eBay Inc: Reducing Global Injury Risk with Web-based Ergonomics

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Agenda

- About eBay Inc.
- Situation
- Driving Needs
- Approach
- Measuring Success
- Rollout Lessons
- Q&A



About eBay Inc.

- Founded in 1995
- HQ in San Jose, California
- ≈15K+ employees
- 68 offices in 26 countries
- Operate in multiple languages





- Global online marketplace where practically anyone can trade anything
- Global presence in 39 markets
- 276M registered users worldwide
- No. 1 eCommerce brand with a 15% share of global eCommerce¹
- \$2,039 worth of goods traded every second
- Total gross merchandise volume was \$59B in 2007
- At any given time, there are 113 million listings worldwide and 6.7 listings added per day.
- Users trade in more than 50,000 categories.
- 1.3 million people around the world make all or part of their living by selling on eBay²



- Leading global online payment company
- Available in 190 markets
- 141 million total accounts
- Supports payments in 17 currencies
- 8% share of global ecommerce
- \$1,806 in total payments transacted every second
- Net total payment volume, the total value of transactions, was \$47B in 2007



- Leading global internet communications company
- In Q4-07, Skype added 30M users

 for a total of 276M users.
- Available in over 28 languages and is used in almost every country around the world.
- 4.4% of world's long distance minutes³
- 11 million concurrent users at peak times
- Milestone: Recently celebrated 100 billion minutes worth Skype-to-Skype calls

¹ Source: comScore, Media Metrix, Dec 2006, company estimates

² Source: ACNielsen International Research, June 2006

³ Source: TeleGeography, Dec. 2006

Situation

- Ergonomic risks are one of the most far reaching occupational risks employees faced at eBay Inc., worldwide
- Rapidly expanding business operations
- Growing global workforce
- Limited ability to track and measure results
- Reactive when employees experience pain or discomfort
- Prohibitive to scale across enterprise
- Wanted to maintain consistent safety programs, and measure the effectiveness of those programs



Business Needs: Overall

- EH&S Policy: Commitment to a safe workplace, employee training and safe work practices
- Cost-effective method that "moves" employee ergonomic issues through a four phase strategy:
 - 1) identification 2) prioritization 3) tracking 4) closure
- Reduce the cost of office ergonomic program development and delivery
- Centralize method for verification of:
 - Domestic and international regulations
 - Global ergonomic metrics



Business Needs: Risk Assessment

Must identify commonly accepted

ergonomic, postural and work practice risk factors Must provide
VALIDATED RISKBASED RESULTS that:

- 1. Prioritize risks
- 2. Establish risk baseline for follow-up
- 3. Are personalized

Must identify eBay Inc. specific risk factors, e.g.:

- Shared workstations
- Home office
- Mobile workforce



Business Needs: Training

 Must teach employees about the various hazards in their work environment, including:

Ergonomic

Behavioral / postural

Work practice

Must emphasize early reporting of discomfort

2. Must provide relevant risk-reducing recommendations that focus on postural improvements

Must Keep it human!

Must satisfy global regulatory demands



Requirement: 24/7 - Deskside

Business Needs: Automated Follow-up

- Must focus on high and moderate risk employees
- Must be personalized
- Must prioritize ergonomic, postural and work practice recommendations
- Must automatically notify appropriate support personnel when employee is in need of one-on-one assistance and method for employee to request assistance

"Moderate" to "high" risk defined as constant or frequent pain and/or observable risk factors.



Approach

- Implement a system that can scale across the enterprise while reducing costs associated with injuries
- Increase percentage of employees completing ergonomics training and assessment while reducing the need for costly hands-on treatment
- Standardize ergonomic training and risk assessment
- Establish measurable performance objectives and provide a system to measure against such objectives
- Identify and reduce ergonomic risks
- Collaborate with claims management process and return-to-work programs
- Improve ergonomic issue tracking and resolution

