

# PhysiologicPRISM

## Clinical Workflow Overview

A demonstration of the complete PRISM Clinical Reasoning Framework

From patient intake to comprehensive PDF report generation

- 12 structured clinical reasoning modules
- ICF framework integration (WHO/WCPT endorsed)
- AI-powered clinical decision support
- Evidence-based assessment workflows
- Comprehensive documentation for legal defensibility

# What is the PRISM Framework?

The **PRISM Clinical Reasoning Framework** is a copyrighted, proprietary methodology developed by a practicing physiotherapist to transform clinical reasoning into structured, repeatable, and legally defensible documentation.

While clinical reasoning is well-taught in physiotherapy education, it is often poorly documented in practice. PRISM bridges this gap by providing a 12-module workflow that guides clinicians through comprehensive assessment, diagnosis, goal-setting, and treatment planning.

## Key Differentiators

**ICF Framework Integration:** Built on the International Classification of Functioning, Disability and Health (ICF)—the global standard endorsed by WHO and WCPT. Includes evidence-based ICF core sets for common musculoskeletal and neurological conditions.

**Biopsychosocial Completeness:** Systematically captures biological, psychological, and social factors using evidence-based models including the Common Sense Model, Pain Mechanism Classification, and Yellow Flags Assessment.

**AI-Powered Clinical Decision Support:** Intelligent suggestions at every module help reduce cognitive load, ensure comprehensive assessment, and maintain clinical reasoning quality during busy clinic hours.

**Clinical Defensibility:** Complete documentation demonstrates not just what was observed, but the clinical reasoning that led to diagnosis and treatment decisions—critical for professional liability protection.

This demo walks through a complete patient case from intake to PDF report generation, showcasing how each module builds upon the previous to create comprehensive clinical documentation.

# Module 1: Present History & Past Medical History

The clinical journey begins with comprehensive patient intake. Physiotherapists document the chief complaint, symptom behavior, and past medical history using AI-powered differential questioning to ensure nothing is missed.

## Key Features:

- Structured present history documentation
- AI-suggested differential questions based on presentation
- Systematic past medical history screening

Add Patient empty form

The screenshot shows a web browser window with the URL [https://physiologicprism.com/add\\_patient](https://physiologicprism.com/add_patient). The page title is "Add New Patient". The form includes the following sections and fields:

- Patient Name:** A text input field with the placeholder "Enter full name".
- Age / Sex:** A text input field with the placeholder "e.g. 45/M or 32/F".
- Contact Details:** A text input field with the placeholder "Phone number".
- Present History:** A text area with the placeholder "Brief description of current complaint".
- Past History:** A text area with the placeholder "Enter any past medical or surgical history".

At the bottom of the form, there are three buttons: "Save Patient & Next", "Generate Diagnosis", and "Back to Dashboard". A footer note states: "AI suggestions are for clinical reasoning assistance only. Always verify with professional judgment." The copyright notice is "© 2025 PhysiologicPRISM | PRISM Framework".

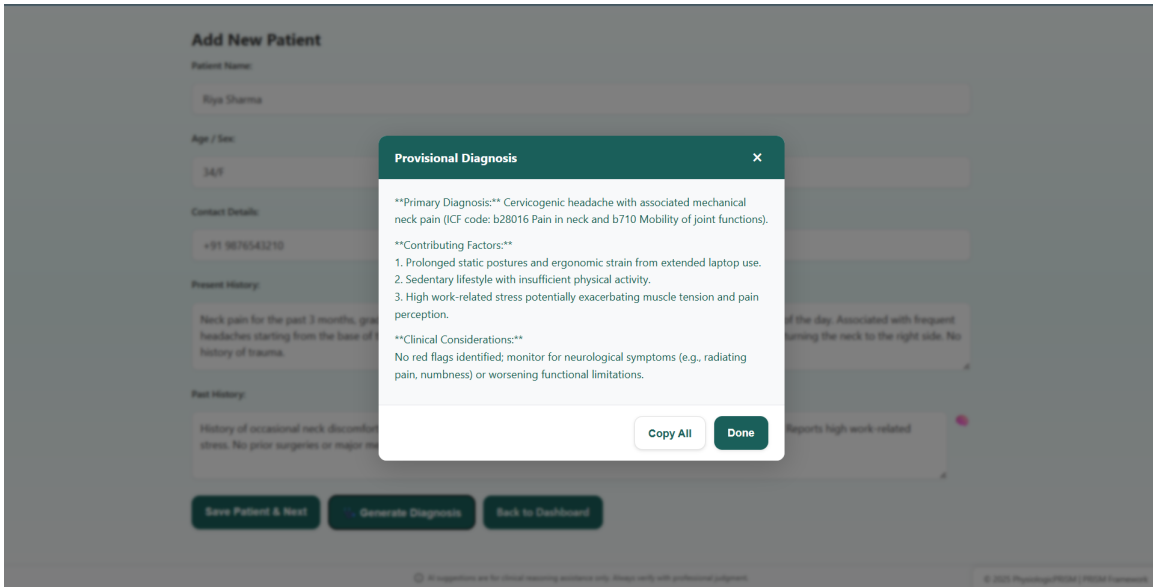
Add Patient Past History AI suggestions

The screenshot shows the same "Add New Patient" form, but with a modal window titled "Past History Questions" overlaid. The modal contains the following questions:

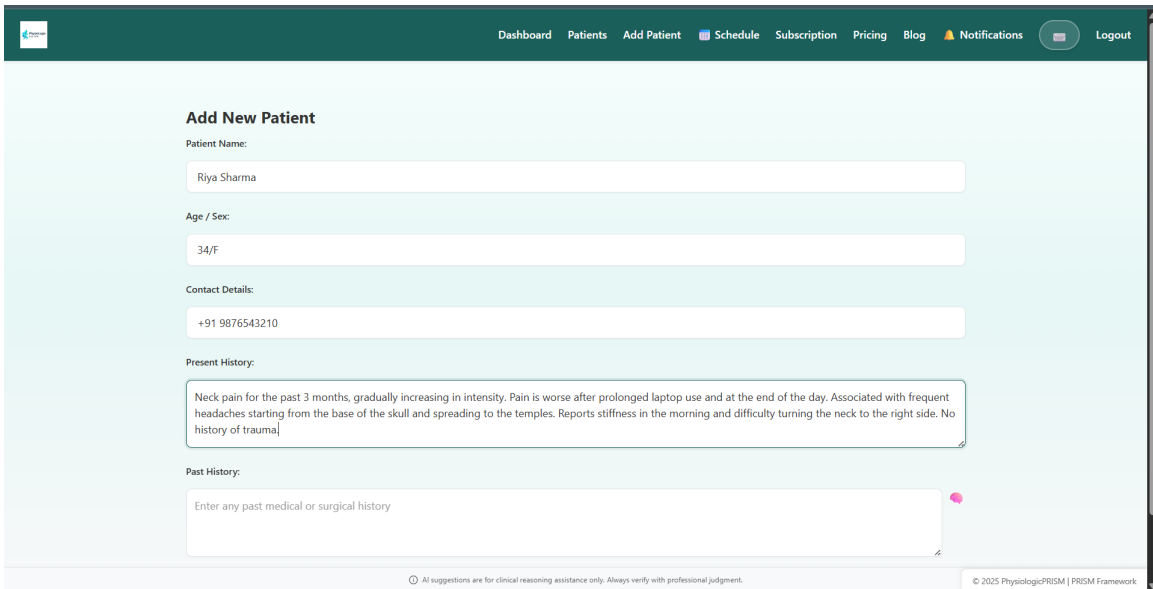
1. Have you experienced similar episodes of neck pain or headaches in the past?
2. Do you have any history of major medical conditions, surgeries, or injuries involving your neck, head, or spine?
3. Are you currently taking any medications or supplements, including over-the-counter ones?
4. Have you noticed any symptoms such as unexplained weight loss, night sweats, fever, or numbness/tingling in your arms or hands?
5. Can you describe your typical daily posture and activities, especially during laptop use or other prolonged tasks?

The modal has "Copy All" and "Done" buttons at the bottom. The background form is dimmed, showing the "Present History" field with the text: "Neck pain for the past 2 months, growing headaches starting from the base of the skull. History of trauma." and the "Past History" field with the placeholder "Enter any past medical or surgical history". The footer note and copyright notice are also visible.

Add Patient Generate History AI



Add Patient till Present History



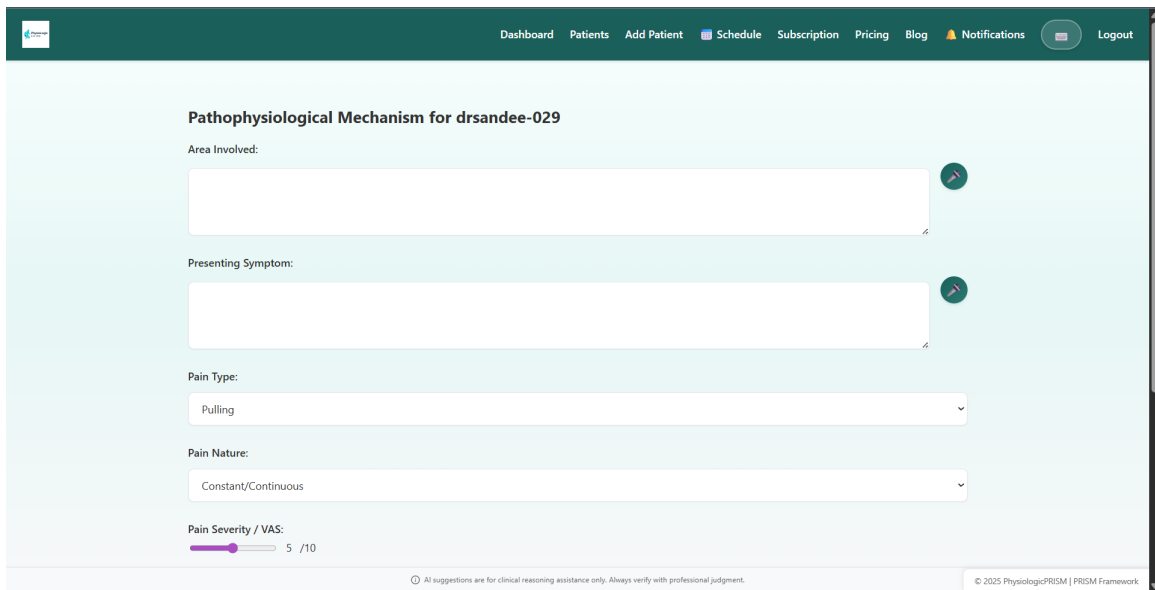
# Module 2: Pathophysiological Mechanism Analysis

Understanding pain mechanisms guides treatment selection. The PRISM framework provides structured assessment of nociceptive, neuropathic, and nociplastic pain mechanisms with comprehensive dropdown options and AI reasoning assistance.

