

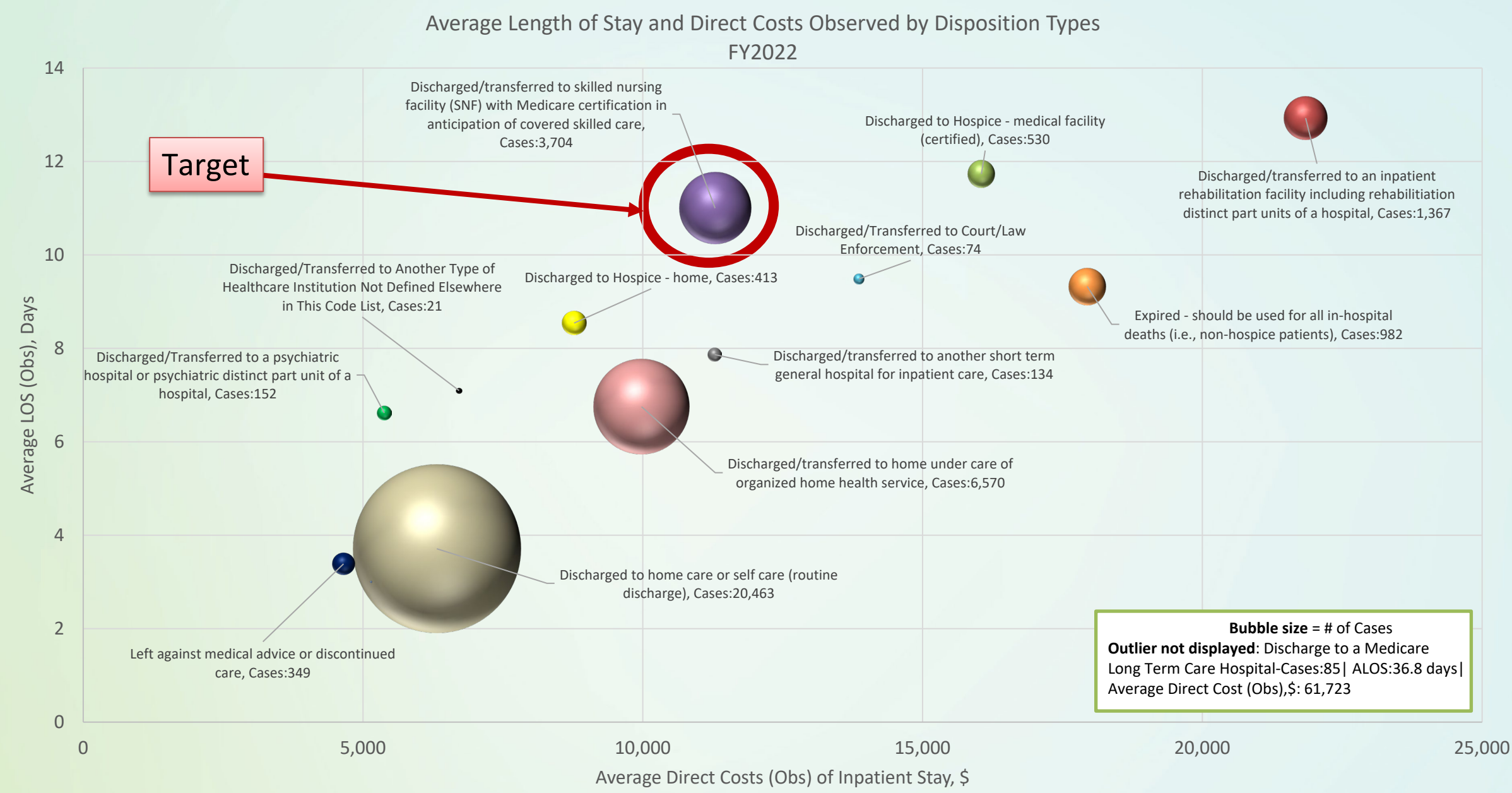
Using the CDB to Drive Performance in Value-Based Care

