



NEW ERA Physical Therapy

THERE'S NOTHING LIKE THIS WITHIN 1,000 MILES !!!

NEW ERA Physical Therapy (NEPT)

ABOUT NEPT

NEPT is the first and the only Neuro-Rehabilitation Center in the Southwest that combines Gait Analysis (Objective Functional Evaluation) with Traditional Physical & Neuro-Rehabilitation for a Guided Therapy.

Currently, Physical Therapy and Gait Analysis are done in isolation. NEPT seeks to set a new standard where the use of Gait Analysis, Objective Functional Evaluation and Physical Therapy together becomes the norm.

Our goal is to improve functional outcomes and quality of life for individuals with any movement disorder at any age.

NEW ERA Physical Therapy (NEPT)



ABOUT NEPT

The goal of NEPT is to build a Physical Neuro-Rehabilitation & Industrial Health Services Complex to provide comprehensive services and individualized physical rehabilitation for patients and clients of all ages by the use of the following:

- Gait Analysis
- Objective Functional Evaluation
- Individualized Therapy

To achieve their maximum potential and highest functional level at the lowest possible cost.

NEW ERA Physical Therapy (NEPT)



NEPT MANAGEMENT TEAM

Dr. Nii Tetteh T. Addy is a board certified Family Physician in Carlsbad, NM for the past 11 years is licensed to practice in the state of New Mexico since 2004.

- He has spent the last six years in private practice under TADDY Healthcare Services.
- He has worked in both the hospital (in-patient) and clinic settings (out-patient) for six years.
- He works extensively with Project ECHO of the University of New Mexico in the areas of Primary Care, Hepatitis C and HIV Treatment and Addiction Psychiatry.
- He has successfully integrated Osteopathic Manipulation Therapy, Hepatitis C and HIV Treatments, Office Based Opioid Therapy (OBOT), Integrated Addiction Psychiatry (IAP) Treatment, Allergy & Immuno-Therapy and Medical Management of Obesity in his busy primary care setting.
- Dr. Addy is able to provide a complete and holistic approach to healing for his adult and pediatric patients of all ages.

Dr. Addy performs disability evaluations with New Mexico's Disability Determination Services (DDS). And he has the certifications to do the following:

- Department of Transportation (DOT) physicals
- Medical Review Officer (MRO)
- Office Based Opioid Therapy (OBOT)

As a result of his extensive experience, he realized he could make a far greater impact on the physical and neuro-rehabilitation of his patients by co-founding New Era Physical Therapy (NEPT).

NEPT MANAGEMENT TEAM CONTINUED

Dr. Stella Addy holds a degree in Pharmacy from Creighton University, Nebraska.

- She began her career as a Pharmacy Manager at the Artesia, NM, and Wal-Mart Pharmacy.
- She brings more than 6 years professional management experience to co-founding NEPT.
- She has practiced in a wide range of clinical environments including working as a Respiratory Therapist for several years in Los Angeles and Iowa areas.
- Stella has an accounting diploma from the University of Ghana, Legon and accounting training from University of Exeter, England.
- Her experiences have contributed to her understanding of legal, payer and regulatory information in the industry

NEPT- SERVICES WE OFFER

➤ Physical Rehabilitation

Movement Analysis/Evaluation :using

- . Gait Analysis
- . G-Walk
- . P-Walk

➤ Pediatric Rehabilitation

➤ Occupational Rehabilitation.

➤ Industrial Health Services.

Functional Capacity Evaluation:

Pre Offer Employment Testing

Post Employment Baseline (PEB)

➤ Physical & Neuro-Rehabilitation In A Virtual Environment.

➤ Objective Disability Evaluation.

➤ Fall Prevention & Rehabilitation.

➤ Water-Based Exercise Programs.

➤ Gait and Balance Training Parkinson's Disease, Movement Disorders.