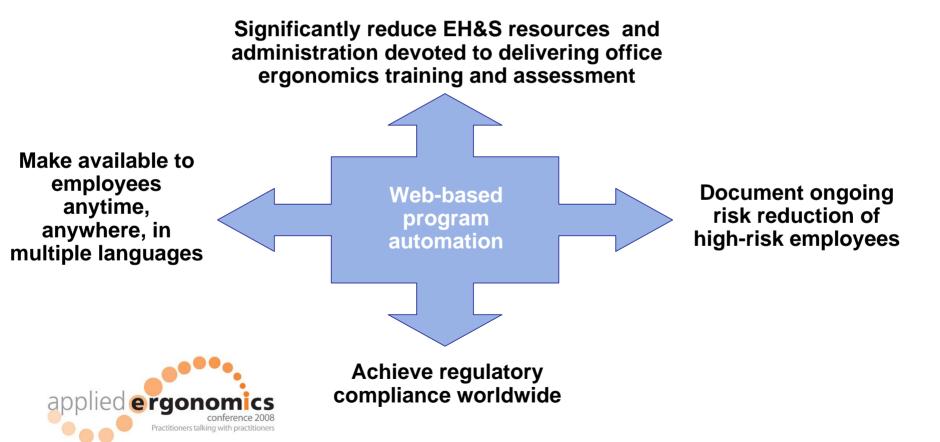


Approach (cont'd)

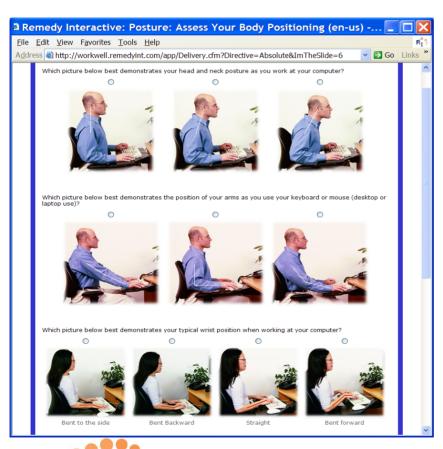
- Establish reporting tools to measure progress for defined groups and individuals at pre-determined stages
- Central repository to track recommendations to closure
- Real-time data to direct proactive policies
- Measure employees' current risk and track progress in lowering that risk over time
- Make accessible to employees globally 24x7x365
- Streamline ergonomic assessment process by eliminating logistical and geographical hurdles
- Achieve and/or exceed regulatory compliance
- Promote blended approach to ergonomics by integrating with existing team of Physical Therapists, ergonomists, etc.
 applied ergonomics

Solution Options

In order to satisfy our business needs and deliver an 80% solution, available 24/7 in multiple languages, we identified an interactive web-based solution



Risk Assessment: Rapid Upper Limb Assessment (RULA) Validation Process

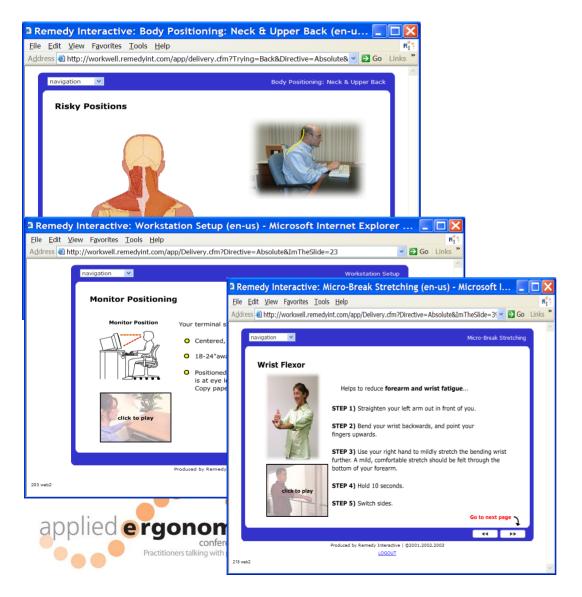


Risk Categories Assessed:

- Ergonomic
- Behavioral/Postural
- 3. Work Practice
- 4. eBay Inc. Custom



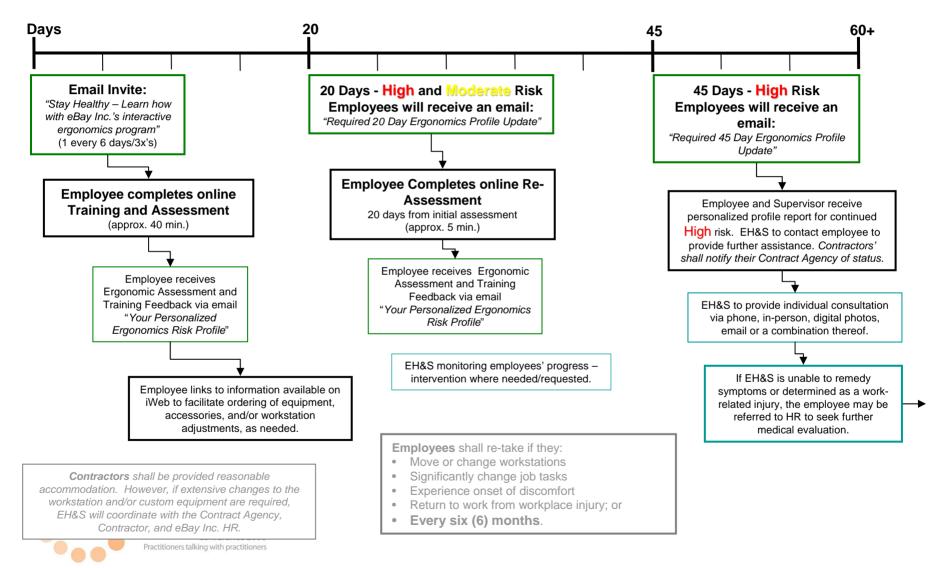
Training: Personalized, Multi-track



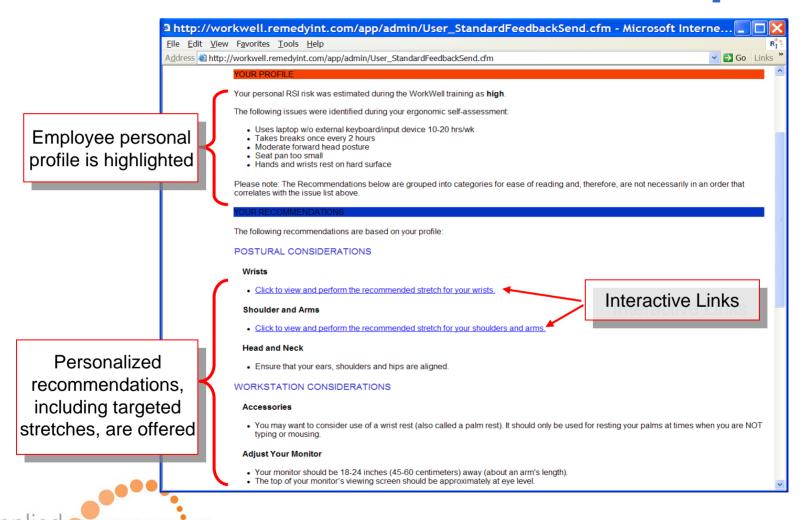
Training:

- "Assessment dependent" content
- OS and bandwidth accommodating versions
- Graphics intensive and interactive
- Available in multiple languages