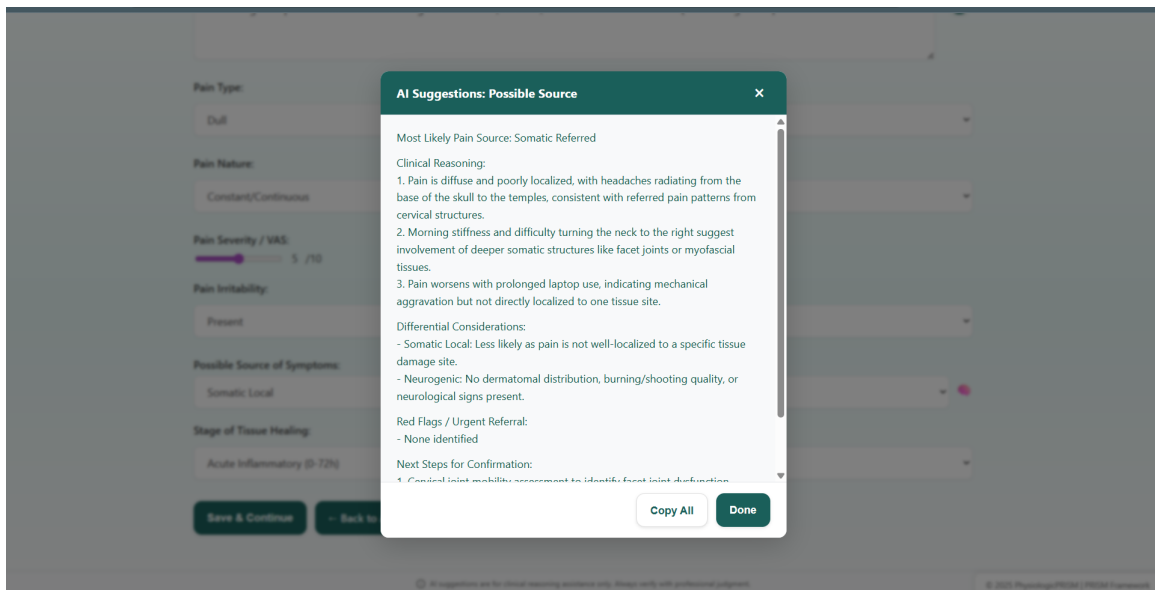
### Key Features:

- Evidence-based pain mechanism classification
- Structured clinical reasoning for mechanism identification
- AI-powered mechanism analysis and differential considerations

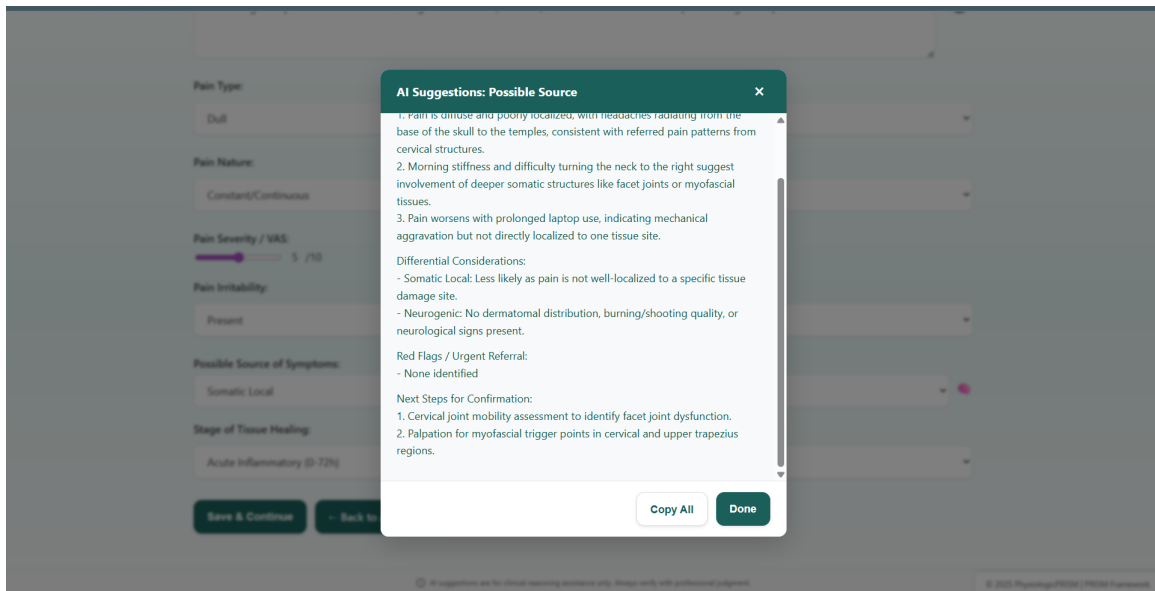
Patho Mechanism Empty 1



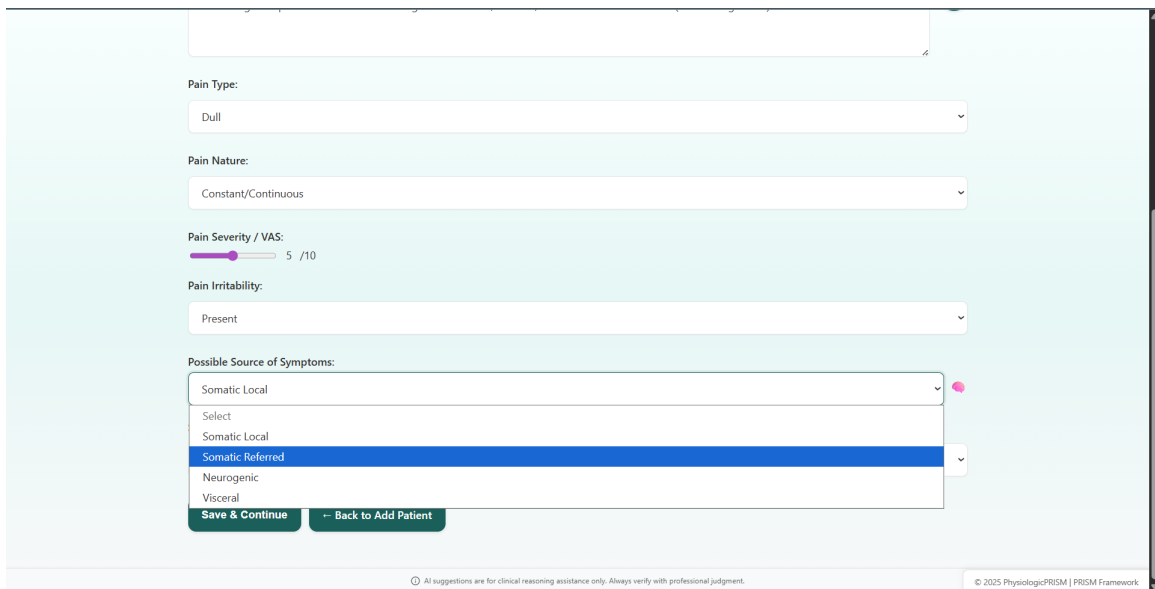
Patho Mechanism AI Suggestion



Patho Mechanisms AI Suggestions 1



#### Patho Mechanisms Dropdown 4



(6 additional workflow screenshots available for this module)

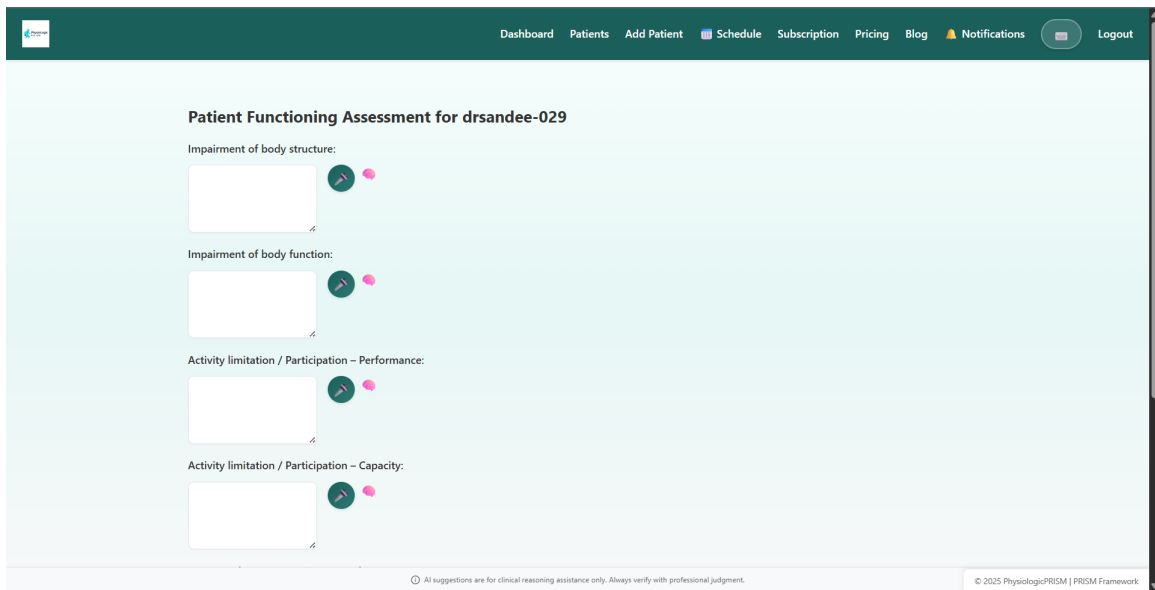
# Module 3: ICF-Based Patient Functioning Assessment

Built on the WHO International Classification of Functioning, Disability and Health (ICF), this module captures body structures, body functions, activity limitations, and participation restrictions using condition-specific ICF core sets.