NEPT- SERVICES WE OFFER



THE NEPT-IHS EQUIPMENT & SERVICES

The Industrial Health Services allows NEPT to provide laboratory diagnosis and physical examination and treatment. It has the following separate examination rooms:

- A hearing booth room
- A respiratory FIT room
- A diagnostic laboratory,
- A restroom that was designed and built to meet DOT specifications for urine drug screens.

- Diagnostic Laboratory:

- Laboratory drawing station with Clinical Laboratory Improvement Amendments (CLIA) Waived Equipment
- DOT and non-DOT urine drug screen
- Hair follicle testing
- Breath Alcohol Testing:

BTE EvalTech:

- Pre and Post Employment Evaluations
- Job Performance Analysis
- Task Simulation
- Return-to-Work
- Fit for Duty
- Disability Evaluation
- Functional Capacity Evaluation

•BTS Primus SR:

- Evaluation and rehabilitation after work related injury, etc.
- Workers Comp
- Functional Capacity Evaluation
- Task Simulation
- Orthopedic, Cardiac & Pulmonary Rehabilitation
- Maximum & Repetitive Lift Testing
- Consistency of Effort Testing
- Fit for Duty Testing

Pulmonary Functional Test (PFT) Equipment

Unique Equipment: OEP System BTS- Optoelectronic Plethysmography (OEP) System:

- is an innovative and non-effort dependent tool for pulmonary function tests for a wide range of lung diseases. It is the only tool available that can isolate the specific lung that is diseased.
- Stress Testing - EKG machine and treadmill
- Vaccinations - Most vaccines, including travel vaccines.

NEPT- BTE EVALTECH WORKFORCE SOLUTIONS



EVALTECH

NEPT- BTE PRIMUS SR



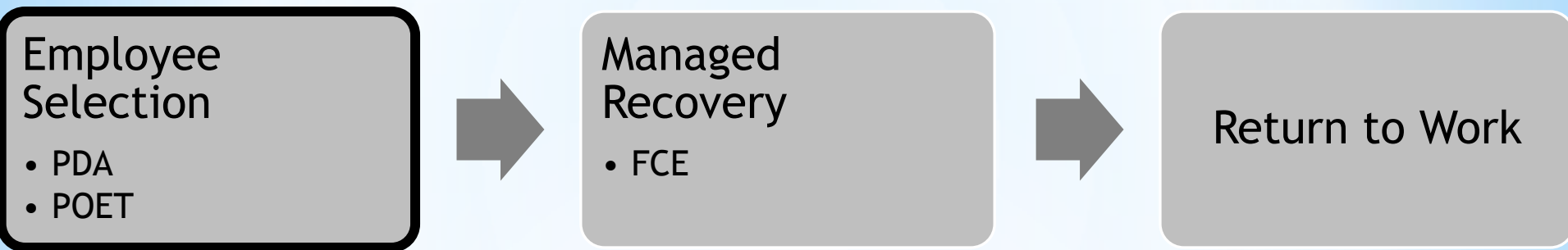
NEPT- BTE WORKFORCE SOLUTIONS

Our Approach to Pre-Employment & Return-To-Work Processes

NEPT follows a three-step process to support a company's policy for employee selection, management injury and recovery and the return of the employee to work safely. Types of tests we perform include, but are not limited to, the following:

- **Employee Selection** - Accurate Physical Demands Analysis (PDA) and Post Offer Employment Testing (POET).
- **Managed Recovery** - Functional Capacity Evaluation (FCE) used in conjunction with an EvalTech System to track recovery and progress.
- **Return to Work (RTW)**

NEPT- BTE EVALTECH EMPLOYEE SELECTION



Employee Selection

The comprehensive, post-offer screening includes:

