

Lessons from the GAA National Injury Surveillance Database

Mark Roe

PhD Student, MSc, BA @markroecoach



Lesson 1 Understand what is happening

Lesson 2

Plan to make a difference

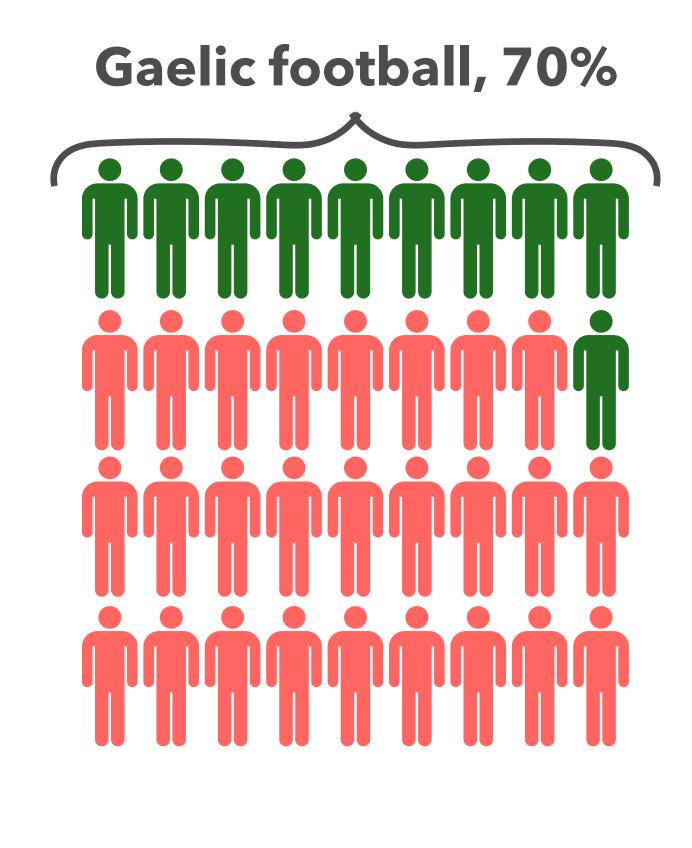
Lesson 3

Execution is everything

Lesson 1 Understand what is happening

Rates & Risks

46 Injuries



47 Injuries

Risk Day-to-Day









Common Injuries

20% 12% 11% 10% Hamstring

Groin

Knee

Ankle Sprains

How & When Injuries Occur

83% Non-Contact 5496 Match-Play

1306 Acute Onset

Lesson 2 Plan to make a difference

The 11+

PART 1 RUNNING EXERCISES - 8 MINUTES



RUNNING STRAIGHT AHEAD





4 RUNNING CIRCLING PARTNER



5 RUNNING SHOULDER CONTACT



RUNNING QUICK FORWARDS & BACKWARDS

PART 2 STRENGTH · PLYOMETRICS · BALANCE · 10 MINUTES



THE BENCH ALTERNATE LEGS











INTERMEDIATE

RAISE & LOWER HIP



9 HAMSTRINGS ADVANCED



10 SINGLE-LEG STANCE HOLD THE BALL





SINGLE-LEG STANCE TEST YOUR PARTNER





SQUATS WALKING LUNGES





12 JUMPING VERTICAL JUMPS



JUMPING LATERAL JUMPS



12 JUMPING BOX JUMPS



PART 3 RUNNING EXERCISES • 2 MINUTES





14 RUNNING BOUNDING



15 RUNNING PLANT & CUT









FIFA11+ Completed 1-2 Per Week

Reduced Injury Rate

Hamstring, 60%

Groin, 41%

Knee, 48%

Ankle, 32%

Thorborg et al., 2017.



GAA 15 WARM UP

PREHAB PROGRAMME: INTERVENTION

Part A: Running. Max 5 mins.