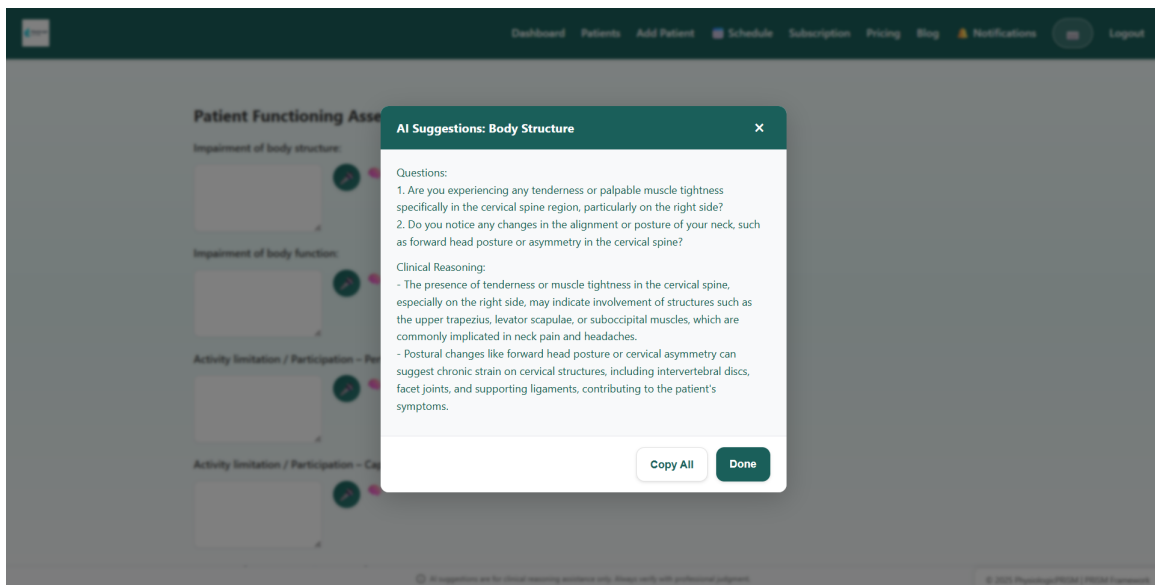
### Key Features:

- Evidence-based ICF core sets for common conditions
- Structured capture of activity limitations and participation restrictions
- AI suggestions for comprehensive functional assessment

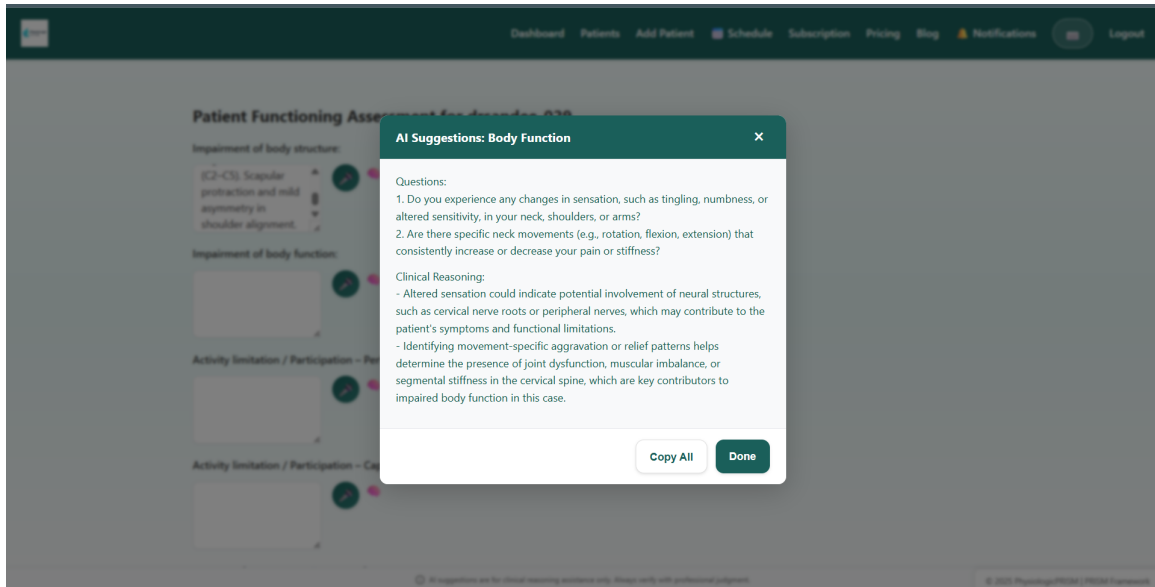
### Patient Functioning Assessment 1



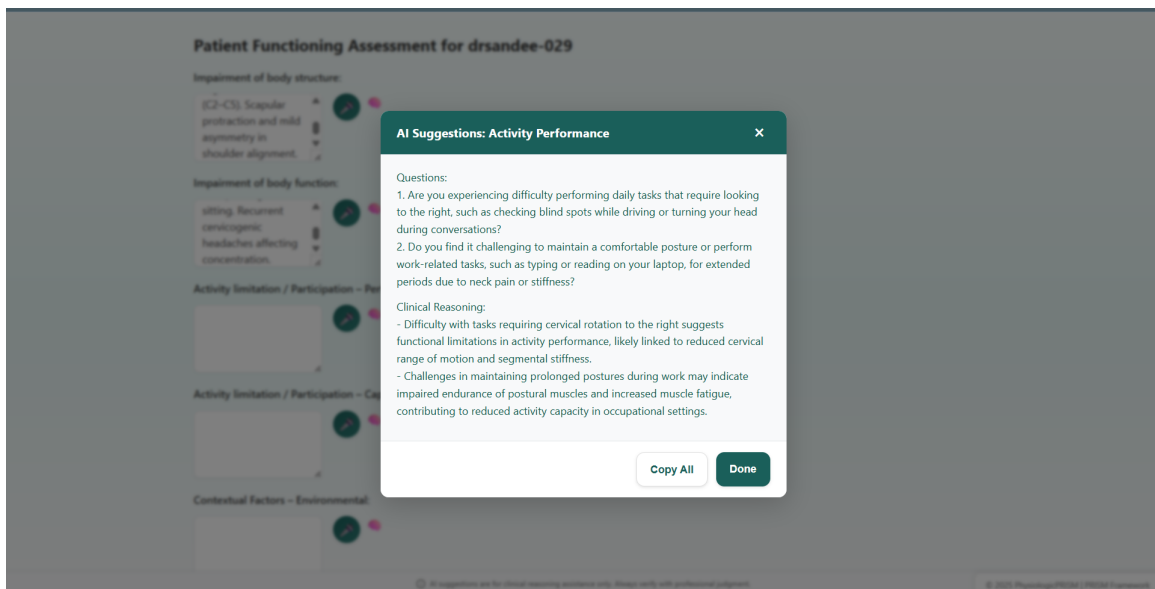
### Patient Functioning Assessment 1st AI end point



### Patient Functioning Assessment AI 2nd



Patient Functioning Assessment AI 3rd



(5 additional workflow screenshots available for this module)

# Module 4: Patient Perspectives & Illness Perceptions

Using the Common Sense Model, this module systematically captures the patient's understanding of their condition—their beliefs about identity, timeline, consequences, control/cure, emotional response, and causal attributions.

### Key Features:

- Common Sense Model framework integration
- Systematic capture of patient's illness beliefs
- AI-powered analysis of psychosocial factors influencing recovery

Patient Perspectives Empty 1

**Patient Perspectives for drsandee-029**

Knowledge of the Illness

Select

Enter notes...

Illness Attribution

Select

Enter notes...

Expectation About Illness

Select

Enter notes...

Awareness of Consequences

Select

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Patient Perspectives AI 1

**Patient Perspectives for drsandee-029**

Knowledge of the Illness

Select

Enter notes...

Illness Attribution

Select

Enter notes...

Expectation About Illness

Select

Enter notes...

Awareness of Consequences

Select

**AI Suggestions: Knowledge**

Questions:

1. When you think about your neck pain and headaches, what do you think is happening inside your body? For example, do you think it's related to muscle strain, a nerve issue, or something else?
2. Have you come across any explanations or terms—either from healthcare providers, online, or from others—that describe what might be causing your neck pain and stiffness?

Clinical Reasoning:

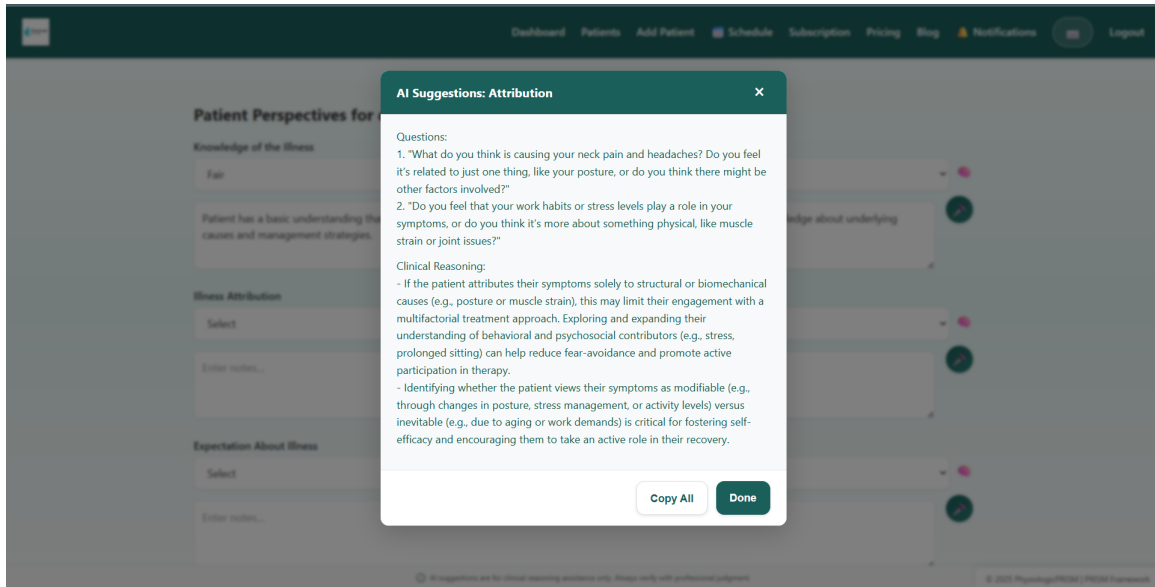
- Understanding the patient's mental model of their condition helps identify whether they hold structural damage beliefs (e.g., "something is torn" or "a nerve is pinched") that may increase perceived threat and reduce their confidence in active treatment approaches.
- If the patient uses catastrophic or inaccurate language, such as "degeneration" or "permanent damage," this may indicate a need for targeted education to align their understanding with modern pain science, which can improve engagement and reduce fear-avoidance behaviors.