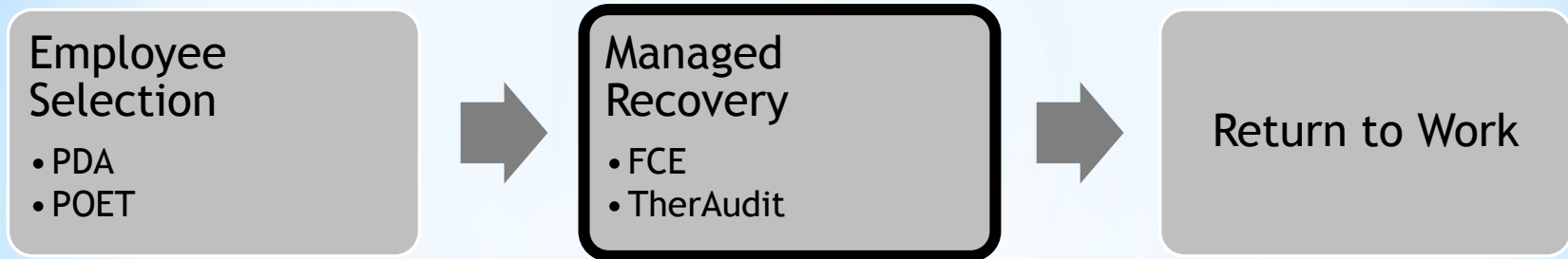
- Accurate clear PDA
- Establish Acceptable Criteria
- Physical Screening
- Standardized Objective Test
- Occupational and Job Specific Test

EMPLOYEE SELECTION-JOB DEMAND ACTIVITIES

- Carrying
- Pushing
- Pulling
- Bending
- Twisting
- Lifting
- Crouching
- Climbing
- Reaching
- Walking
- Sitting
- Standing



MANAGED RECOVERY



During an employee injury or disability does occur, it is important to quickly understand the degree of functional deficit, the impact to work performance and productivity, and the management of the timely return to work process.

- Obtain objective, reliable measurement of function following injury or disability.
- After the employee completes rehabilitation and therapy.
- Simulates the physical demands of the job.
- Perform a Functional Capacity Evaluation (FCE).
- Evaluate the employee's readiness for work post injury.

MANAGE RECOVERY

- **We** can objectively track the progress of physical and occupational therapy programs against the baseline measurement of the FCE.
- We can determine the earliest point at which the employee has reached the maximum functional recovery to do the required job.
- For employee not ready to return to work, we will use the details from the FCE to identify and target specific deficit areas which can be used to direct medical treatment and therapy.
- We can monitor the case and claims management of individuals who have time away from work or require documentation of residual function.

RETURN TO WORK



- Objective tracking of the progress of the injured or disabled employee during recovery.
- Determine their readiness to return to work.
- Provide job matching alternatives.

We can establish a **functional baseline** and **track functional recovery** at intervals during the course of recovery.

We can determine when an employee has reached the required physical demands of the job.

We can help expedite the return to work, determine when safe placement in modified or full work duty work can occur by assisting the following:

- The Physician or Provider
- Human Resources and Safety Departments
- Medical Claims
- Case Management

RETURN TO WORK SAMPLE REPORT

Mr. Bill Smith

Physical Demand	Job Task	Job Demand Level				Ability Demonstrated				Job Match			Comments & Observations
		OCC	FREQ	CONST	NF	OCC	FREQ	CONST	NF	YES	NO	MOD	
Carrying	mulch bags (lbs)	50				50				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 2 below
Lifting	cement blocks to shoulder height (lbs)	50				30				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Note 3 below
Hand Grip Strength	trimming shears ()	X				X				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 4 below
Reaching	pruning branches ()	X				X				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 5 below
Pushing	utility cart (lbs)	30				127				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 6 below
Pulling	utility cart (lbs)	30				128				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 7 below
Pulling	wheelbarrow (lbs)	40				254				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 8 below
Pushing	wheelbarrow (lbs)	50				37.5				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Note 9 below
Pushing	Shovel push with foot (lbs)	X				114				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note 10 below

Notes

- 1.Client met or exceeded job requirement.
- 2.Client met or exceeded job requirement.
- 3.An accommodation could be made by placing the 50 lbs. at waist height instead of at floor level. Doing so improves the ergonomic position of the lift.
- 4.Client met or exceeded job requirement.
- 5.Client met or exceeded job requirement.
- 6.Client met or exceeded job requirement.
- 7.Client met or exceeded job requirement.
- 8.Client met or exceeded job requirement.
- 9.Increase in low back pain reported
- 10.Client met or exceeded job requirement.

