

Retention of Critical Skill Employees - Healthcare System Case

Facing a highly competitive labor market, a healthcare provider must better understand the nature of voluntary turnover among its critical skill employees.

The Healthcare Client
<ul style="list-style-type: none">• A Midwest healthcare provider is one of the largest non-profit organizations in the U.S. and is comprised of a regional network of hospitals and clinics<ul style="list-style-type: none">– 13 hospitals plus multiple community health locations– Services include inpatient and outpatient care, primary care, community health and wellness, workplace health, home health, community mental health, rehabilitation, long-term care and hospice– Net revenue of over \$2.5 billion with approximately 4,500 licensed beds– Over 25,000 employees• Competition for critical skill employees (e.g. emergency room nurses, technicians) is increasing rapidly as the supply of qualified employees is unable to keep pace with growing the demand for services• Therefore, part of Client's HR retention strategy is to develop an early warning diagnostic (i.e., highly predictive model) to identify both individuals and organizational units that are at high risk of voluntary terminations

Featured Client Case # 24 Healthcare Retention
<p>① Project</p> <ul style="list-style-type: none">• Assess voluntary turnover among critical skill healthcare employees
<p>② Approach</p> <ul style="list-style-type: none">• Predict individual-level turnover and profile high-risk cost centers
<p>③ Analytic Results</p> <ul style="list-style-type: none">• Position in range (PIR) is the dominant predictor of voluntary turnover
<p>④ Recommendations</p> <ul style="list-style-type: none">• Testing new rewards elements will enable Client to understand impact on turnover

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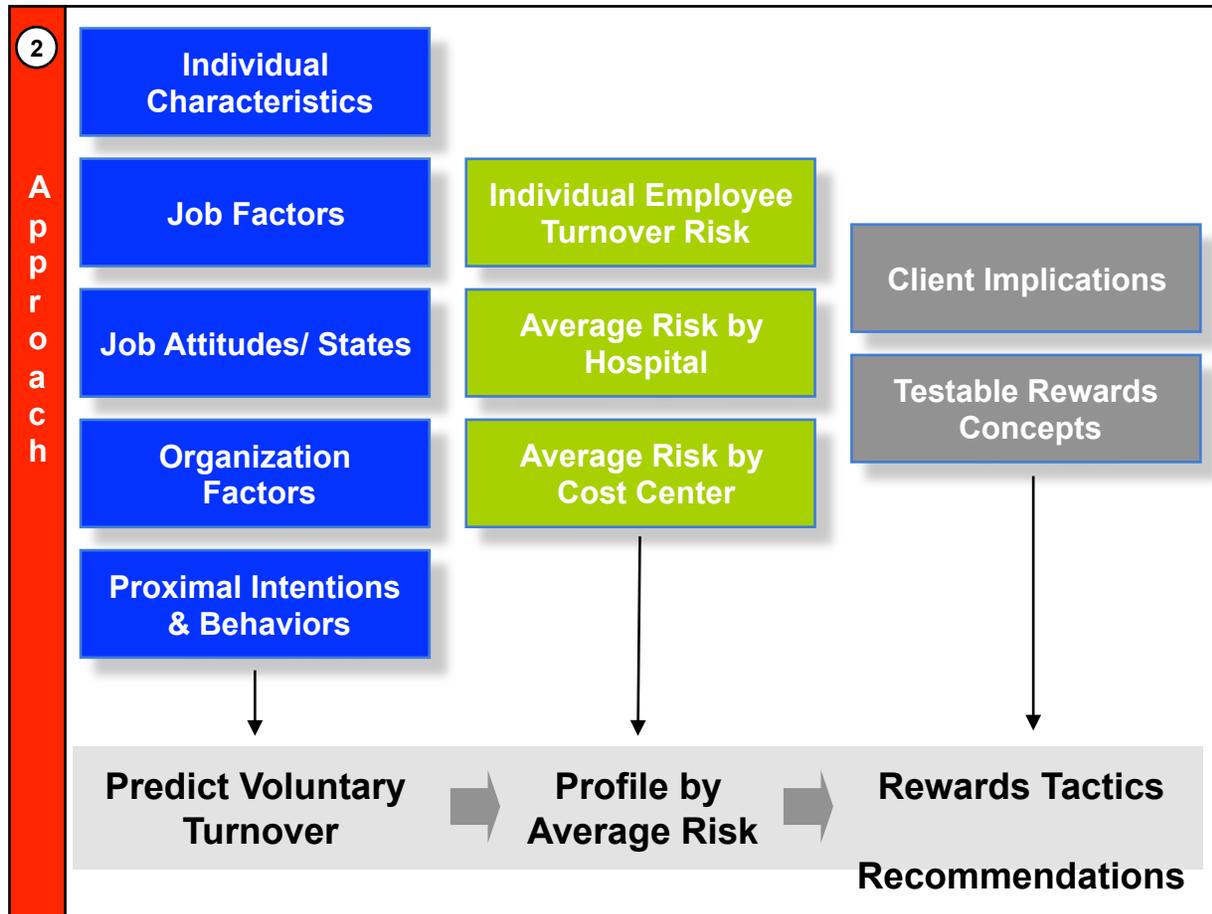
We first focused our attention on identifying key drivers of individual-level turnover, then we expanded our investigation to cost centers within the system.