Copy All Done

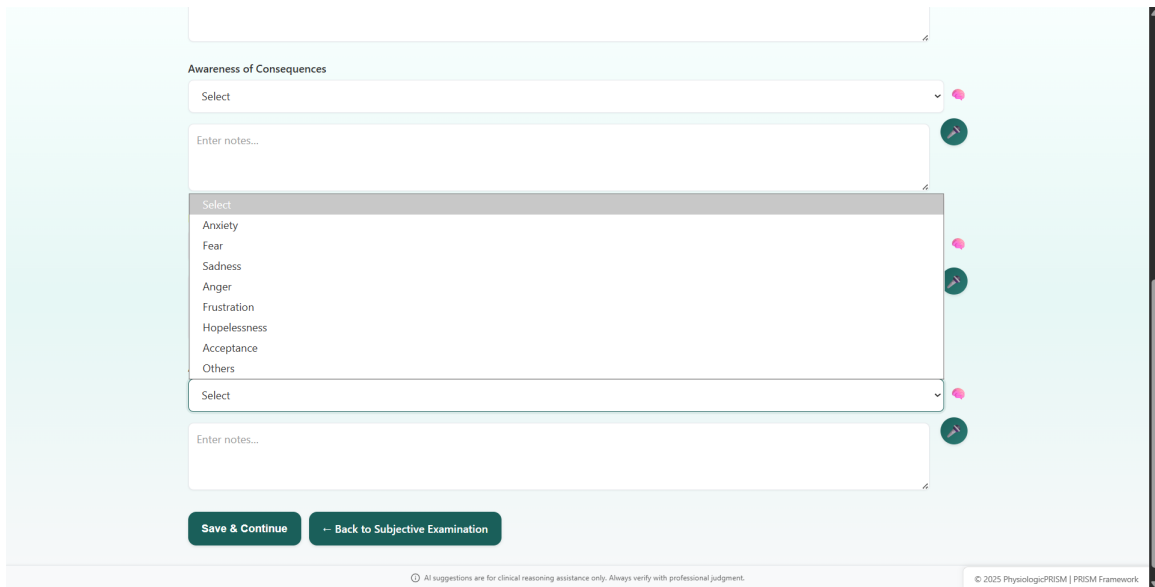
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Patient Perspectives AI 2



Patient Perspectives 5th Dropdown



(9 additional workflow screenshots available for this module)

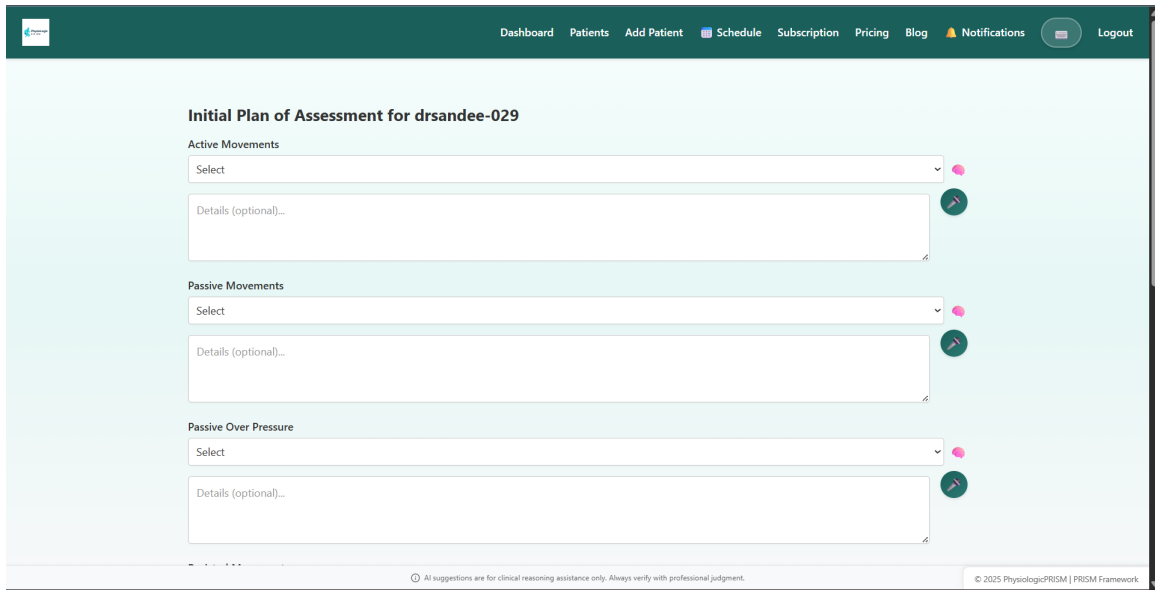
# Module 5: Initial Assessment Planning

Before examining the patient, clinicians plan their objective assessment strategy. The system provides body region-specific, evidence-based test batteries with AI recommendations based on the clinical presentation.

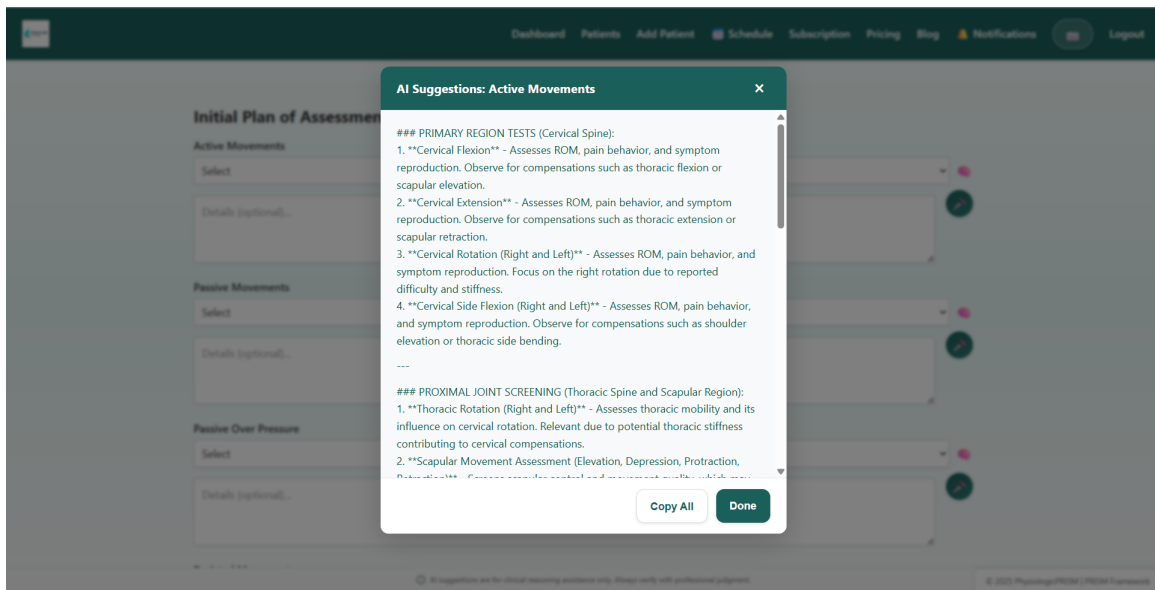
### Key Features:

- Evidence-based assessment planning by body region
- AI-suggested tests based on clinical hypotheses
- Comprehensive test battery selection across 7+ domains

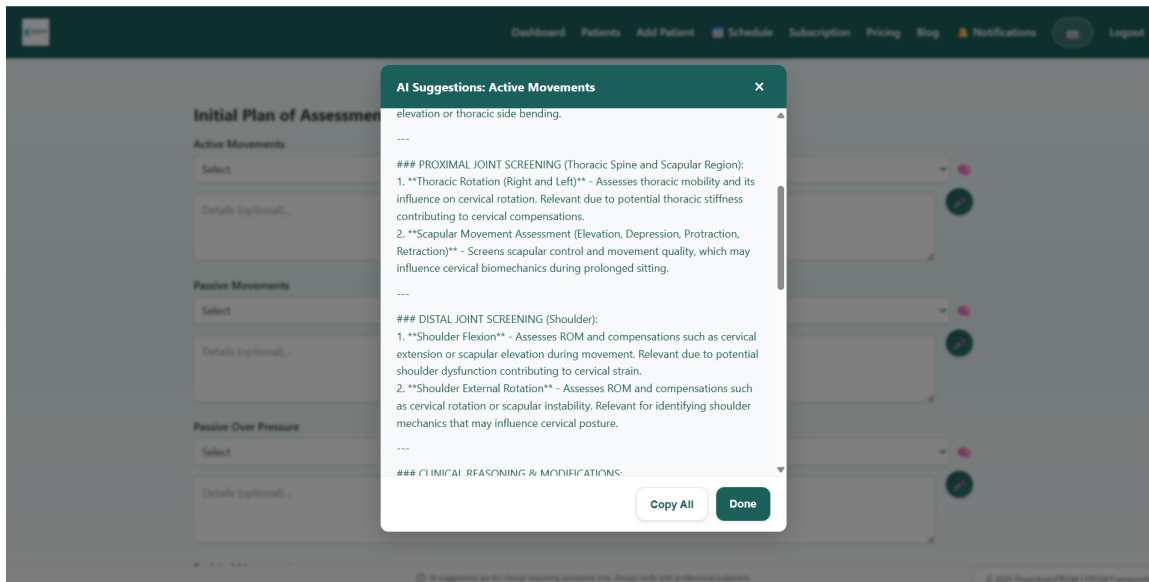
Initial Plan of Assessment 1



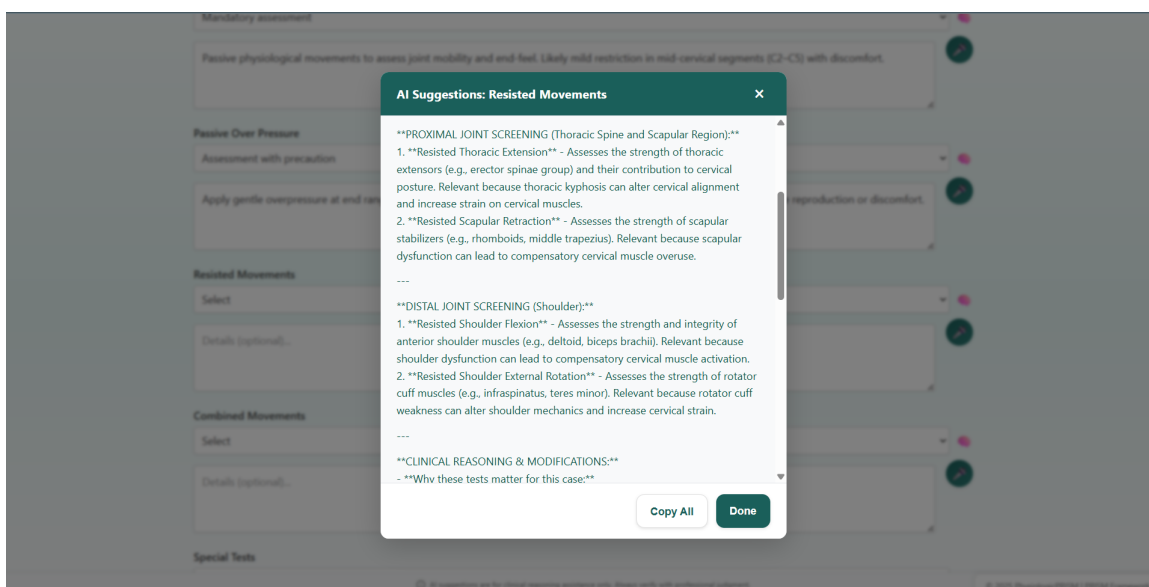
Initial Plan of Assessment AI 1



Initial Plan of Assessment AI 1.1



Initial Plan of Assessment AI 4.1



(29 additional workflow screenshots available for this module)