Slow run forwards 5m and return x 2

Jog straight to the 20m line. Make sure you keep your upper body straight. Your hip, knee and foot are aligned. Do not let your knee buckle inwards. Jog back to start line.

Hip out x 2



Jog five steps, stop and lift your knee forwards. Rotate your knee to the side and put your foot down. Leg you are standing on stays straight, heel on the ground. Do not allow knee of stance leg buckle inwards. After five more steps, repeat exercise on the other leg. Repeat until you reach the 20 m line. Jog back.

Hip in x 2



Jog five steps, stop and lift your knee to the side. Rotate your knee forwards and put your foot down. Make sure that the leg you are standing on stays straight. After five more steps, repeat exercise on the other leg. Repeat until you reach the 20m line. Jog back.

Heel Flicks x 2



Jog towards the 20m line. Taking short strides flick your heels towards your glutes. Your upper thigh should remain perpendicular to the ground. Jog back to the end line. Complete twice.

Touch toes x 2





Go to learning.gaa.ie to view the videos

GAA15 Reduces Lower Limb Injuries

45%

Reduced Training Injury Rate

Reduced Match Injury Rate

Kelly, Lodge, Milley., 2017.



5-17 Years

Should accumulate at least 60 minutes of moderate- to vigorous-intensity physical activity daily.

18-64 Years

At least 150 minutes of moderateintensity aerobic physical activity throughout the week or do at least 75 minutes of vigorous-intensity aerobic physical activity the week.

- 1, Very very easy
- 2, Easy
- 3, Moderate
- 4, Somewhat hard
- 5, Hard

6

7, Very hard

8

9

10, Maximal

5-17 Years

60 min x 3-8

180 - 480 AU per day

1250-3360 AU per week

18 + Years

150 min x > 7

>1050 AU per week

Lesson 3 Execution is everything

GAA15: Do it right... and keep doing it

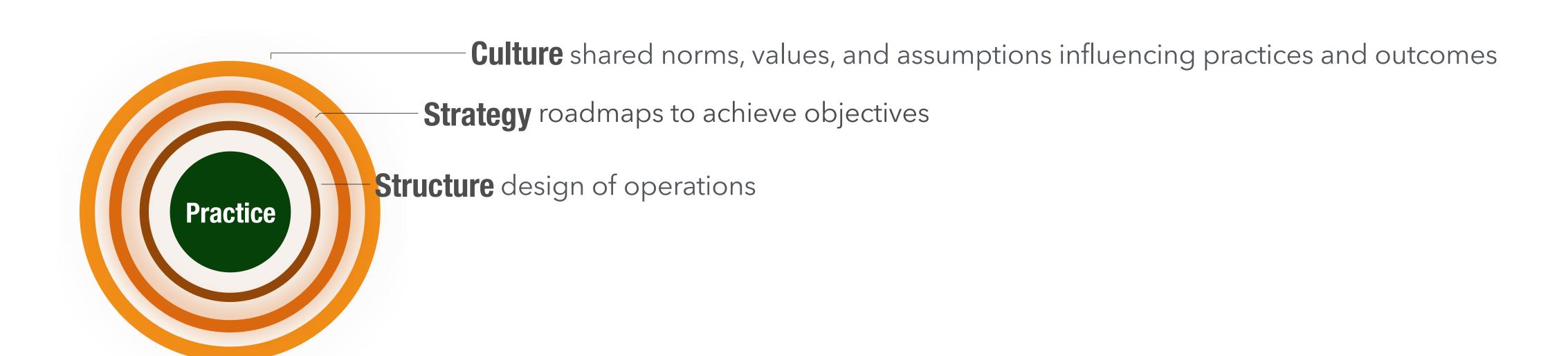
Squat

Lunge and Nordic hamstring exercise

Landing skills

Execution is everything

Make it part of the process of preparing to be a GAA player





Lessons from the GAA National Injury Surveillance Database

Mark Roe

PhD Student, MSc, BA @markroecoach