RETURN TO WORK SAMPLE REPORT CONTINUED

Mr. Bill Smith

Strength Tests

Test Name	Test Date	Left Peak Force (lbs)	Right Peak Force (lbs)	Left COV (%)	Right COV (%)	Left Avg. Force (lbs)	Right Avg. Force (lbs)	Combined Force (lbs)	Start HR (bpm)	End HR (bpm)	Max HR (bpm)	Pre-Post Pain Level (1 - 10)
Hand Grip - Three Trials in Position 4	2009-03-11 10:14:33	83.9	74.9	6.3	4.3	-	-	-	-	-	-	---
Hand Grip - Three Trials in Position 5	2009-03-11 10:25:36	65.0	68.0	5.0	3.7	-	-	-	-	-	-	---
Rapid Exchange Grip	2009-03-11 10:31:43	89.8	81.1	15.0	9.8	-	-	-	-	-	-	---
Hand Grip - Standard	2009-03-11 10:32:46	100.1	98.1	5.2	3.3	-	-	-	-	-	-	---
UTM Cart Push Test	2009-03-11 10:40:54	65.5	61.7	4.0	3.1	-	-	127.1	84	100	100	-- 4
UTM Cart Pull Test	2009-03-11 10:43:26	73.6	54.7	2.0	5.0	-	-	128.4	89	105	105	-- 4
Wheelbarrow Lift	2009-03-11 12:23:36	130.3	123.7	3.4	6.2	-	-	254.0	85	103	103	-- 4
Wheelbarrow Push	2009-03-11 12:30:19	-	-	11.2	7.4	14.5	23.1	37.5	108	108	120	-- 5
Shovel Push with Foot	2009-03-11 12:40:30	-	-	6.5	-	120.0	-	-	91	109	111	-- 4

WorkSim - Carry

Test Name	Test Date	Max Safe Weight	Final % APMHR	Max HR	Initial-Final HR	Final RPE	Test Time	Start Position	Lift Item	Number of Reps	Distance
Bilateral Carry	2009-03-11 11:48:08	50	71	145	88-121	5	135	Shelf	BTE Crate	5	40 ft

RETURN TO WORK SIMULATION SAMPLE REPORT

WorkSim - Lift

Test Name	Test Date	Max Safe Weight	Final % APMHR	Max HR	Initial-Final HR	Final RPE	Test Time	Start Position	Lift Item	Lift Item To	Number of Reps
Waist to Shoulder Occasional	2009-03-11 11:22:01	50	68	146	98-116	4	86	Lower Shelf	BTE Crate	Upper Shelf	5
Floor to Waist Occasional	2009-03-11 11:40:22	50	71	146	97-122	5	84	Floor	BTE Crate	Lower Shelf	5
Floor to Shoulder Occasional	2009-03-11 11:43:23	30	67	146	101-114	3	46	Floor	BTE Crate	Lower Shelf	3

WorkSim - FROM

Test Name	Test Date	MTM Score	Rating	Start HR	End HR	Max HR	Test Time	Number of Pegs	Number of Cycles	Number of Sets	Frequency
Positional Test - Axial Rotation - Occasional	2009-03-11 14:08:39	126	Above Competitive	-	110	130	273	15	4	1	Occasional
Positional Test - Kneeling to Standing to Kneeling - Occasional	2009-03-11 14:35:37	74	Entry Level	-	101	119	386	3	7	1	Occasional
Positional Test - Stooping Reach - Occasional	2009-03-11 14:42:34	98	Competitive	-	117	123	302	15	5	1	Occasional

