

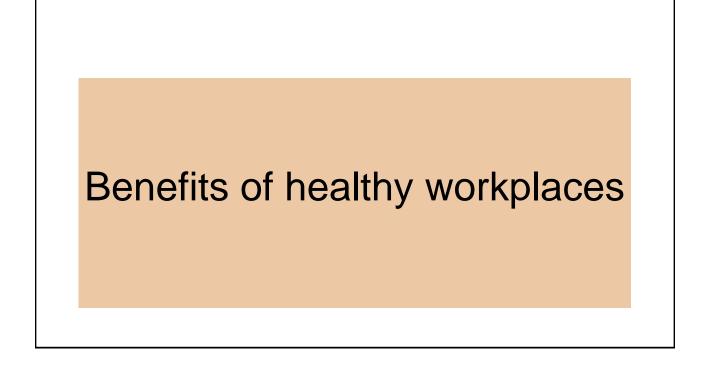
# Speakers

- Young Lee, Ph.D. LEED AP, CIDQ Director, Innovative Workplace Institute
- James Brewer Workspace Consultant, Steelcase
- Matthew Schottenfeld
   Associate Director, Innovative Workplace Institute

## **Session Description**

 Healthier and happier workers are proven to be more engaged and productive at work. This session discusses key indicators of workplace design for health and well-being and how to measure workspace performance in relation to them. CAPTIW<sup>©</sup> is workspace performance analytics developed with over 40 industry and academic partners. It encompasses a comprehensive list of workplace health and well-being indicators, and provides practitioners with free comprehensive analyses to promote evidencebased practice. The session showcases a case study from Steelcase WorkLife Center, NYC, highlighting a comprehensive assessment of health and well-being attributes and strategies to promote innovation and well-being at work.