P r o j e c t	1	<ul style="list-style-type: none">• Client project was designed to address four objectives<ul style="list-style-type: none">– Determine key drivers of turnover (special focus on critical skill employees) and predict risk of leaving for individual employees– Identify high risk locations and cost centers– Profile these high risk locations and cost centers to better understand the characteristics of the working conditions, job functions, and demographics– Develop recommendations for new rewards tactics to test that will mitigate turnover among critical skill employees
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At the most basic level, we analyzed a variety of variables that included employee characteristics and behavior as well as job and organizational factors.



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3 Analytic Results

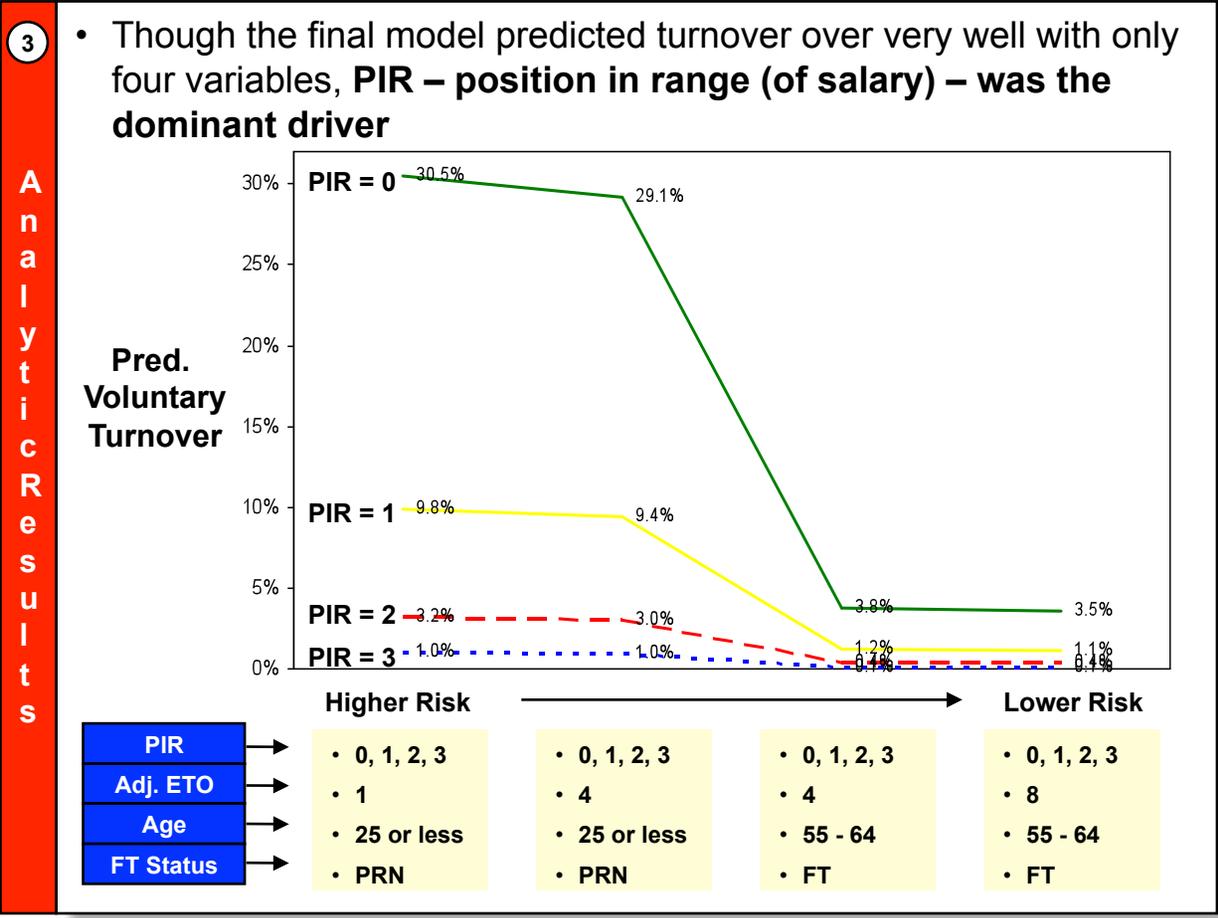
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With only four variables – i.e. position in range of salary (PIR), adjusted earned time off (ETO), age, and employment status – we were able to predict voluntary turnover with a very high degree of efficiency.¹