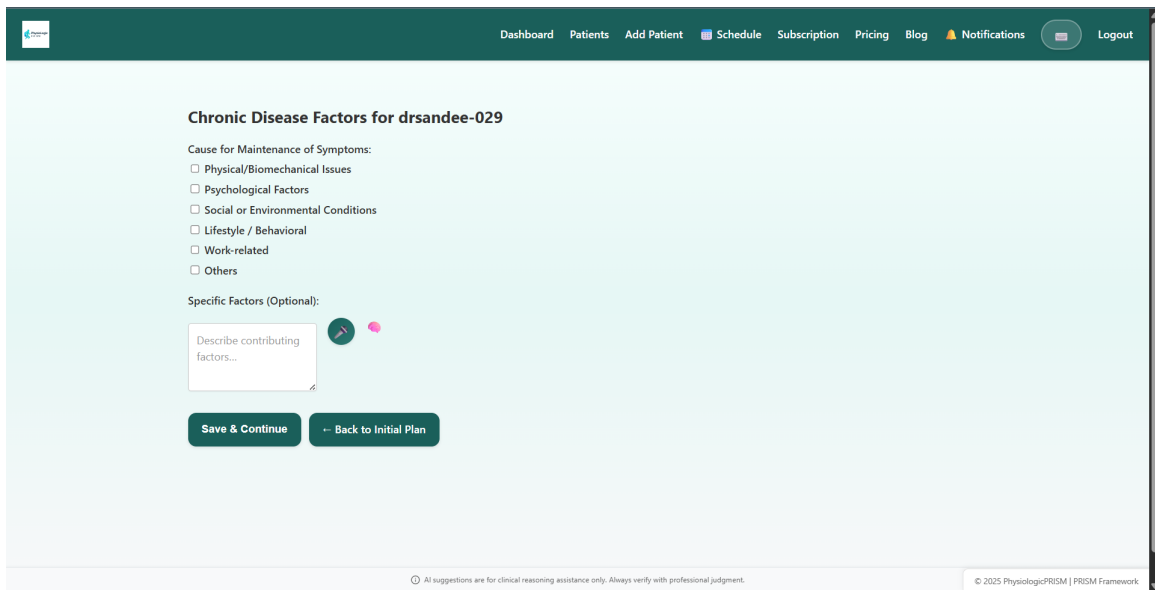
# Module 6: Chronic Disease Factors & Maintenance Analysis

For persistent conditions, systematic analysis of biological, psychological, and social factors that may maintain symptoms. Integrates Yellow Flags assessment with evidence-based biopsychosocial screening.

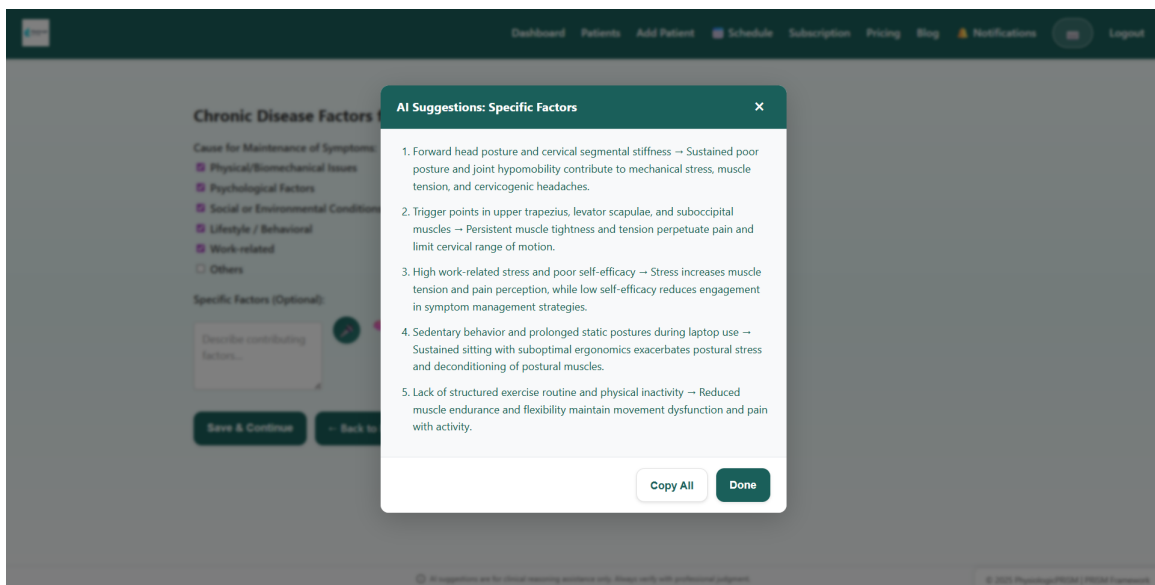
### Key Features:

- Biopsychosocial factor assessment
- Fear-avoidance, catastrophizing, and self-efficacy screening
- AI-powered identification of modifiable maintenance factors

### Chronic Diseases



### Chronic Diseases AI



# Module 7: Clinical Flags Screening

Systematic screening for red, yellow, blue, black, and orange flags ensures serious pathology is identified and psychosocial barriers to recovery are addressed early in the clinical encounter.

### Key Features:

- 5-flag systematic screening (red/yellow/blue/black/orange)
- AI-comprehensive flag identification
- Clinical decision support for referral considerations

### Clinical Flags

Clinical Flags for drsande-029

Red Flags

Any red-flag symptoms or history...

Orange Flags (Symptoms S/O Psychiatric Illness)

Any psychiatric symptoms or concerns...

Yellow Flags (Psychosocial)

Any psychosocial risk factors...

Black Flags (Systems/Environment)

Any workplace or system-level barriers...

Blue Flags (Work-Related)

Any work-related attitudes or demands...

Save & Continue AI Suggestions for All Flags Back to Chronic Disease Factors

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### Clinical Flags AI

Clinical Flags for drsande-029

Red Flags

Any red-flag symptoms or history...

Orange Flags (Symptoms S/O Psychiatric Illness)

Any psychiatric symptoms or concerns...

Yellow Flags (Psychosocial)

Any psychosocial risk factors...

Black Flags (Systems/Environment)

Any workplace or system-level barriers...

Blue Flags (Work-Related)

Any work-related attitudes or demands...

Save & Continue AI Suggestions for All Flags Back to Chronic Disease Factors

AI Suggestions for Clinical Flags

1. RED FLAGS (Serious Pathology): None identified
2. ORANGE FLAGS (Psychiatric): None identified
3. YELLOW FLAGS (Psychosocial Risk): Low postural awareness and habits contributing to symptoms; sedentary lifestyle with avoidance of sustained activity due to discomfort; potential reliance on passive treatment expectations.
4. BLACK FLAGS (System/Environmental Barriers): Suboptimal workstation ergonomics; prolonged sitting demands in work environment without adequate movement breaks.
5. BLUE FLAGS (Work-Related Perceptions): High work-related stress and perception of demanding workload contributing to symptoms.

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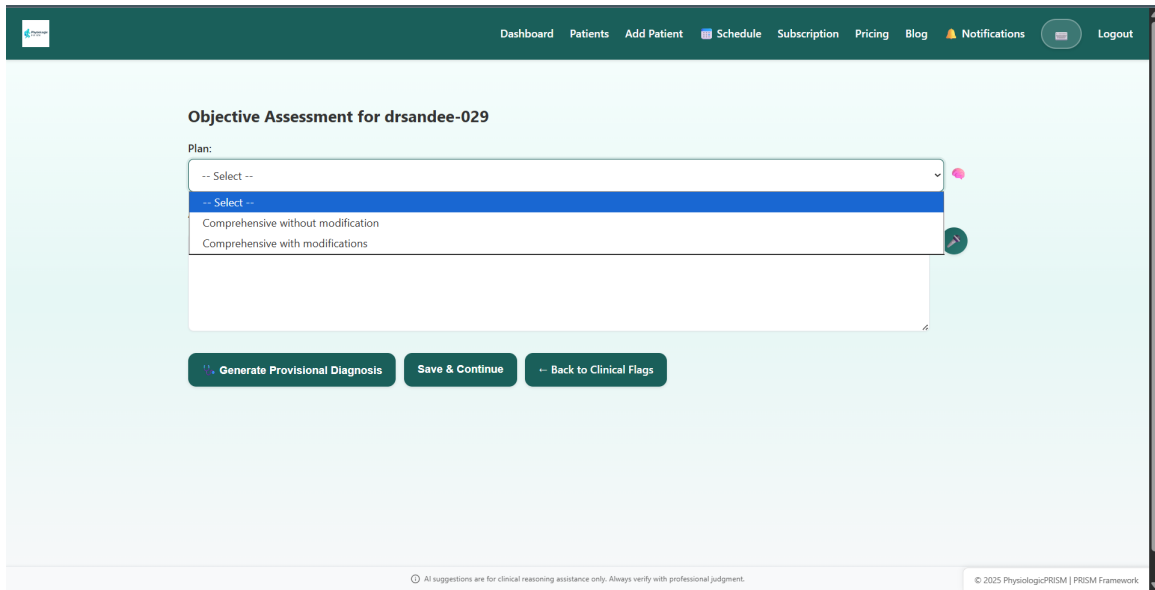
# Module 8: Objective Examination

Documentation of physical examination findings including observation, ROM, muscle testing, special tests, neurological screening, functional movement, and palpation.