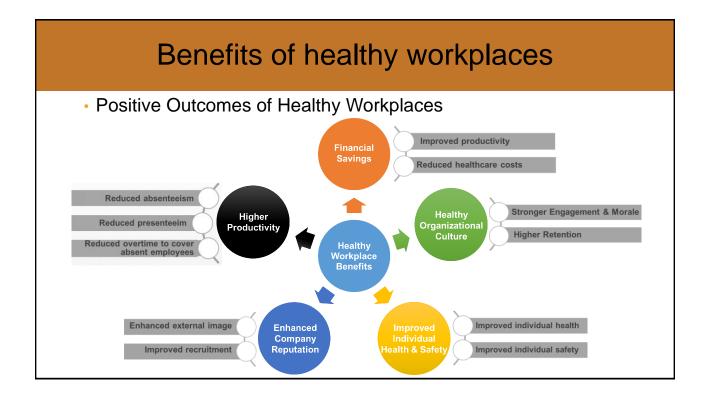
# Business Case of H&W

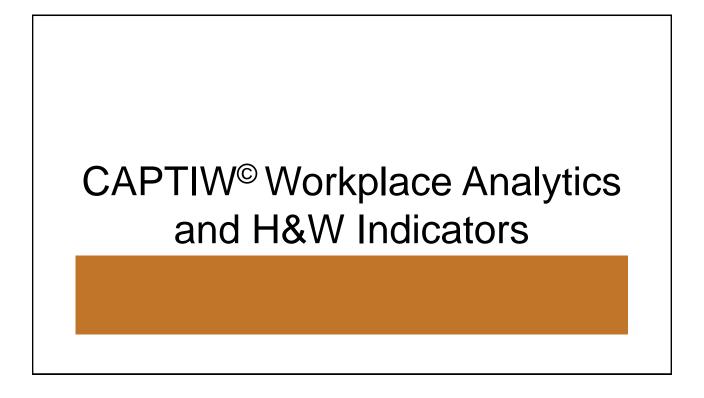










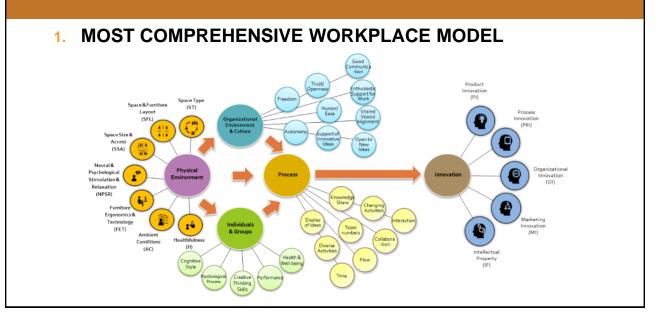


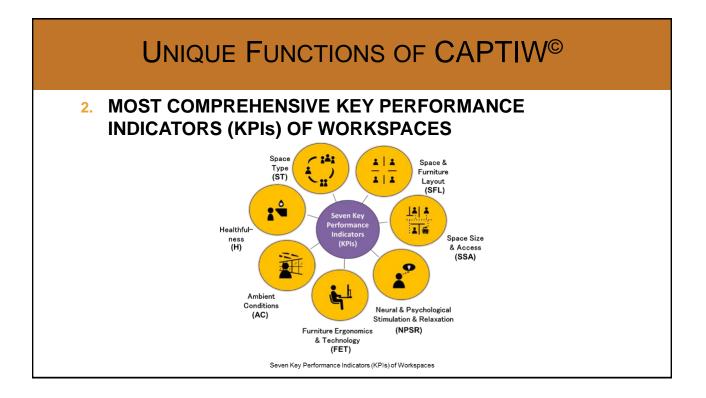
### CAPTIW<sup>©</sup> Workplace Analytics and H&W Indicators

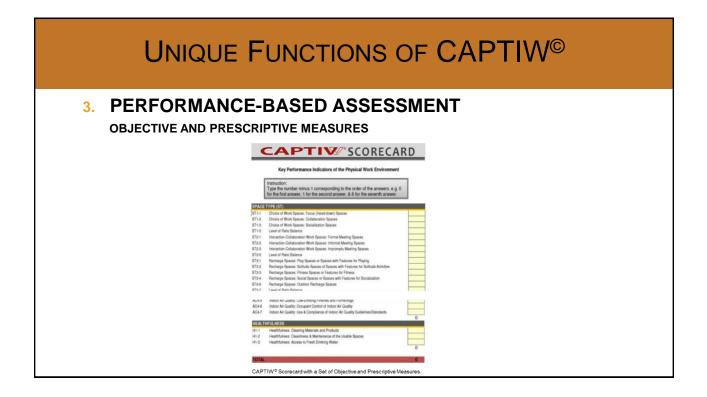
- Open Source Online Workspace Analytics
- Funded by the American Society of Interior Designers
- A collective effort with over 40 industry and academic partners
- Key performance indicators (KPIs) of the physical workspaces supporting the organizational performance in innovation and innovation strategies
- Alternative workplace performance metrics encompassing productivity, health, & wellbeing beyond the conventional metrics of cost per SF