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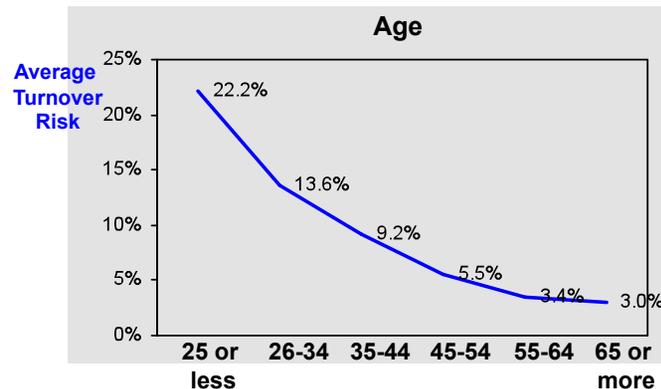
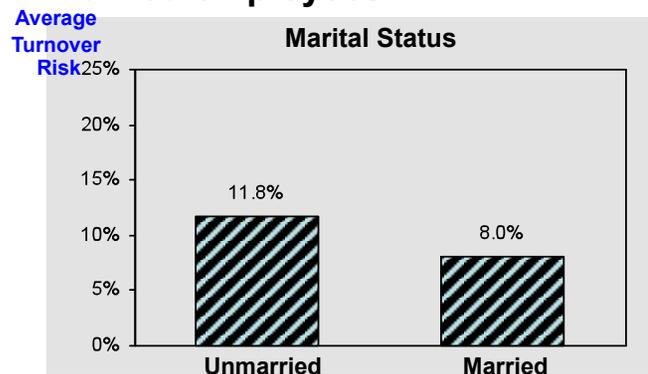
¹We predicted turnover with a c statistic (explained variance) of .84.

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Deeper analysis revealed that some differences existed across employee demographics, e.g. family status, age, gender, race.

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- Marital status and age analysis indicated that younger and unmarried employees are far more likely to leave than older, married employees



Analytic Results

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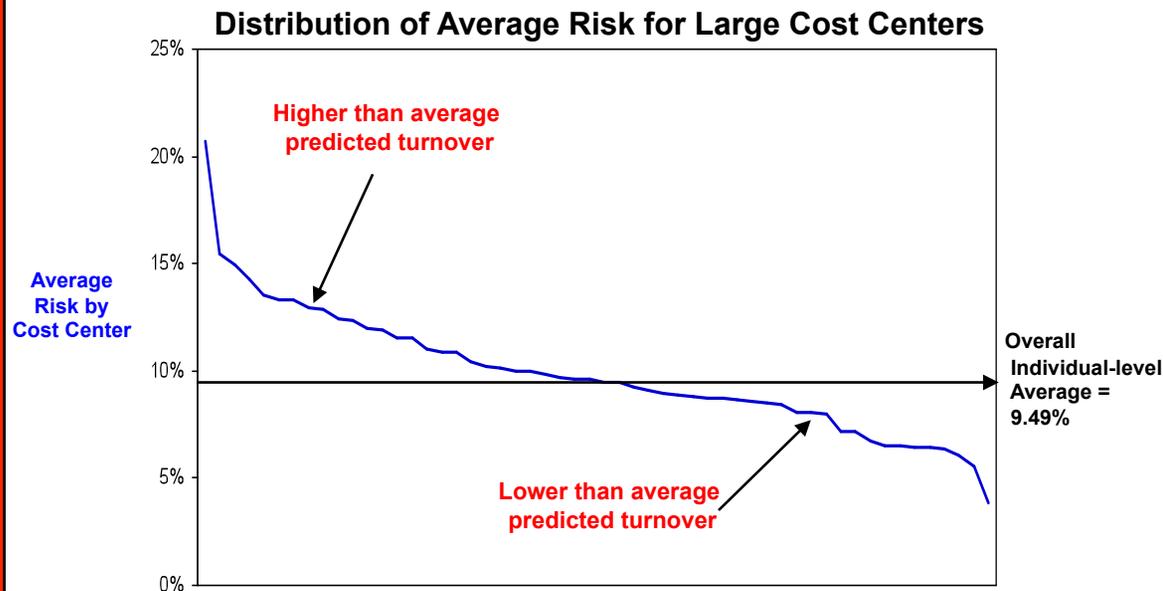
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Aggregating turnover risk at the cost center level signaled that some cost centers are higher risk than others ... the spread was approximately 4% to 21%.

