAC as an alternative pathway of care in orthopaedics prior to NCHD changeover
2. Reduce administrative steps to increase efficiency whilst also ensure clear recording of the patient journey

References

- Strategy for the Design of Integrated Outpatient Services 2016-2020, outpatient services improvement programme, HSE, 2015
- Report of the review of the application of the Framework for Improving Quality in our Health services: Learning to guide future approaches. Quality Improvement Division, HSE, 2018
- Slainte Care 10 year plan, DOH, 2018
- Model of Care – Trauma and Orthopaedic Surgery, DOH, 2015
- O'Reilly, M. & Sheehan, E. (2020) A National Virtual Fracture Clinic Service: A more TACTful Approach. *International Journal of Orthopaedics, Traumatology & Surgical Sciences*. 6(1): 38-41
- Midgley, R., & Toeman, A. (2011) Evaluation of evidence based patient pathway for non surgical and surgically managed metacarpal fractures. *British Journal of Hand Therapy* 16(1), 19-25
- Hospital without walls, Beaumont Hospital Strategy 2015-2020 (2016)
- Report of the review of the application of the Framework for Improving Quality in our Health services: Learning to guide future approaches. Quality Improvement Division, HSE, 2018