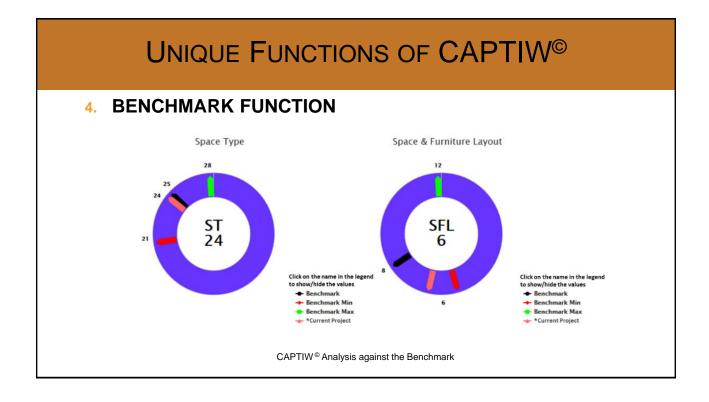


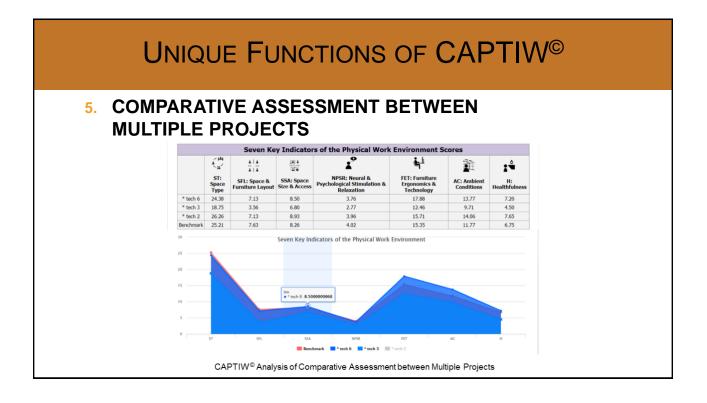
# UNIQUE FUNCTIONS OF CAPTIW©

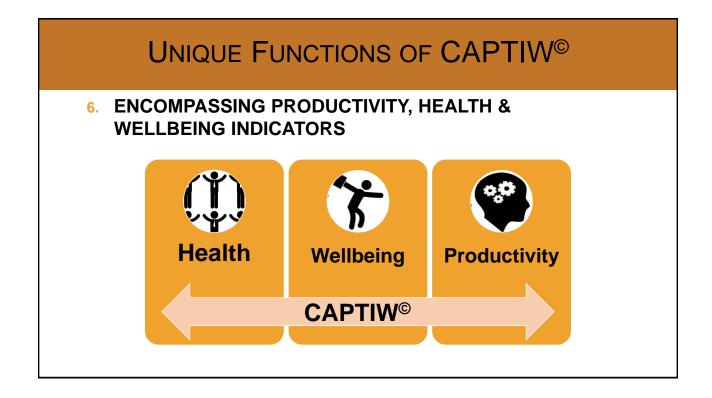






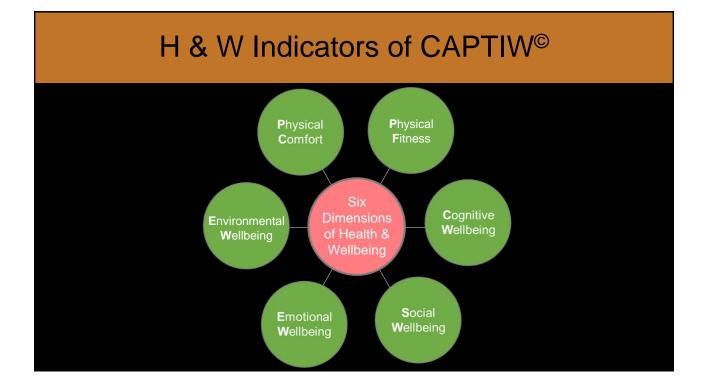


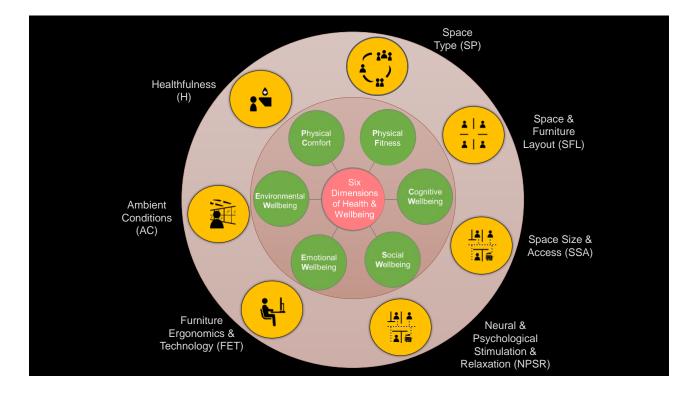


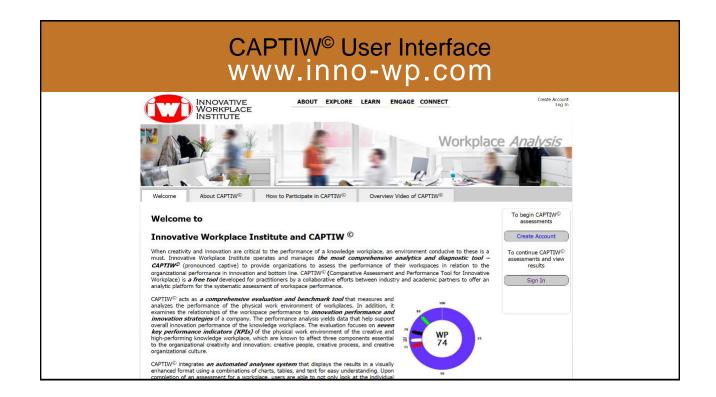


	H & V	<sup>1</sup> Indicators	of CAPTIW <sup>©</sup>
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Cognitive & Psychological Function Factors	KPI	Physical Health, Fitness & Comfort Factors	
ST 1. Choice of Work Spaces ST 2. Interaction – Collaboration Work Spaces ST 3. Recharge Spaces	i ili st	ST 3. Recharge Spaces	
SFL 1. Flexibility SFL 2. Flow and connectivity			
	SSA	SSA 1. Amount of Spaces SSA2. Access to Equipment	
NPSR 1. Unique/ Fun Atmosphere NPSR 2. Stimulation of Senses NPSR 3. Relaxing Environment	***NPSR		
	L FET	FET 1. Furniture Ergonomics FET 2. Technology	
AC 1. Acoustics AC 2. Visual Comfort AC 3. Thermal Comfort AC 4. Indoor Air Quality	AC	AC 1. Acoustics AC 2. Visual Comfort AC 3. Thermal Comfort AC 4. Indoor Air Quality	
	н	H 1. Healthfulness	





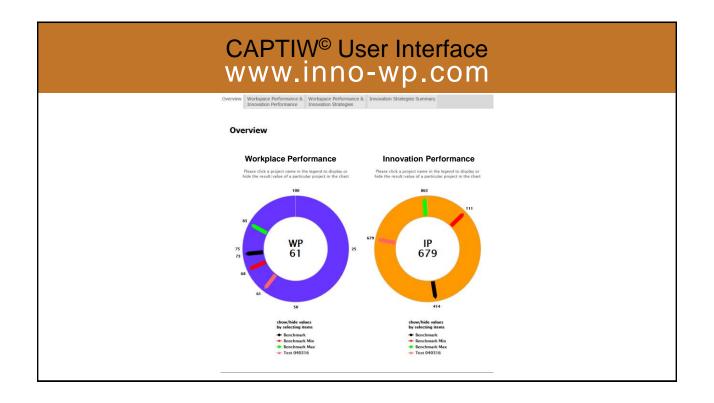












### CAPTIW<sup>©</sup> User Interface www.inno-wp.com

verview Workspace Performance & Workspace Performance & Innovation St Innovation Performance Innovation Strategies Performance by Key Indicators 7 KPIs of WP

### Performance by Key Indicators

### Total Score in Physical Work Environment: 60.53\*

Total Score in Innovation Performance: 679.26

\* The total score is calculated based on the points earned out of a total of 10 poi impact/significance of each KPI in achieving creativity and innovation in a knowle