Matthew McCambridge, MD, MHQS, CPHQ, CPPS, Chief Quality and Patient Safety Officer, Michele Hartzell, PA-C, MBA, CPHQ, Assistant Chief Quality and Patient Safety Officer, Melissa Visco, PT, DPT, Clinical Quality Specialist

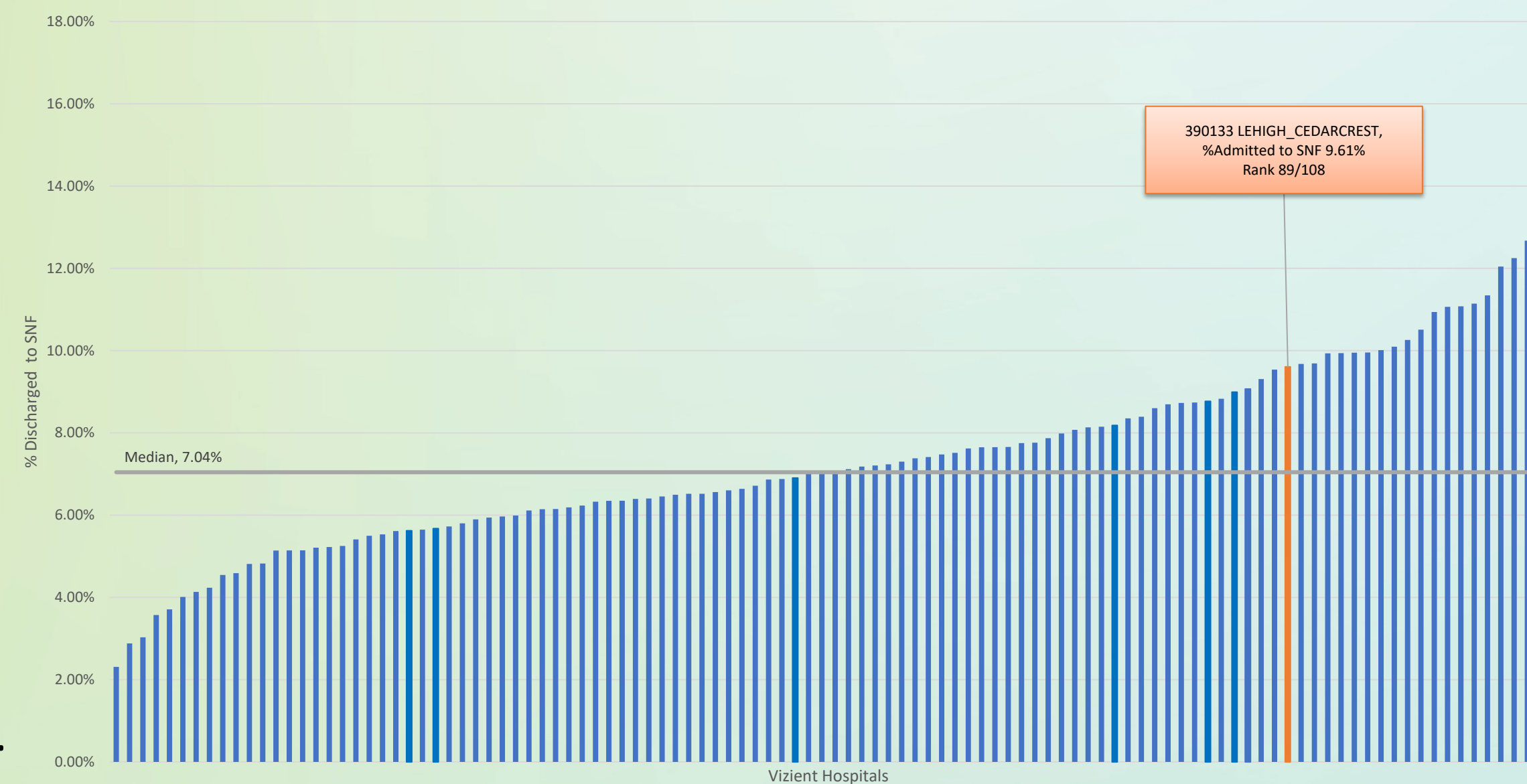
Lehigh Valley Health Network, Allentown, Pennsylvania