NEPT- INDUSTRIAL HEALTH SERVICES

DR. ADDY - EXPERIENCE IN THE FIELD

NO.	Business Name	Date of Service	Services Provided
1	State of New Mexico Disability Determination Services (DDS)	01/16 -Present	Disability Evaluation
2	Carlsbad Municipal Schools	01/16 - Present	Urine Drug Screen
3	WIPP Health Services	2014	Basic WIPP Physicals
4	City of Carlsbad -Fire Department	02/16 - Present	Annual Physical, Mask Fitting, Breath Alcohol Tests

NEPT- INDUSTRIAL HEALTH SERVICES

Staff Background - Technical Training & Experience

No.	Staff Member	Employer	Service Provided
1	Dr. Addy	NEPT	Eval Tech
2	John Garcia	NEPT	Eval Tech Primus SR Work Saver
3	Jenny Garcia	NEPT	Eval Tech Primus SR Work Saver
4	Leslie Sandate	NEPT Carlsbad Medical Center	Lab Services, Urine Drug Screens, Vision & Hearing Screening, Breath Alcohol Tests, Mask Fitting, PFT

NEPT- INDUSTRIAL HEALTH SERVICES

Some of Our Clients

Business Name	Date of Service	Services Provided
State of New Mexico Disability Determination Services (DDS)	01/16 -Present	Disability Evaluation
Carlsbad Municipal Schools	01/16 - Present	Urine Drug Screen
City of Carlsbad -Fire Department	02/16 - Present	Annual Physical, Mask Fitting, Breath Alcohol Tests
Patriot Drilling	12/15 -Present	Urine Drug Screens, Hair Follicle Testing
Pipeline Testing Consortium, Inc	12/15 -Present	

THE NEPT- INDUSTRIAL HEALTH SERVICES

SUMMARY

The NEPT – BTE Workforce Solutions helps employers to save money, protect the workforce and successfully eliminate worker's compensation fraud and abuse in the following ways:

- **Identifies individuals** who do not meet job specific strengths to eliminate a high risk of injury.
- Provides employers with a capable/not capable recommendation.
- Appropriately matches current and new employees to the physical demands of their jobs and helps protect employee health.
- Substantiates legitimate injuries and discourages fraudulent claims.
- Reduces employee turnover.
- Expedites injured employees return to work.
- Provides objective post injury management.

COMPLEMENTARY PROGRAMS:

We obtain the objectively the Baseline Movement Analysis and Functional Evaluation:

- Gait Lab
- G-Walk
- P-Walk
- Primus SR
- EvalTech

The report generated Pin-Points Vital Information about the Functional Impairment.

The report also forms the basis for a Gait Analysis Guided Treatment.

Gait Evaluation & Return to Work

- To know the level of functional limitation.
- To Assess disability and the extent.
- To follow the evolution of disease
- To Assess the effectiveness of Rehabilitation.

THE NEPT MOTION ANALYSIS - THERAPY CENTER

HOW DATA IS REPORTED:

- Data generated is reported in four groups.
- Temporal-Spatial Parameters:
 - Walking Speed.
 - Stride length
 - Stance phase
 - Swing Phase
- Kinematics Data:
 - Joint Angles, ROM.
 - Pelvis, Hips, Knees, Ankles.
- Kinetics Data: Forces Involved in walking. (ground reaction force)
- EMG Data: Muscle Activity.