### Summary

### The Physical Work Environment and Innovation Performance of the Company

The total score of the performance of your physical work environment in supporting creativity and innovation is 60.53, which is -19.17% lower than the benchmark. The highest performing key indicator of the physical work environment, compared to the benchmark, is (11.4%), and the lowest performing key indicator of the physical work environment is SFL: Space & Furniture Layout (-57.02%) out of the seven key performance indicators of the physical work environment.

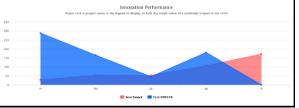
The total score for the innovation performance of your company is 679.26, which is 48.64% higher than the benchmark. The highest performing innovation Indicator, compared to the benchmark, is PI: Product Innovation (15.9.3%), and the lowest performing indicator is OI: Organizational Innovation (-14.39%) among the four innovation performance indicators.

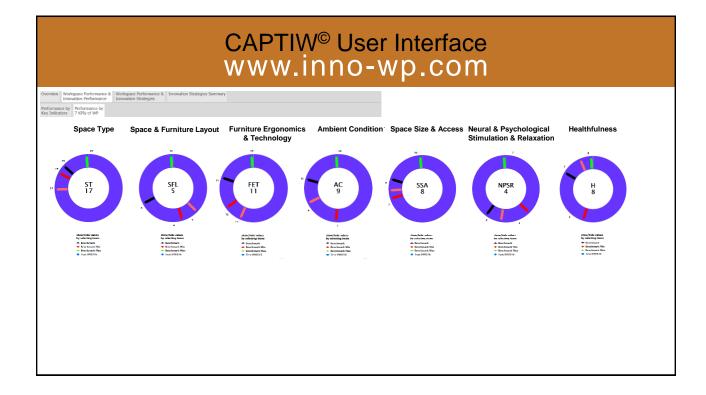
		Seven key	Indicatori	s of the Physical Work	Environment of	corea	
	د <mark>ي</mark> ة الم	1   1 1   1		L°	is_⊥		<b>*</b>
	ST: Space Type	SFL: Space & Furniture Layout	SSA: Space Size & Access	NPSR: Neural & Psychological Stimulation & Relaxation	FET: Furniture Ergonomics & Technology	AC: Ambient Conditions	H: Healthfulness
Current Project	16.88	4.53	7.65	3.56	10.84	9.42	7.65
Benchmark	19.69	8.15	8.22	4.09	15.35	11.04	6.83
Ratio	-15.38%	-57.02%	-7.14%	-13.79%	-34,48%	-15.82%	11.40%