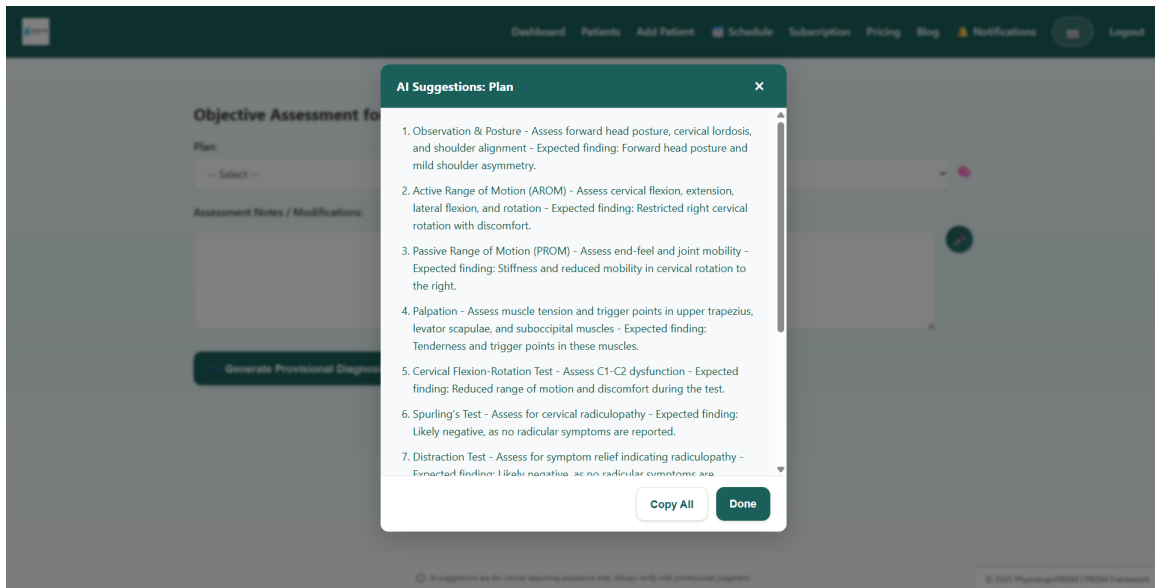
### Key Features:

- Structured objective examination documentation
- AI suggestions for test interpretation
- Integration with assessment plan from Module 5

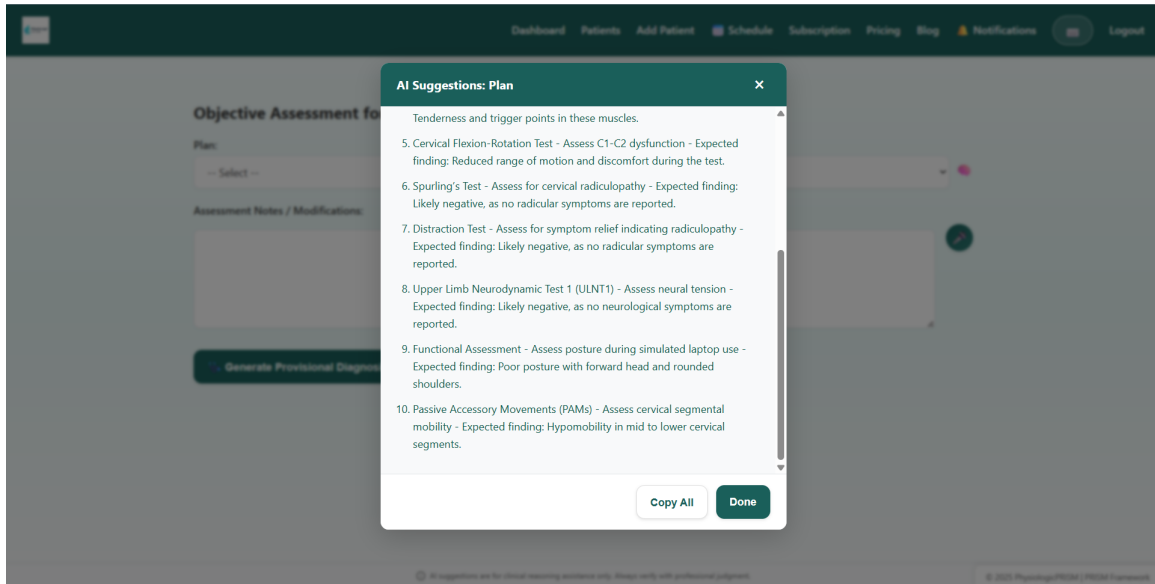
### Objective Assessment



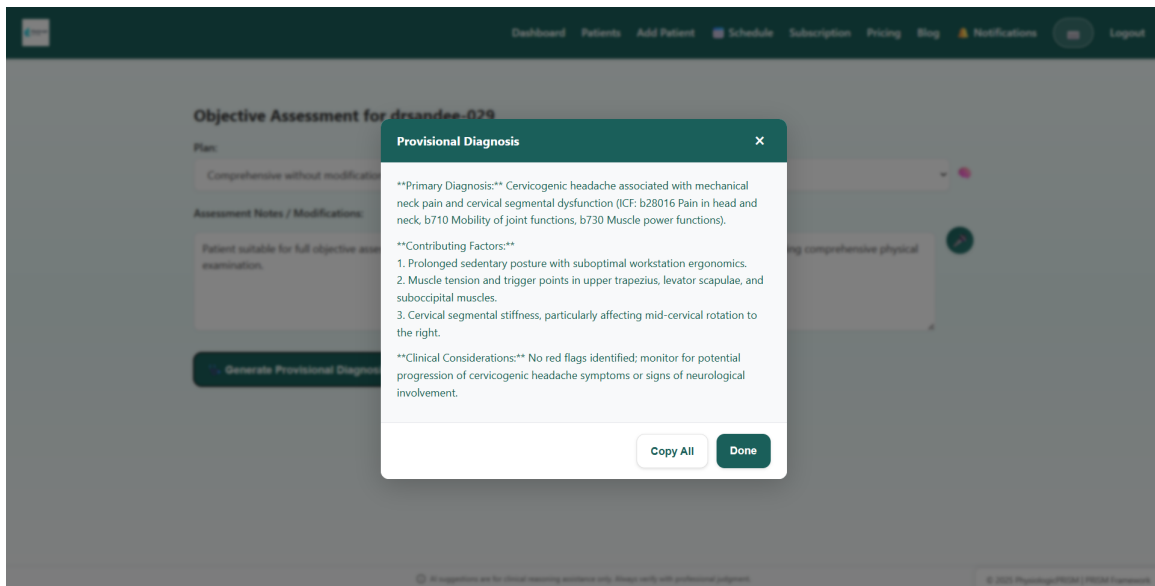
### Objective Assessment AI 1



### Objective Assessment AI 2



Objective Assessment Generate Diagnosis



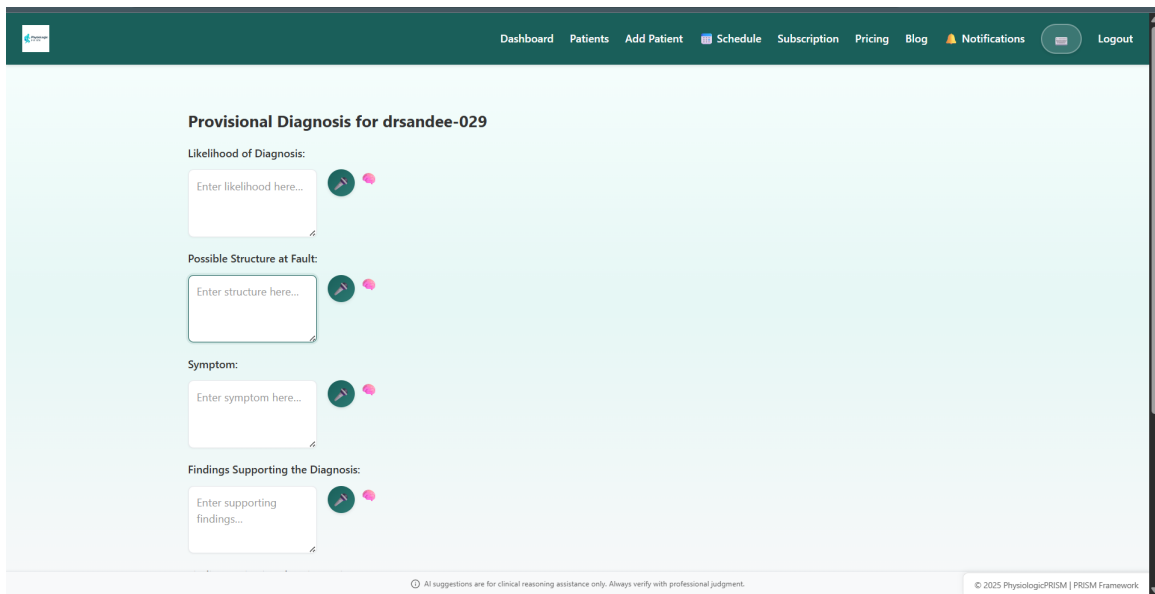
# Module 9: Provisional Diagnosis

Synthesizing all assessment data, clinicians document their primary diagnosis with ICF coding, contributing factors, clinical considerations, and differential diagnosis. AI assists in formulating comprehensive clinical impressions.

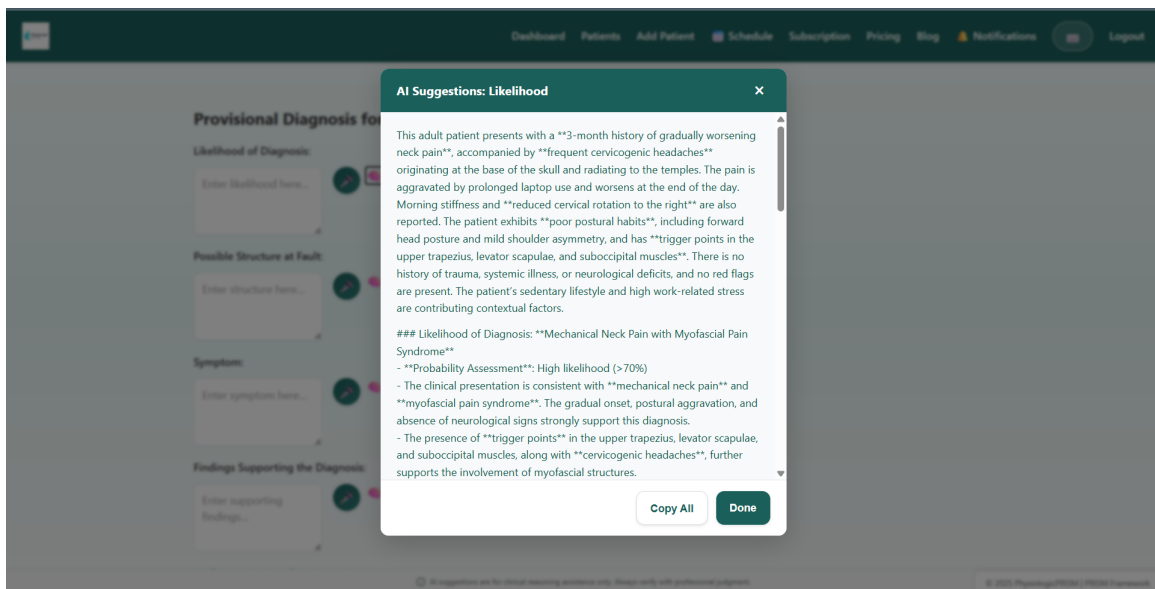
### Key Features:

- ICF-coded primary diagnosis
- Structured contributing factors analysis
- AI-generated differential diagnosis and clinical considerations

