Consequences of Centralizing Hiring at a Retail Chain

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Many executives consider that employee selection is a key mechanism to align employees to company goals

Google

The Container Store
The Original Storage and Organization Store*



Research Partner Large retail chain operating small format stores in multiple states in the U.S. Switched from a completely decentralized hiring system to centralized hiring in a staggered manner over several years. **stores** switching** **Note: Illustrative graph, not reflecting exact pattern (due to lack of access to all data)

Research Questions

- 1) What are the main effects of switching from decentralized to centralized hiring on employee turnover and store performance?
- 2) What store-specific factors influence these effects?

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What Store-Specific Factors Could Lead to Different Effects of Centralized Hiring on Turnover and Performance?

Effect of Centralized Hiring We set out to test whether the benefits exceeded the costs of centralized hiring... **Benefits of Centralized Hiring Costs of Centralized Hiring** ✓ May neglect store manager's knowledge √ Selection of employees of local customers and team needs consistently aligned with corporate standards & values √ Potential loss of store manager ✓ Hiring efficiency & expertise commitment to support new hire HARVARD | BUSINESS | SCHOOL

Centralized Hiring Could Have a Positive Effect Where There Are Greater Potential Gains From....

...Alignment

- Stores where performance can be enhanced Relevance of brand standards: through company standards
- · Geographically distant stores that could be better aligned to company goals

...Efficiencies

• Offload hiring from managers operating busy stores

Measures Used

- Corr(store's sales, mystery shopper scores)
- Distance to headquarters: Distance between HQ & store
- **Busy Operations:** Monthly store sales/labor hrs

Centralized Hiring Could Have a Negative Effect Where ...

...Store Managers Are Likely to Have an Informational Advantage Relative to the Head Office

- Stores operating in divergent markets
- Stores with long term customer relations including
 - repeat customers, and
 - service-sensitive customers
- Stores where the manager knows the team well

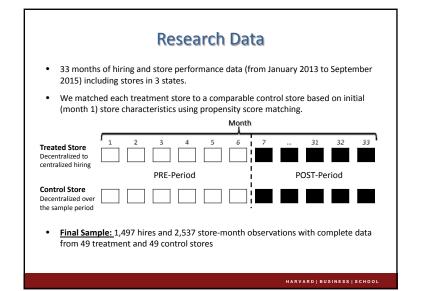
Measures Used

- Market Divergence:
 Difference between store location's
 demographics* and the chain's average
- Repeat Customers:

 1 if store is located in rural area, at least 2 miles away from a highway exit
- Service-sensitive Customers:
- = 1 if store is located in high income area (top quartile PCI in the chain)
- Store Manager Knows Team:
- = 1 if the store manager had been at the store 16+ months

*Demographics included: Population density, income, age, ethnicity (% whites), and household size

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Regression Models

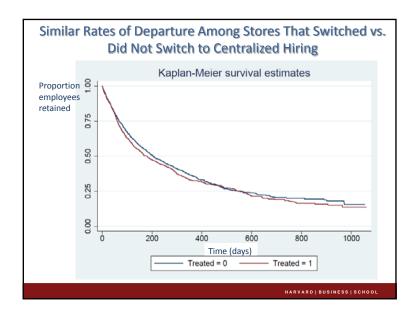
Test of the overall effect of switch to centralized hiring (treated)

Outcome = $\beta_0 + \beta_1$ Treated + β_2 Post × Treated

- + β_3 Busy Operations + β_4 Relevance of Brand Standards
- + β_5 Distance to Headquarters + β_6 Market Divergence
- + β_7 Store Manager Knows Team + β_8 Repeat Customers
- + β_9 Service-Sensitive Customers + β_{10} Unemployment Rate
- + β_{11} New Format Store + β_{12} Team Size + β_{13} Promotion Opportunities + β_{14} Percentage Full Time Employees
- + β_m (Month-Year Fixed Effects) + β_n (State Fixed Effects) + ε

	Outcome	Model Used
•	Rate of Departures	Hazard Rate Model
•	Store Sales (natural logarithm)	OLS Model
•	Store Mystery Shopper Scores	Tobit Model

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Effects of Centralized Hiring

- On average, the effects of centralized hiring (Post x Treated) on employee departures, monthly store sales, and mystery shopper scores are insignificant!
- But some effects "kick in" after 20+ employees in the store are hired centrally. In that case, centralized hiring is associated with a √25% rate of employee departures but not with any changes in performance.