Seven Key Indicators of the Physical Work Environment



### Perform OI: Organiza PI: Product Current Project 288.15 165.19 45.93 28.56 53.79 53.05 171.18 Ratio 101 755





### CAPTIW<sup>©</sup> User Interface www.inno-wp.com

Overview Workspace Performance & Workspace Performance & Innovation Strategies Summary
Innovation Performance

Strengths & Opportunities by Opportunities Organizational Attributes

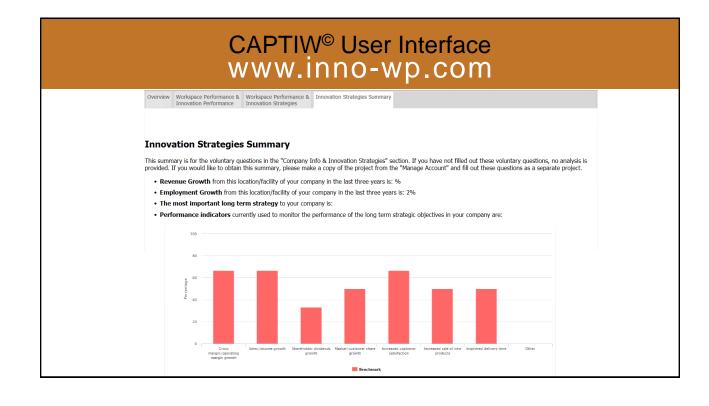
### Performance of the Physical Work Environment Supporting Organizational Creativity and Innovation

This section analyzes the performance of the critical key performance indicators (KPIs) of the physical work environment in supporting specific attributes of the three organizational constituents crucial to generating organizational creativity and innovation: organizational environment & culture, process, and people.

A set of specific sub key indicators of the Seven KPIs that are critical to achieving desirable outcomes of a certain attribute of the three organizational constituents are listed under each attribute of the three organizational constituents. The list shows only the attributes of the organizational constituents that are identified important by you/your team in the Question 11 of the Part1: Company Information and Innovation Strategies. A sub key indicator of the Seven KPIs is listed a strength when its score is below the benchmark, and as oportunity when its score is below the benchmark. By examining the scores, you can identify which key indicators to improve in order to support a specific attribute critical to enhancing creativity and innovation at the organizational level.

If you would like to view only the items scored below benchmark by the organizational attributes, please click Opportunities by Organizational Attributes.

Organizational Environment and Culture						
Critical Key Indicators of the Physical Work Environment	Current Project Score	Benchmark Score	Strengths	Opportunities		
Time (Sufficient time to develop ideas/ to market)						
Recharge Spaces (st_3_1)	0	1.50		<ul> <li>✓</li> </ul>		
Expandability (sfl_1_1)	2	2.83		~		
Versatility (sfl_1_2)	3	3.17		~		
Convertibility (sfl_1_3)	3	2.83	~			
Core Interaction Networks (sfl_2_2)	1	3.83		<ul> <li>✓</li> </ul>		
Cross-Pollination (sfl_2_3)	1	4.00		~		
Easy Access to Equipment (ssa_2_1)	3	5.83		~		
Low-Tech Collaborative Tools (fet_2_1)	4	4.00		<ul> <li></li> </ul>		
High-Tech Collaborative Tools (fet 2, 2)	4	5.22		<i>.</i>		