Overview:

- Analyze factors affecting value-based reimbursement.
- Use the Clinical Data Base (CDB) to analyze length of stay (LOS), direct costs and discharge disposition.
- Regression analysis identifies decreased mobility as contributor to LOS.
- Discharge to SNF was higher than AMC median.
- Leverage rehab and mobility to reduce LOS.



% of Patients Discharged to SNF (not admitted from SNF)
Lehigh Cedar Crest vs Vizient AMCs
FY2022



	Patient Population Receiving PT & OT	
Cedar Crest Hospital	FY 22 January – June	FY 23 January – June
Discharged to Home	41.8%	42.4%
Discharged to SNF	15.6%	15.3%
Mean Days PT & OT Used per case/ Observed LOS, Discharged to Home	43.7%	46.1%
Mean Days PT & OT Used per case/ Observed LOS, Discharged to SNF	38.2%	41.9%

Learning Objectives:

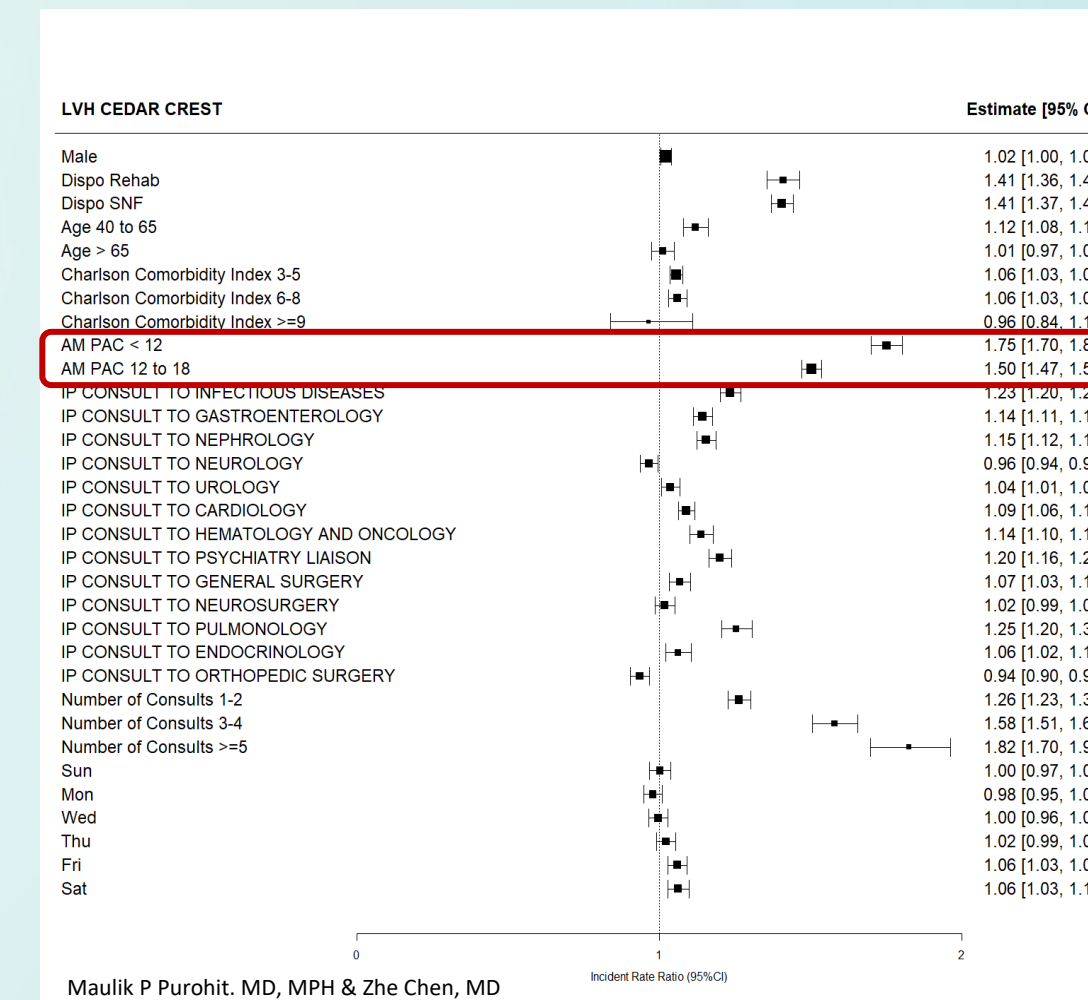
- Explain successful methods for analyzing factors that affect value-based reimbursement.
- Discuss how to evaluate the overall utilization of PT and OT with all admitted patients to improve discharge disposition to home.
- Outline process steps that can be used to create a mobility trial.