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Did Any Store-Specific Factors
Influence the Effects of Centralized
Hiring on Employee Departures and
Performance?

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Regression Model

Tests of moderators of the effect of centralized hiring

Outcome= $\beta_0 + \beta_1$ Treated + β_2 Post × Treated + β_3 Busy Operations + ... + β_{10} Treated × Busy Operations + ... + β_{17} Post × Busy Operations + ... + β_{17}

- + β_{24} Treated × Post × Busy Operations
- + β_{25} Treated × Post × Relevance of Brand Standards
- + β_{26} Treated × Post × Distance to Headquarters
- $+\beta_{27}$ Treated × Post × Market Divergence
- + β_{28} Treated × Post × Store Manager Knows Team
- + β_{29} Treated × Post × Repeat Customers
- + β_{30}^{23} Treated × Post × Service-Sensitive Customers
- + β_m (Control Variables) + β_n (Month-Year Fixed Effects)
- + β_0 (State Fixed Effects) + ε

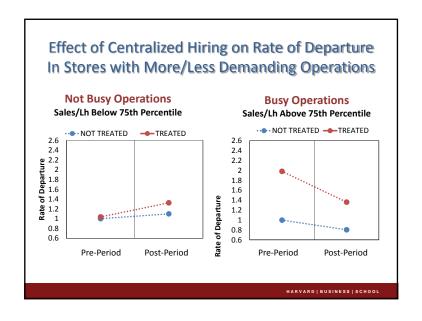
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Effects of Centralized Hiring Contingent on Store-Specific Factors

Employee Departures

 Centralized hiring results in a lower rate of employee departure in more busy stores.

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Effects of Centralized Hiring Contingent on Store-Specific Factors

Employee Departures

- Centralized hiring results in a lower rate of employee departure in more busy stores.
- Centralized hiring results in a higher rate of employee departures when the store serves **service-sensitive customers**.

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Effect of Centralized Hiring on Rate of Departure in Stores with More/Less Service-Sensitive Customers **Less Sensitive Customers More Sensitive Customers** Store in Area where PCI Below the Store in Area where PCI Above the 75th Percentile 75th Percentile · NOT TREATED · • TREATED · · · NOT TREATED · · · · TREATED 1.8 1.8 1.6 1.4 1.2 1 1.8 <u>u</u> 1.6 8.0 **gree of** 0.8 0.6 0.4 0.4 Pre-Period Post-Period Pre-Period Post-Period

Effects of Centralized Hiring Contingent on Store-Specific Factors

Employee Departures

- Centralized hiring results in a lower rate of employee departure in more busy stores.
- Centralized hiring results in a higher rate of employee departures when the store serves service-sensitive customers.

Store Performance

- Centralized hiring is associated with greater sales in distant stores: 1% increase in sales/additional 10 miles away from HQ
- Centralized hiring is associated with lower performance where customer relations may be important:
 - 7.3% decrease in sales if store serves service-sensitive customers.
 - 0.04 point decrease in (0-1) mystery shopper score scale when store serves repeat customers.

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Conclusions

- We find no evidence that centralized hiring, on average, is associated with the rate of employee departure (neither voluntary nor involuntary departures) or store performance.
- Yet, centralized hiring seems to lead to a lower rate of employee departures after ~20 employees at a store have been centrally hired.
- Generally speaking, our results are consistent with expected benefits & costs of centralized hiring.

Theoretical Prediction	Empirical Results
	Centralized hiring is associated with a
<u>Benefits:</u> In stores with greater potential gains in efficiencies & goal alignment	Decrease in departures in <u>busy stores</u> Increase in sales in <u>distant stores</u>
<u>Costs:</u> In stores where store managers are more likely to have an informational advantage over headquarters	Increase in departures & decrease in sales in stores with <u>service-sensitive customers</u> Decrease in mystery shopper scores in stores with <u>repeat customers</u>

Thank you!