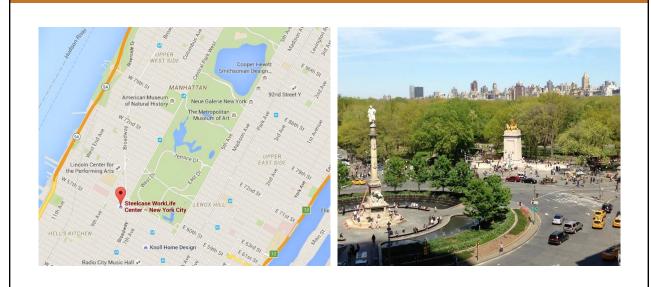
# Case Study: Steelcase Worklife Center, NYC

### Unique Qualities of Steelcase Worklife Center, NYC

# Love how you work.

At Steelcase we bring human insight to business by studying how people work, wherever they work. Those insights can help organizations achieve a higher level of performance, by creating places that unlock the promise of their people. Our goal is to help organizations create spaces that support how they work. Our passion is helping people love how they work.

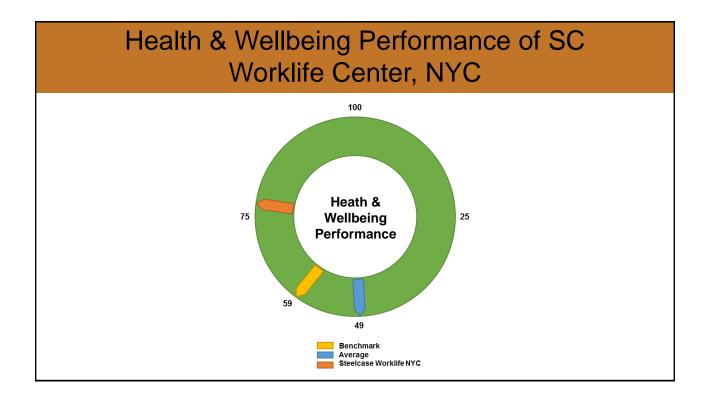
### Unique Qualities of Steelcase Worklife Center, NYC