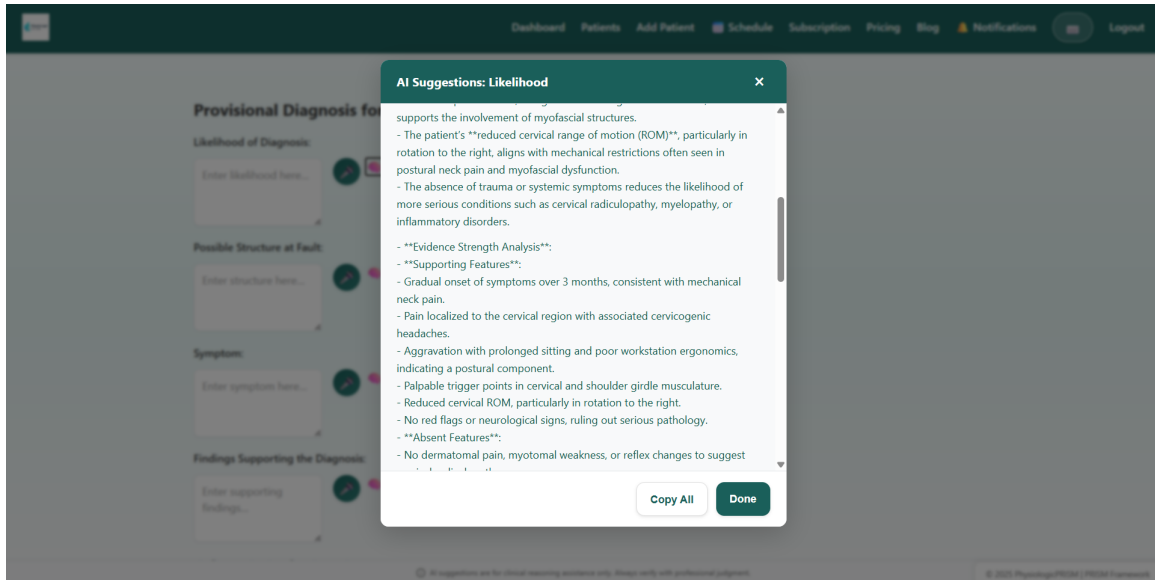
### Provisional Diagnosis 1



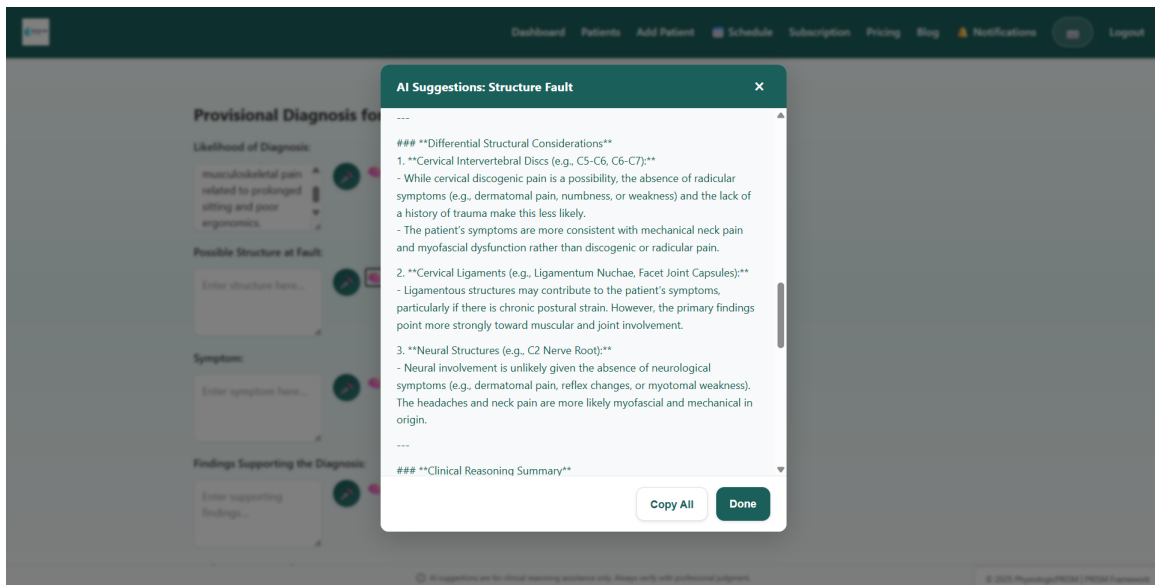
### Provisional Diagnosis AI 1



### Provisional Diagnosis AI 1.1



Provisional Diagnosis AI 2.4



(18 additional workflow screenshots available for this module)

# Module 10: SMART Goals

Evidence-based goal setting using the SMART framework (Specific, Measurable, Achievable, Relevant, Time-bound). AI suggests patient-centered goals based on the functional limitations and patient priorities identified earlier.

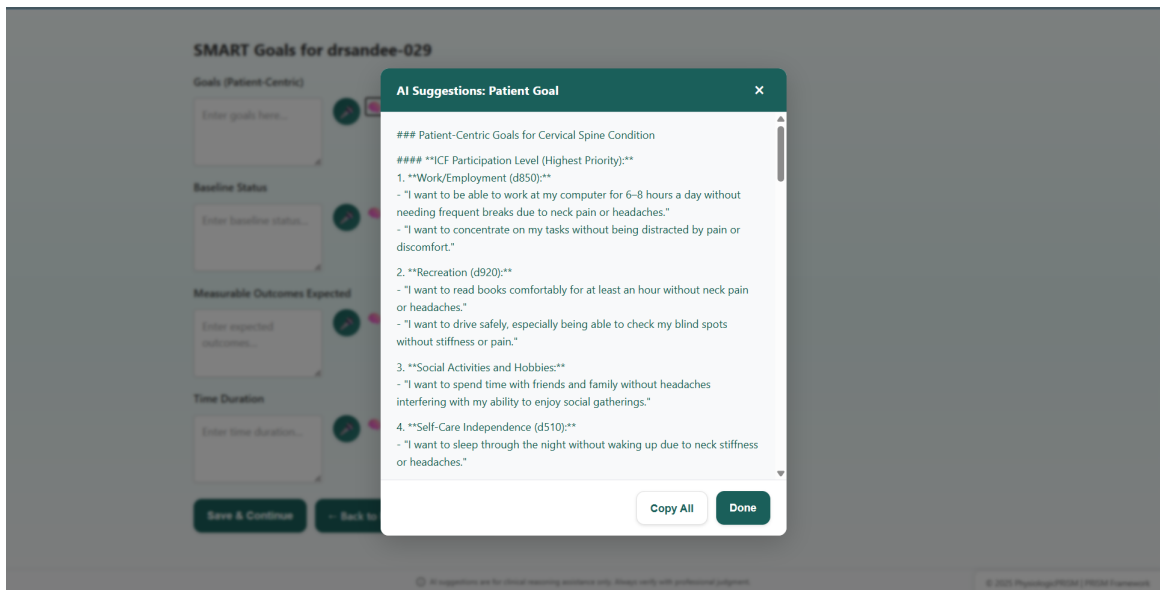
**Key Features:**

- SMART goal framework integration
- Patient-centered goal suggestions
- AI-powered goal generation aligned with ICF functioning data

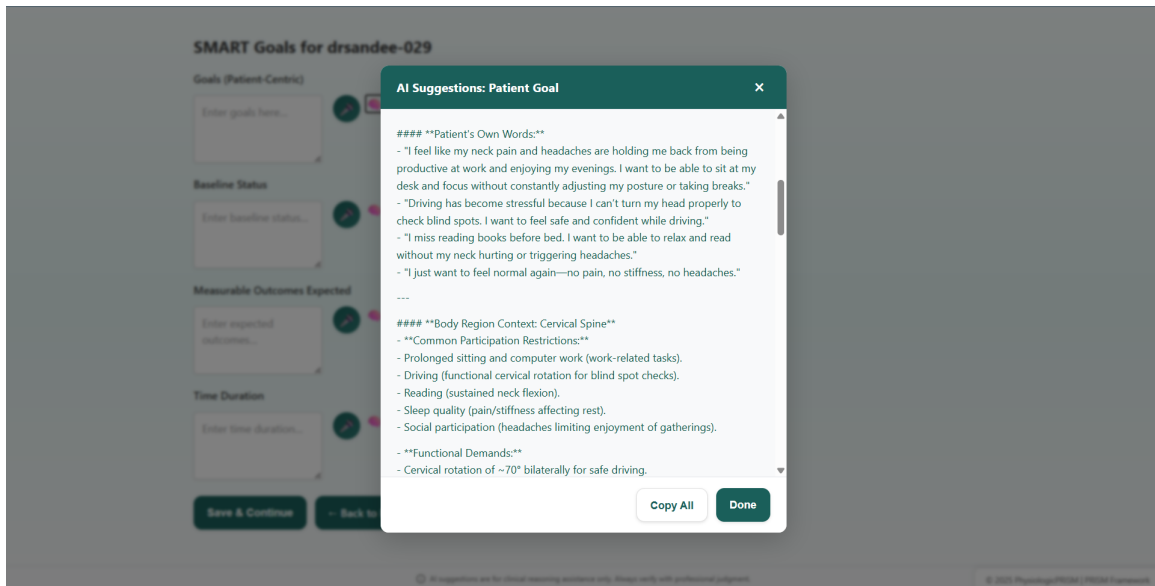
## SMART Goals



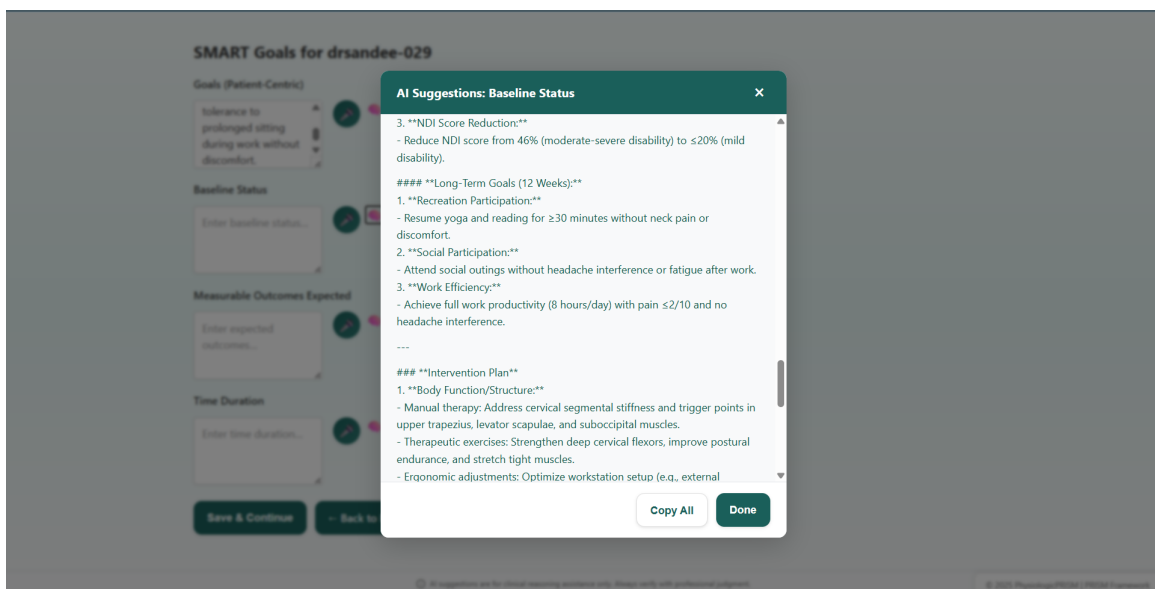
## SMART Goals AI 1



## SMART Goals AI 1.1



SMART Goals AI 2.8



(31 additional workflow screenshots available for this module)

# Module 11: Treatment Planning

Comprehensive treatment plan development including interventions, education strategies, home exercise programs, and progression criteria. AI provides evidence-based treatment recommendations.