NEPT - BTS COMPLETE SOLUTION FOR WALKING ANALYSIS



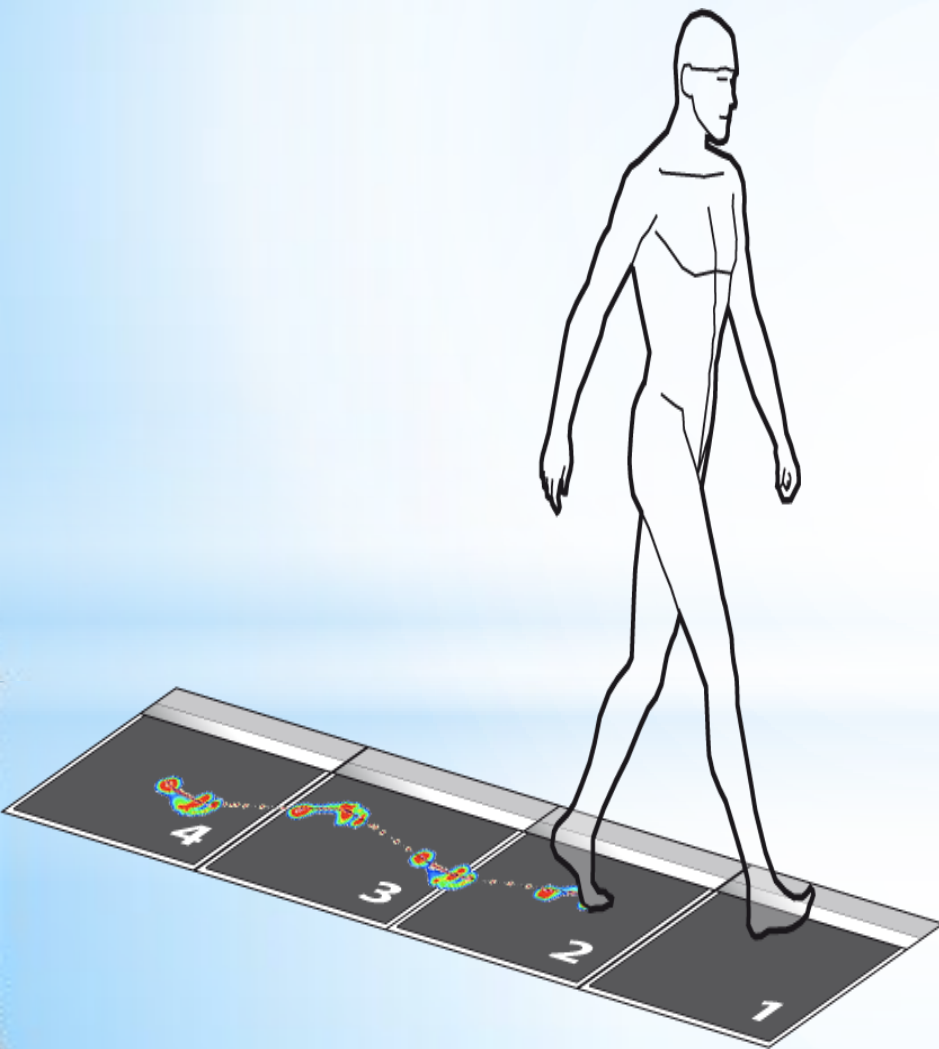
- Parkinson Disease.

- Detect fall risk in the elderly.

- Orthopedics application.

- Orthotics & Prosthesis Application.

NEPT-BTS: P- WALK



- Foot pressure distribution (Diabetic Foot)
- Type of foot
- Gait parameters
- Parkinson's Disease
- Fall Risk

NEPT-BIODEX FREE SUPPORTED AMBULATED SYSTEM (SAS)



FEATURES

- Provides Patient Support During Rehab Activities:
 - Sit-to-Stand Over Ground, Treadmill Walking Climbing and Descending Stairs
 - Balance Training.- Aquatic Therapy
- Minimizes Fear of Falling That Inhibits Patient Effort³⁴

THE NEPT- INDUSTRIAL HEALTH SERVICES-CONCLUSION

The unique combination of the systems that we have

- Our facility, our equipment,
- Our objective evaluations and protocols, and
- Our staff experience - cannot be found at other local providers.
-

We encourage and welcome you to tour our facility at your earliest convenience.

SPECIAL ACKNOWLEDGEMENTS

- **Larry Coalson, MBA, CFP, Accounting & Tax Services LLC**
- **Andrea Holling, Innovation Director, NM Manufacturing Extension Partnership Information**



NEW ERA Physical Therapy

Hours:

- Monday : 7am-6pm
- Friday : 7am-12pm

Contact US:

Website: www.nept.us

Telephone: 575-200-3465

Fax: 575-200-3470

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