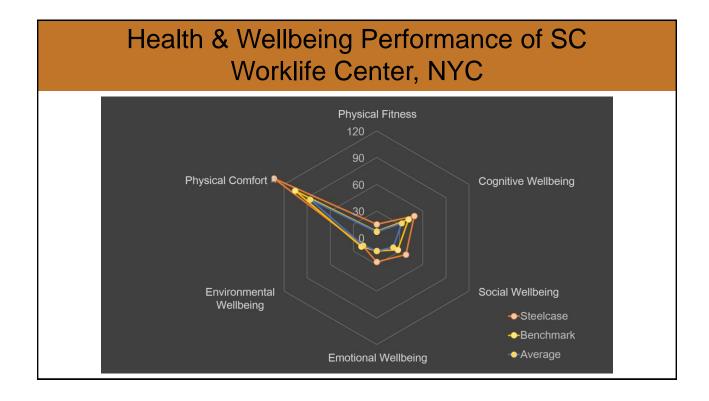


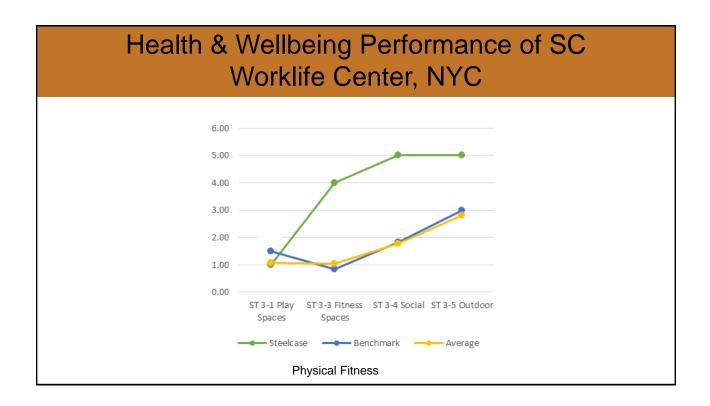


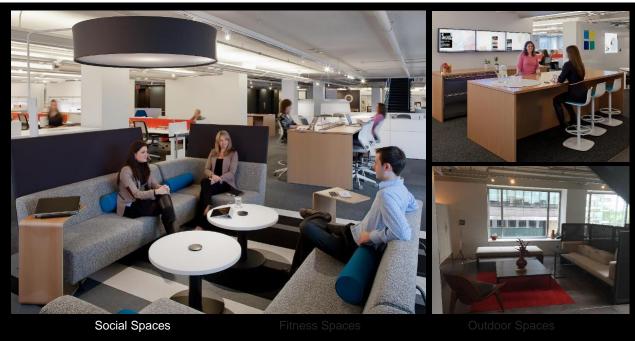




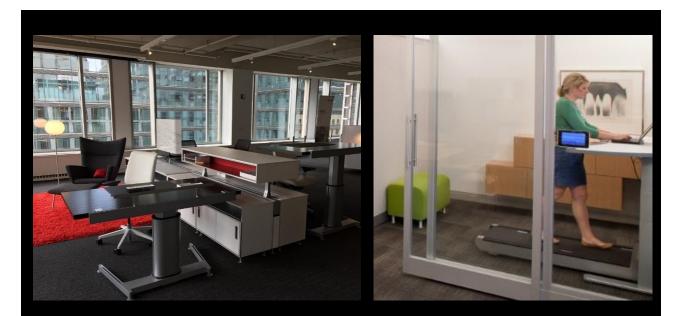








Physical Fitness



Social Spaces

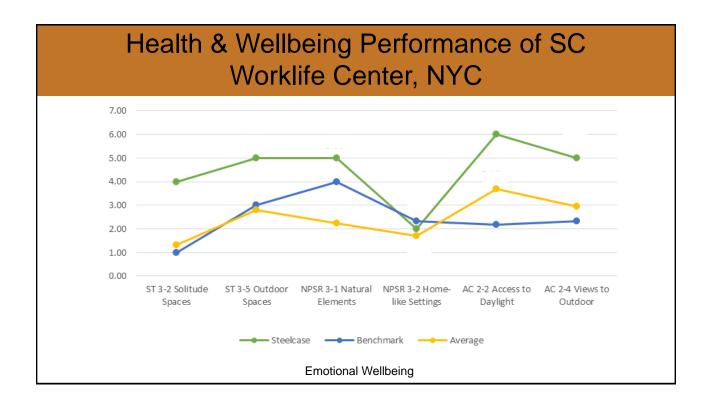
Fitness Spaces Physical Fitness

**Outdoor Spaces** 



Social Spaces

Fitness Spaces Physical Fitness Outdoor Spaces



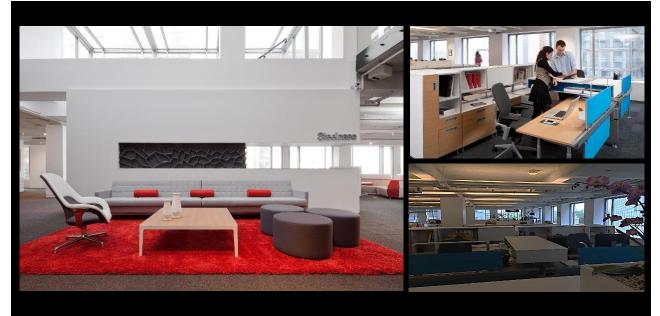


Solitude Spaces

Access to Daylight

Views to Outdoor

Emotional Wellbeing



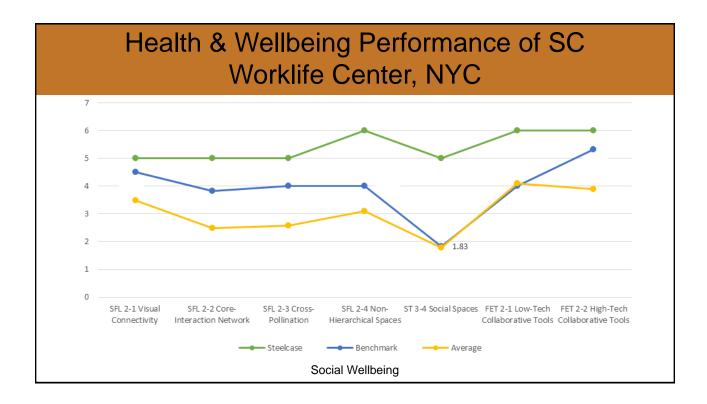
Solitude Spaces

Access to Daylight Emotional Wellbeing

Views to Outdoor



Emotional Wellbeing

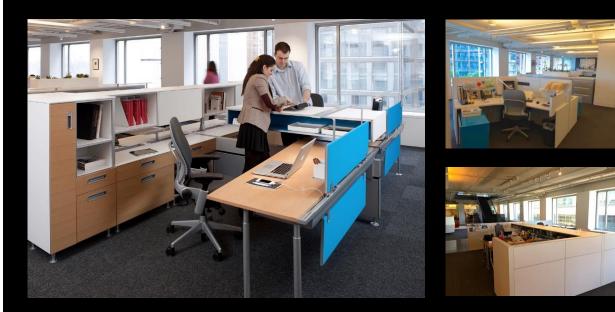




Visual Connectivity

Core-Interaction Network

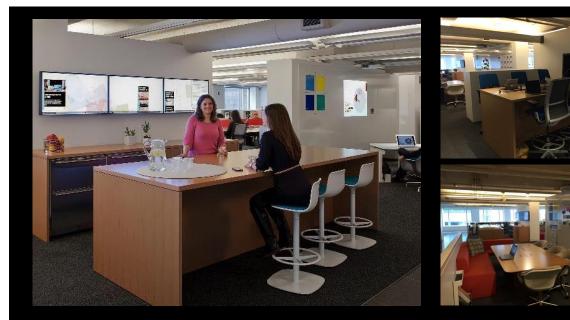
**Cross-Pollination** 



Visual Connectivity

Core-Interaction Network Social Wellbeing

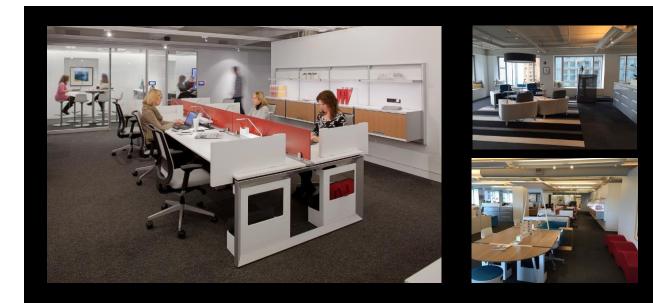
**Cross-Pollination** 



Visual Connectivity

Core-Interaction Network

**Cross-Pollination** 



Non-Hierarchical Spaces