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- Before looking more closely at cost centers, we simplistically divided the “world” into those with **above average risk** and those with **below average risk** of turnover



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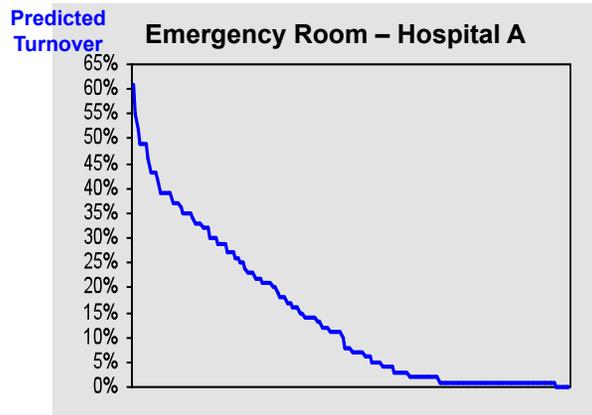
We then profiled the cost centers to better understand how they compared to other high risk and low risk centers.

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- Cost centers with **above average turnover require further investigation** to better understand both the **“WHO and the WHY”** it is high risk

Analytic Results

Predicted Voluntary Turnover – Profile of High-risk Cost Center



Avg. predicted turnover = 14.3%
No. of employees = 195

Full-time Status	• 26.7% PT • 53.8% FT • 19.5% PRN	Previous Leave of Absence	• 65.1% No • 34.9% Yes
Sex	• 17.9% Males • 82.1% Females	Avg. Age	• 38.9 years
Avg. Adj. Earned Time Off	• 3.82	Avg. Position in Range	• 4.28
Job Title Examples	• Aide, Nurse/orderly • LPN, IV Cert • Nurse, staff • Paramedic		• Practitioner, Nurse (PRN, PT) • Supv., nursing • Tech, patient care • Technologist, med imaging

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We developed recommendations that would position the Client for fully testing how new rewards elements would influence voluntary turnover behavior.

R e c o m m e n d a t i o n s	4	<ul style="list-style-type: none"> • Recommendations for testing included, for example:
	Category Label	Implications for Formal Testing
	<ul style="list-style-type: none"> • Pay (Rewards/Recognition) 	<ul style="list-style-type: none"> • While external market analysis provides the actual benchmarks, XYZ should consider testing employees' perceptions of "fair pay" and identifying pay-benefits equivalents, e.g. <ul style="list-style-type: none"> – 10% above competitive market pay with no input in decision making – 10% below competitive market pay with input in decision making
	<ul style="list-style-type: none"> • PIR 	<ul style="list-style-type: none"> • Need to better understand how an employee's PIR affects their perceptions of themselves, expected future employment, etc.
	<ul style="list-style-type: none"> • Adjusted ETO 	<ul style="list-style-type: none"> • Need to better understand how an employee's ETO accrual relative to cohorts affects perceptions, future employment, etc.
	<ul style="list-style-type: none"> • Benefits (Rewards/Recognition) 	<ul style="list-style-type: none"> • Similar to pay, this is an opportunity to better understand employees' desire for and perceptions of benefits
	<ul style="list-style-type: none"> • Age (Demographics) • Employment Status 	<ul style="list-style-type: none"> • While this is not "testable" in and of itself, we may want to sample a disproportionate number of younger employees (i.e. ones who are at a higher risk of leaving) • Similar to age, it is not testable per se, but we may want to sample a larger proportion of employees who are higher risk (i.e. PT and PRN) and measure behavioral differences

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