Ergonomic Lifecycle

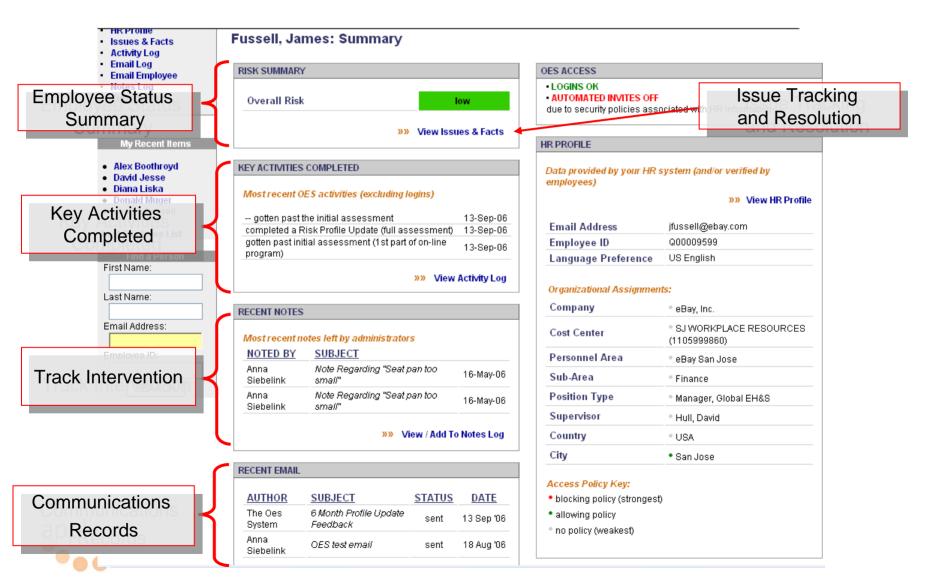


Personalized Follow-up



Practitioners talking with practitioners

Reporting Capability: Detailed Employee Data



Reporting Capability: Risk Factor Trends

ERGONOMIC ISSUES & FACTS:	ISSUES EXISTING (PPL)	ISSUES IMPROVED (PPL)	RES	UES DLVED) (%)	ISSUES EVER IDENTIFIED	
USES MULTIPLE MONITORS	369	0	0	0%	369	
ARMRESTS TOO HIGH	162	26	87	32%	275	
FEET DO NOT REST COMFORT ABLY ON FLOOR OR FOOTREST	160	0	48	23%	208	
COMMONLY VIEWS DOCUMENTS LYING FLAT ON DESK	138	0	47	25%	185	
CHAIR TOO HIGH	120	0	113	48%	233	
Risk Factors Moultons	119	0	0	0%	119	
N HARD SURFACE	119	0	42	26%	161	
Identified	96	0	44	31%	140	
SEAT PAN TOO SMALL	93	0	101	52%	194	Resolution
USES LAPTOP W/O EXTERNA . MONITOR OR KEYBOARD/INPUT DEVICE 1-10 HRS/WK	92	0	9	9%	101	Percentages
BACKREST TOO HIGH	80	0	57	42%	137	
BACKREST TOO LOW	70	0	53	43%	123	
MONITOR TOO LOW	59	0	77	57%	136	
MODERATE MONITOR GLARE	50	0	39	44%	89	
MONITOR MODERATELY OFF CENTER	48	0	46	49%	94	
POINTING DEVICE DOES NOT HT COMFORTABLY IN HAND	48	0	19	28%	67	
€ KEYBOARD TOO HIGH	45	0	45	50%	90	
EQUIPMENT AND/OR ACCESS PRIES NOT WORKING PROPERLY	43	0	20	32%	63	
BACKREST COMMONLY RECLINED	38	0	42	53%	80	
KEYBOA D TOO LOW	28	0	15	35%	43	
High Impact tow	25	0	39	61%	64	
Issues Identified RD AND MOUSE CANDOT BE PLACED IN PROXIMITY OF	25	0	10	29%	35	
SEVERE MONITOR GLARE	24	4	6	18%	34	
● MONITOR SEVERELY OFF CENTER	20	9	22	43%	51	
USES LAPTOP W/O EXTERNA . MONITOR OR KEYBOARD/INPUT DEVICE 10-20 HRS/WK	20	3	0	0%	23	
annie No Backrest Support	16	0	10	38%	26	
MONITOR TOO HIGH	15	0	38	72%	53	
O O O O O O O O O O O O O O O O O O O	13	3	1	80%	17	

Reporting Capability: Aggregate Summary Data

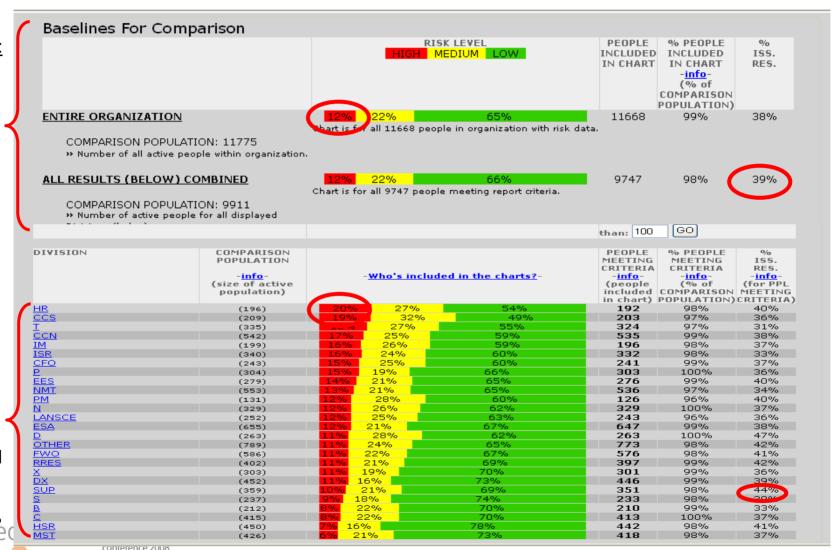
Benchmark:

- % high risk
- Issue resolution rate

Determine:

- Which are highest risk depts, locations, etc.?
- Which are successful (or not) at resolving problems?

