The Best of The Best

Creating Clinical Experts

Bonnie Van Lunen, PhD, ATC, FNATA
Old Dominion University
Athletic Training Residency Areas of Focus

- Rehabilitation
- Orthopaedics
- Pediatrics
- Performance Enhancement
- Behavioral Health
- Primary Care
- Urgent and Emergent Care
- Prevention and Wellness
THE PURPOSE: Create Clinical Experts

by collecting meaningful actionable data that leads to program and resident learning improvements
Standards 14-25 (OUTCOMES)
Clinical Practice
Didactic Experiences
Scholarly Experiences
(Standard 15)

Outcomes and Objectives
Clinical Practice
Didactic Experiences
Scholarly Experiences
(Standard 15)

Preceptor’s Expertise
Resources
(Standard 16)

Outcomes and Objectives
Outcomes and Objectives

- Increase depth and breadth of AT skills (Standard 17)
- Preceptor’s Expertise Resources (Standard 16)
- Clinical Practice Didactic Experiences Scholarly Experiences (Standard 15)
Core-competencies (Standard 17)

Clinical Practice Didactic Experiences Scholarly Experiences (Standard 15)

Outcomes and Objectives

Increase depth and breadth of AT skills (Standard 17)

Preceptor’s Expertise Resources (Standard 16)
The mission of [name of sponsoring organization] [specialty area] Athletic Training Residency Program is to produce clinical experts in [specialty area] to... [something that aligns to your organizational mission or specific outcomes]
Option: Start with the mission

The mission of Van Lunen Children’s Center Pediatrics Athletic Training Residency Program is to produce clinical experts in pediatrics to provide patient- and family-centered health care in a diverse and inclusive environment, develop and utilize innovative research that leads to prevention and effective treatment of childhood diseases, and engage in quality improvement initiatives to address pediatric medical conditions.

Use this is write the outcomes
Pick a few outcomes (3-6)

Upon completion of the Van Lunen Hospital System Orthopaedic Athletic Training Residency Program, residents’ will be able to achieve the following outcomes:

● **ASK YOURSELF**
  ○ What will the AT residents be able to do at the end of the residency?
  ○ What will the AT residents stand out as?
  ○ What will the AT residents be linked to or known as?

● These are broad and general (your measureable objectives will further define the outcomes)
Upon completion of the XXXXXXX Athletic Training Residency Program, residents’ will be able to achieve the following outcomes:

**Examples of Outcomes**

Identify, refer, and give support to patients with *behavioral health* conditions.

Utilize health information technology to track patient-rated outcomes measures for patients with *orthopaedic* conditions.

Engage in quality improvement initiatives to measure and improve health care quality for those with *primary care* conditions.

Demonstrate the ability to integrate the best available evidence with clinical expertise and consideration of patient values and circumstances to optimize patient outcomes.
Upon completion of the XXXXXX Athletic Training Residency Program, residents’ will be able to achieve the following outcomes:

**Examples of Outcomes**

**Identify, refer, and give support** to patients with **behavioral health** conditions.

**Utilize** health information technology to track patient-rated outcomes measures for patients with **orthopaedic** conditions.

**Engage** in quality improvement initiatives to measure and improve health care quality for those with **primary care** conditions.

**Demonstrate** the ability to integrate the best available evidence with clinical expertise and consideration of patient values and circumstances to optimize patient outcomes.
Upon completion of the XXXXXX Athletic Training Residency Program, residents’ will be able to achieve the following outcomes:

Outcomes that may not be what you are after:

● Attend grand rounds in the area of musculoskeletal evaluation and diagnosis (WHAT THEY DO DURING)

● Present case studies which address behavioral health issues (WHAT THEY DO DURING)

● Complete a pediatric examination which will encompass input from an interprofessional team (WHAT THEY DO DURING)

You can use these thoughts for your objectives
Adding the Objectives to the Outcomes
Writing Objectives

● Measureable (how will we know if we accomplished them, what are our targets?)

● Include higher level objectives (Bloom’s taxonomy verbiage)
Writing Objectives

- Measureable (how will we know if we accomplished them, what are our targets?)
- Include higher level objectives (Bloom’s taxonomy verbiage)
- When/how will the objectives be measured
- What do we need to do within the program to achieve this outcome? What does this outcome entail?
OUTCOME: Utilize health information technology to track patient-rated outcomes measures for patients with orthopaedic conditions

Writing Objectives:

● **Measureable?** How will we know the resident has reached the level we need them to be at? Have we set a target to achieve? What assessments will we use to measure the objective?

● **At what level?** Bloom’s verbiage – start with apply --- analyze ---- evaluate ----- 

● **When?** Early in the residency? Continually throughout the residency? Cumulative approach?

● **What is needed to achieve this Program Outcome?**

  ○ Know how to use HIT (input information)

  ○ Know what PROs are appropriate (understand, administer, score)

  ○ Ability to implement PROs in clinical practice

Know that we need a few objectives for this Program Outcome
OUTCOME: Utilize health information technology to track patient-rated outcomes measures for patients with orthopaedic conditions

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<td>Proficiency evaluation at the beginning of rotation 1 only. (Scored with a checklist)</td>
<td>All residents will achieve a score of at least 80% on the checklist</td>
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Direct Assessment Measures

- Scores and pass rates on standardized tests
- Course quizzes, tests, and inventories
- Portfolio artifacts
- Capstone projects (these could include research papers, presentations, orals)
- Case studies
- Oral examination
- Ratings or evaluation forms from preceptors
- Service-learning projects or experiences

Indirect Assessment Measures

- Surveys, questionnaires, open-ended self-reports, dealing with current residents’ perception of their own learning
- Employment or placement rates of residents into appropriate career positions
- Number or rate of residents involved in research, collaborative publications and/or presentations, service learning, or extension of learning in the larger community
**OUTCOME:** Utilize health information technology to track patient-rated outcomes measures for patients with orthopaedic conditions

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<td>Assess cumulative information from the PROs input into the HIT system for the patients plan of care.</td>
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<td>Presentation at end of rotation (scored with rubric)</td>
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Core-competencies (Standard 17)

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Your turn
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<td>3 of 4 residents will choose the appropriate diagnostic assessments 80% of the time as compared to preceptor findings</td>
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Findings

Objective 1: Explain, administer and evaluate PROs related to each Orthopaedic condition

60% (3/5) of residents earned an 80% (meets standard) on the rubric used to score the portfolio.

Target Status: Not met (we wanted 100% of residents)
Action Plans (Standard 25)

What are you going to do?

1) Develop targeted goals and action plans if outcomes are not met

2) What is the timeline for reaching these outcomes?

3) Who is responsible for making sure each of these happen?

4) Provide evidence that you are tracking these action steps
Programs aggregate organizational data (Standard 21)

● Program’s employment rate in athletic training for the most recent three cohorts within 6 months of program completion

● Program’s retention and completion rates for the most recent three academic years

What can we collect as a group that is meaningful?
Questions?
Upon completion of the XXXXXX Athletic Training Residency Program, residents’ will be able to achieve the following outcomes:

**OUTCOME:** Determine and implement the appropriate rehabilitation plan of care for individuals with orthopaedic related injuries.

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