Executive Summary

Medalogix was established in 2011 to align post acute providers with emerging requirements of acute facilities to reduce readmissions and changing payment models in healthcare.   We developed proprietary predictive analytics technology to address these encroaching challenges and have broadened our predictive product offerings into hospice transference, workflow optimization, BPCI stratification, among others. Medalogix has pioneered several highly effective home care, skilled nursing, hospice and oncology. Our longest deployed home health model has helped reduce the average rate of 30-day hospital readmissions by nearly 36 percent.

Where analytics platforms present patterns in historical data, predictive technology applies historically predictive factors to current patients to inform and empower current clinical decisions. The Journal of American Medicine, the Journal of Epidemiology, and the American Heart Association recognize predictive analytics as a valuable clinical decision support tool when producing accuracy over 70%. Medalogix well exceeds this accuracy by designing individual predictive models for each facility of an organization. Measuring the predictive value of each clinical data point in the context of the care has allowed Medalogix to stratify patients by their both their individual and organizational risk for rehospitalization. This granularity is central in enabling accuracy Medalogix models deliver.

With over 60 installs of our predictive technology in the field, we are seeing impressive results for our clients. For example:

Readmission Stratification:
- 37.9% reduction in 30 day readmission among clients
- 47.9% reduction in Medicare Low Utilization Adjustments (LUPA)
- 20.8% increase in referral volume post deployment

Hospice Transference:
- 89.0% increase in the number of hospice screenings
- 19.9% increase in the number of clinically appropriate hospice candidates identified
- 12.6% increase in the number of transfers from Home Health to the Hospice Census

Workflow/IVR/BI:
We equip clinicians to act on their unique predictive analytics utilizing:

- **Medalogix IVR**—designated users can schedule automated, personalized check-in calls to communicate with patients. When responses are concerning, Medalogix alerts clinicians for follow-up.
- **Medalogix Workflow**—designated administrators can manage patients' transitions throughout their continuum of care, including episodes and care venue.
- **Medalogix Insight** - an integrated command center that provides real-time visibility into an organization's progress toward meeting clinical and business objectives and return on investment.

To externally validate the efficacy of our tool we recently contracted with a PhD Data Scientist at Vanderbilt Medical Center in Nashville, to design a peer reviewed study of our model. Her conclusion was that, "**Overall, the Medalogix General Transfer Model was found to be highly predictive, robust and stable, with an area under the ROC Curve of .761**."

As reform, patient populations, and technology transform healthcare, post acute organizations are partnering with Medalogix to improve their clinical and business decisions. The only way to achieve better outcomes is to unlock the clinical insights in the historical data. This is what Medalogix has created.