## Key Features:

- Evidence-based intervention selection
- Structured patient education planning
- AI treatment recommendations based on diagnosis and goals

## Treatment Plan

**Treatment Plan for drsandee-029**

Treatment Plan:  
Enter treatment plan...  
Max 10000 characters

Goal Targeted:  
Enter the goal you're targeting...  
Max 5000 characters

Reasoning:  
Enter your clinical reasoning...  
Max 10000 characters

Reference (Article/Book/Literature):  
Enter references...  
Max 5000 characters

[Save & Complete Assessment](#) [Generate Summary](#) [Back to SMART Goals](#)

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## Treatment Plan AI 1

**Treatment Plan for drsandee-029**

**AI Suggestions: Treatment Plan**

**\*\*TREATMENT PLAN\*\***

**\*\*Provisional Diagnosis\*\***  
Chronic mechanical neck pain with cervicogenic headaches, likely associated with postural dysfunction and muscle imbalances due to prolonged sedentary behavior and suboptimal workstation ergonomics.

**\*\*ICF Framework Integration\*\***

- **\*\*Body Function Impairments\*\***: Reduced cervical range of motion (especially rotation to the right), muscle tension and trigger points in upper trapezius, levator scapulae, and suboccipitals, poor endurance of postural muscles, and cervicogenic headaches.
- **\*\*Activity Limitations\*\***: Difficulty maintaining prolonged sitting posture, reduced tolerance for sustained neck movements, and impaired ability to work at a computer for extended periods.
- **\*\*Participation Restrictions\*\***: Reduced productivity at work (d850) and limited engagement in recreational activities (d920).
- **\*\*Environmental/Personal Factors\*\***: Suboptimal workstation ergonomics, sedentary lifestyle, work-related stress, and lack of structured exercise routine.

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**### \*\*PHASE 1: Acute/Subacute Phase (Weeks 1-4)\*\***

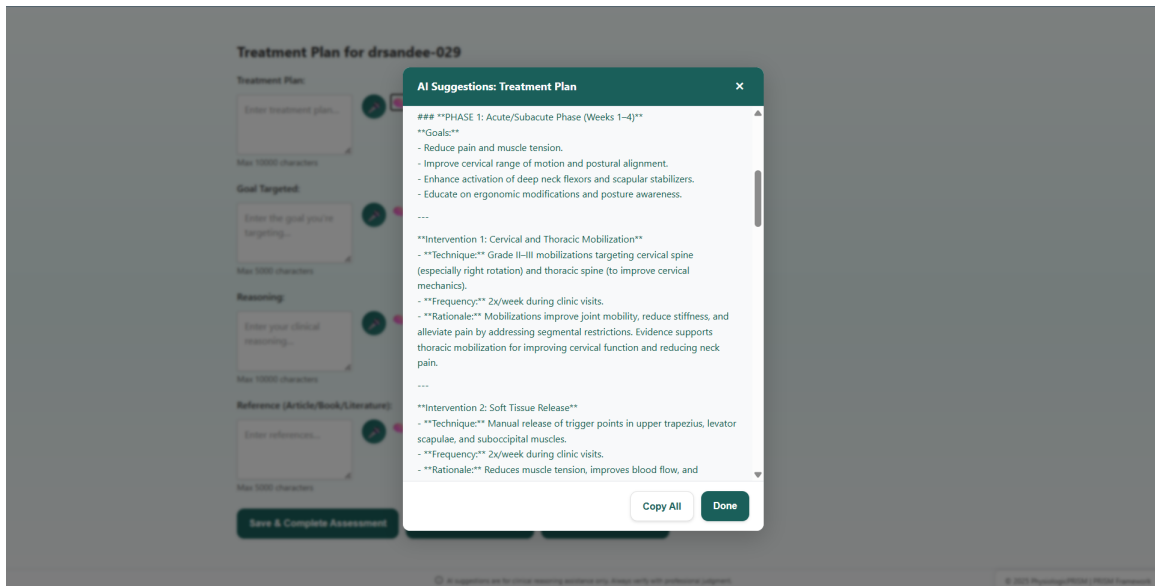
**\*\*Goals\*\***

- Reduce pain and muscle tension

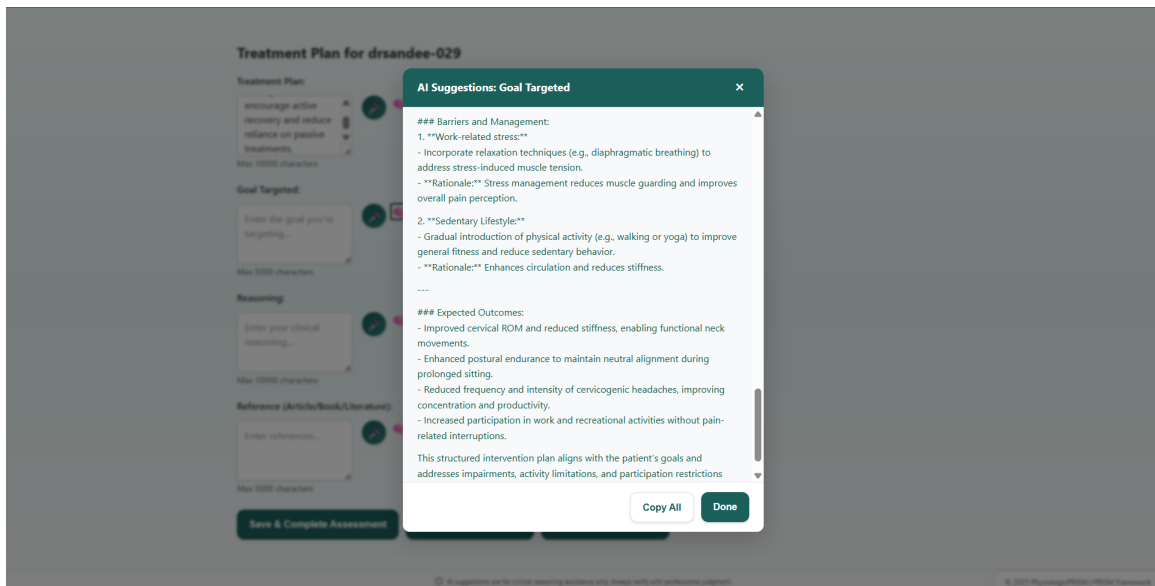
[Copy All](#) [Done](#)

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## Treatment Plan AI 1.1



Treatment Plan AI 2.4



(20 additional workflow screenshots available for this module)

# Module 12: Follow-up & Outcomes Tracking

Complete the clinical documentation cycle with structured follow-up planning and outcomes measurement. The system generates comprehensive PDF reports for patients, referrers, and insurance documentation.

## Key Features:

- Structured follow-up documentation
- Comprehensive PDF report generation
- Complete clinical reasoning documentation for legal defensibility

## Follow Up

**Follow-Up History for Riya Sharma (ID: drsande-030)**  
No follow-up records found for this patient.

**Add New Follow-Up**  
Session Number:   
Date:   
Grade of Achievement:   
Perception of Treatment:   
Feedback:   
Plan for Next Treatment:

[Schedule Next Follow-up](#)

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## Follow Up AI

**Follow-Up History for Riya Sharma (ID: drsande-030)**  
No follow-up records found for this patient.

**Add New Follow-Up**  
Session Number:   
Date:   
Grade of Achievement:   
Perception of Treatment:   
Feedback:   
Plan for Next Treatment:

[Schedule Next Follow-up](#)

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**AI Suggestions: Followup**

1. Progress the home exercise program by incorporating cervical strengthening exercises, focusing on deep neck flexor endurance and scapular stabilizer activation, to address postural imbalances.
2. Introduce ergonomic modifications, such as adjusting the laptop screen height and using a supportive chair, to reduce strain during prolonged sitting.
3. Add manual therapy techniques, such as cervical mobilizations or soft tissue release, to improve range of motion and reduce morning stiffness.
4. Educate the patient on stress management techniques, such as diaphragmatic breathing or mindfulness exercises, to address work-related stress contributing to muscle tension.

# Complete PRISM Workflow Summary

The PRISM framework guides physiotherapists through 12 comprehensive modules, ensuring complete clinical documentation from initial intake to ongoing outcomes tracking:

Module	Focus Area	Key Output
1	Present & Past History	Chief complaint, symptom behavior, medical screening
2	Pain Mechanisms	Nociceptive/neuropathic/nociplastic classification
3	ICF Functioning Assessment	Body structures, functions, activities, participation
4	Patient Perspectives	Illness perceptions (Common Sense Model)
5	Assessment Planning	Evidence-based test selection strategy
6	Chronic Disease Factors	Biopsychosocial maintenance factors
7	Clinical Flags	Red/yellow/blue/black/orange flag screening
8	Objective Examination	Physical examination findings
9	Provisional Diagnosis	ICF-coded diagnosis, differential diagnosis
10	SMART Goals	Patient-centered, measurable goals
11	Treatment Planning	Evidence-based intervention selection
12	Follow-up & Outcomes	Progress tracking, outcomes measurement

## Comprehensive PDF Report Output

Upon completing the PRISM workflow, the system generates a professional PDF report containing:

- Complete patient assessment findings across all 12 modules
- ICF-coded diagnosis with clinical reasoning documentation
- SMART goals aligned with patient priorities
- Evidence-based treatment plan with progression criteria
- Home exercise program and patient education materials
- Professional formatting suitable for patients, referrers, and insurance

This comprehensive documentation ensures clinical defensibility, supports continuity of care, and demonstrates adherence to best-practice guidelines endorsed by WCPT and other professional bodies.

**PhysiologicPRISM** — Structured Clinical Documentation for Physiotherapists

[www.physiologicprism.com](http://www.physiologicprism.com)