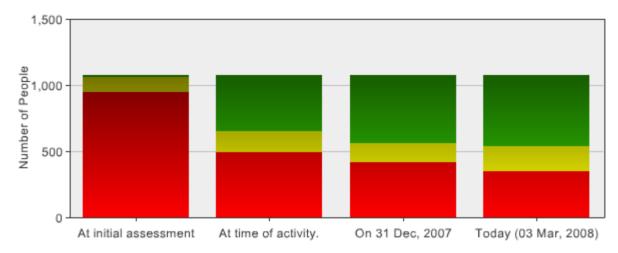
Practitioners talking with practitioners



Reporting Capability: Risk Reduction Over Time

Aggregate Risk Data Over Time

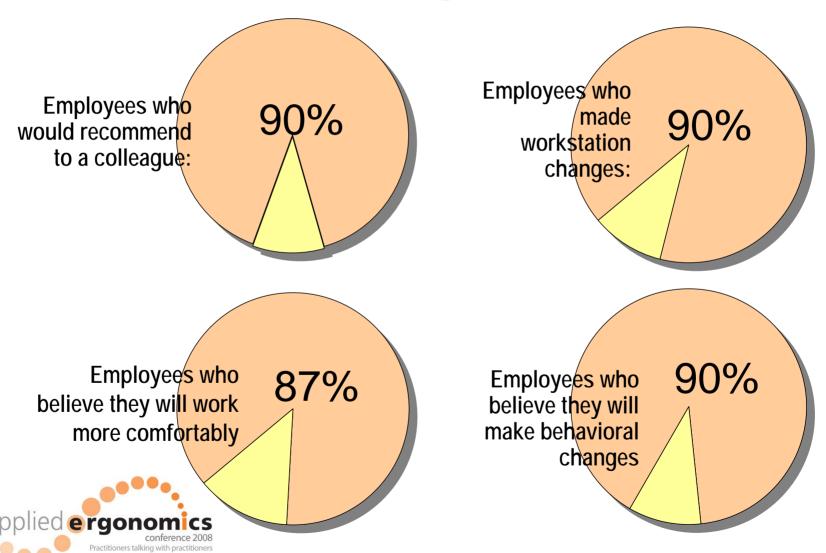
Based on 1080 people Chart Date: 03 Mar, 2008 Includes people who completed the activity: "completed an email-initiated Instant Reassessment (Office)" between Dec 31 2006 and Dec 31 2007.

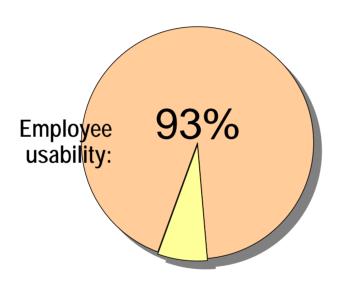


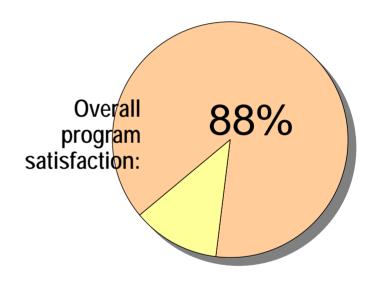


- Participation
- Percentage of population at risk
- Risk reduction
- Percentage of issue resolution
- Employee comfort
- User satisfaction
- Lost workdays
- Workers' compensation cost
- OSHA recordable cases











"Everything is great. I really appreciate everything you did and how fast you did it in! I'm very happy! @"

"You wouldn't believe how much difference your suggestions made in my life. I no longer have back pains (actually let's say less pain) and my wrist is much better."



Rollout Lessons

- Support/push by local management
- Beyond compliance
- Multi-tiered communication
- Keep people engaged in the process
- Integration with procurement of equipment/furniture
- Follow-up with management share success/areas to improve
- Keep it human!





Questions?



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