High-Tech Collaborative Tool

\_ow-Tech Collaborative Tools

Social Wellbeing



Non-Hierarchical Spaces

High-Tech Collaborative Tools

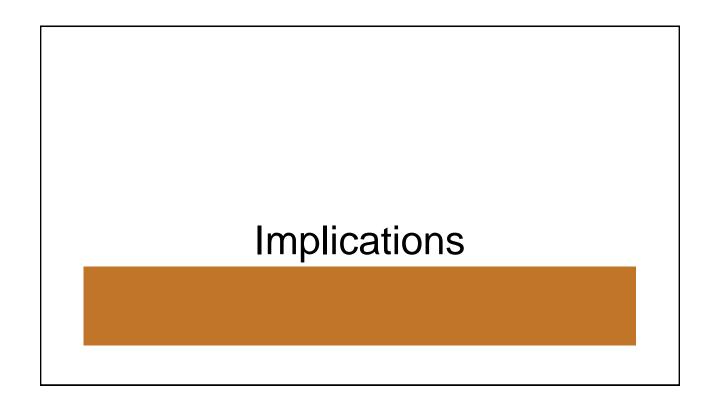
Low-Tech Collaborative Tools



Non-Hierarchical Spaces

High-Tech Collaborative Tools

Low-Tech Collaborative Tools





### References

Steelcase (2016). Global report: Engagement and the global workplace. Steelcase 360 Magazine Report. Steelcase (2015). Wellbeing: A bottom line issue. Steelcase 360 Magazine Issue 60. British Heart Foundation (2015). Health at work infographics

Photo/image credit: James Brewer Steelcase American Society of Interior Designer Young Lee http://www.waldners.com/wp-content/uploads/2015/09/Privacy-Wall\_11-0003129.jpg http://cravatenoire.blogspot.com/2013/05/the-hope-programs-taste-of-hope-at.html https://twitter.com/viferrenceray/status/615570359207727104 http://cravatenoire.blogspot.com/2013/05/the-hope-programs-t

# THANK YOU

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