Key Takeaways:

- Multi-disciplinary team is essential.
- Engage an executive project sponsor.
- Create realistic goals.
- Keep roles and responsibilities clearly defined.
- Visible leadership helps staff engagement.
- Follow up with rapid improvement team to continuously identify barriers and countermeasures.

Lessons Learned:

- Try to keep mobility tech assigned to mobility only.
- Visibility of the mobility score and matching target activities in EMR helps staff set mobility goals.
- Utilize rehab for patients with lower mobility scores.



Process Steps to Create a Mobility Trial

Rapid Improvement Event (RIE)

- Define the problem and scope of work (use structured process improvement)
- Ensure resources to operationalize and coordinate mobility interventions
- Gather multi-disciplinary team
- Set overall project goals
- Determine which mobility measure to use
- Determine frequency of documentation of mobility measure
- Determine patient mobility goals for mobility measure scores
- Research current literature to guide decision making process

Initiate Mobility Trial

Follow Up After Rapid Improvement Event

- Convene a subset of members from the RIE to meet at a regular cadence
- Document barriers and countermeasures
- Embed and optimize visualization for mobility score and goals in EMR
- Education for all FTEs by rehab on mobility score and patient mobility goals
- Communicate mobility scores at daily nursing huddles, care progression rounds
- Communicate mobility goals between all staff: rehab, nursing, mobility tech
- Create a shared accountability tool with patient and staff
- Make mobility goals visible to staff, patient, family
- Gather data for post-trial analysis

RIE Led by: Nikki Alderfer, MSN, RN, Christopher J Kita, MEd, LSSBB, Ryan Vetter, MS, OTR/L, FACHE

LOS decreased by 0.5 days on two hospital units over the mobility trial period of three months

References:

Warren, M., Knecht, J., Verheijde, J., Tompkins, J. (2021). Association of AM-PAC "6-Clicks" Basic Mobility and Daily Activity Scores With Discharge Destination. *Phys Ther Apr 4*; 101(4):pzab043. doi: 10.1093/ptj/pzab043.

Capo-Lugo, C., McLaughlin, K.H., Bingqing, Y., Daley, K., Young, D., Lavezza, A., Friedman, M., Hoyer, E. H. (2021). Using Nursing Assessments of Mobility and Activity to Prioritize Patients Most Likely to Need Rehabilitation Services. *Arch Phys Med Rehabil Apr 5*; S0003-9993(23)00186-7. doi: 10.1016/j.apmr.2023.03.018.

Contact information: Melissa.Visco@lvhn.org

Speaker Disclosure: No one in a position to control the content of this educational activity has relevant financial relationships with ineligible companies.