

# Project 3 wearable technologies resources

Please add to this list as you discover new devices or information.

A snapshot of wearables compiled by the Wearables Research Collaboratory, Writing Studies, University of Minnesota  
[WRCollab.umn.edu](http://WRCollab.umn.edu), [www.facebook.com/wrcollab](https://www.facebook.com/wrcollab), [www.instagram.com/wrcollab](https://www.instagram.com/wrcollab), [www.twitter.com/WRCollab](https://www.twitter.com/WRCollab) [UMN](https://www.twitter.com/WRCollab)

Location on body	Type	Technology	Purpose	Impact on users (add notes below)	What the device does
Head		Google Glass		Empowering for capturing hands-free, POV perspective <ul style="list-style-type: none"><li>- on-the-go information retrieval (when connected)</li></ul> Disempowering for its prominent camera; not clear if on and recording <ul style="list-style-type: none"><li>- reliance on smartphone/connectivity limits affordances in the here and now</li></ul>	
Eyes	Health / fitness	<a href="#">VSP Global eyeglasses</a>	Activity tracker		
	Health / fitness	<a href="#">LifeBEAM hat</a>			
	Health	<a href="#">BitBite</a>	Health (chewing habits)		
	Productivity	<a href="#">Thync</a>	Health (energy)	Optimize performance, e.g., in a workout, or use to calm down at the end of a day; a Bluetooth-connected wearable device that sends electronic pulses to your cranial nerves to either make you calmer or more energized.	
	Health	<a href="#">Google Smart Contact Lens</a>	Health (Diabetes)		
	Productivity	<a href="#">Solos sunglasses</a> <a href="#">Wearable headsets</a>			
Neck					
	Productivity	<a href="#">Humanyze</a>	Productivity	Empowering to the self to have a way to track when one offers a	

				<p>contribution; disempowering if data collected either fuels complacency or discouragement that impedes overall performance</p> <p>In others' hands: Disempowering when promotion and productivity-related judgments are formed because of what this data makes "visible," and decisions are made accordingly</p>	
	Lifestreaming (Sousveillance?)	<a href="#">Narrative</a>	Documentation	<p>Empowering: keep a visual record of what is happening around the wearer.</p> <p>Disempowering: could be seen as something that is surveilling those around the wearer</p>	<p>Produces images/videos, other data? (location, etc.)</p> <p>Absorbed: Sense of "otherness" because of "surveillance" (agency of person/device)</p>
	Health	<a href="#">Clarity</a>	Air quality monitor		
	Safety	<a href="#">Jewelry</a>	Safety		
<b>Hand / Arm</b>					
	Health/Fitness	FitBit	Health/Fitness	<ul style="list-style-type: none"> <li>- Empowering to the self to have around-the-clock knowledge of heart rate, but negative heart rate results could be disempowering, especially if comparing results with others'</li> <li>- In others' hands: Disempowering to abdicate this data collection to third-party apps: how secure is "secure?"</li> </ul>	<p>Produces stats, connections with others, feedback to healthcare providers</p> <p>Absorbed: sense of connectedness with health, enforcing concepts of health as defined by the device/makers</p>
		Apple Watch			
		Ring			
		Feel	Emotion sensing/tracking	<a href="http://nerdist.com/sentios-feel-wristband-fitbit-for-your-emotions/">http://nerdist.com/sentios-feel-wristband-fitbit-for-your-emotions/</a>	
	Productivity (Sousveillance?)	<a href="#">Kapture wristband</a>	Audio recording		
		<a href="#">Wove band</a>			
		<a href="#">Doppel</a>		wearable technology (like a watch) to change the way you feel (mood changing)	
	Control/Productivity	<a href="#">Myo</a>	Enables arm/hand gesture control of		

			devices such as Google Glass,		
	Control	<a href="#">O6</a>	Enables arm/hand gesture control of apps for eyes-free communication		
<b>Body</b>	Health	<a href="#">Seeq</a>	Heart health	an adhesive, wearable sensor that can be worn for up to 30 days to help detect and diagnose the cause of irregular heartbeats in patients. It automatically sends data via Bluetooth and cellular signals to the Medtronic Monitoring Center, where reports are processed and submitted to cardiologists to aid diagnosis. It's a shorter-term monitoring solution to complement Medtronic's LINQ implant, which can monitor cardiac rhythm for three years.	
		<a href="#">SMART</a>	Health	a wearable, wireless device for seizure detection	
	Game	<a href="#">Pokémon GO Plus</a>	Entertainment	a wearable device that syncs via bluetooth to your smartphone	GPS data. Connectedness through mutual interaction <a href="#">[Initial Commercial]</a> Nostalgia for grown children and adults. <a href="#">[Super Bowl Commercial]</a>
	Mindfulness	<a href="#">Spire</a>	Activity tracker	<p>"Unobtrusively clipped to your belt or bra, Spire knows when you're stressed and helps you reduce tension with smart notifications and gentle reminders."</p> <p>"Like a mini therapist clipped to your belt"</p>	<p>Monitors blood pressure, heart rate, respiratory patterns, steps, calories</p> <p>Provides stress notifications and guided breathing exercises to increase mindfulness and endorphins</p>
<b>Feet</b>					
	Performance	<a href="#">Tune</a>		To make you more aware of how you are running; provides coaches with insight as to how players (runners) are performing	
		<a href="#">Lonovo's smart shoes</a>			
<b>Body</b> (clothing)		<a href="#">Spongesuit</a>			

	Utility	<a href="#">Mos Backpack</a>		Power your life wherever you are. The MOS Pack transforms the humble backpack into a portable charging station for all of your devices.	Power for your electronic needs
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Additional wearables

Flexible display (Wove band) <http://www.polyera.com/>  
Samsung VR Gear <http://www.samsung.com/global/microsite/gearvr/>  
Google Cardboard <https://www.google.com/get/cardboard/>  
Microsoft Project X <http://gizmodo.com/project-x-lets-you-fight-hololens-aliens-in-your-living-1734922639>  
Microsoft Band 2 <http://www.engadget.com/2015/10/06/microsoft-band-2-hands-on/>  
Chromat's Aeros bra: <http://www.wareable.com/fashion/new-york-fashion-week-wearable-tech-september-2015>  
Jawbone: <https://jawbone.com>  
Touchy: <http://touchtouchy.com/>  
Biosensor temporary tattoos:  
[http://www.smithsonianmag.com/innovation/tiny-tattoo-wearables-could-monitor-your-health-180956862/?utm\\_source=facebook.com&no-ist](http://www.smithsonianmag.com/innovation/tiny-tattoo-wearables-could-monitor-your-health-180956862/?utm_source=facebook.com&no-ist)  
SpongeSuit:  
[http://www.huffingtonpost.com/entry/spongesuit-cleans-ocean\\_56244797e4b02f6a900cc63a?ncid=fbklInkushpmg00000063](http://www.huffingtonpost.com/entry/spongesuit-cleans-ocean_56244797e4b02f6a900cc63a?ncid=fbklInkushpmg00000063)  
Indiegogo: [http://mashable.com/2015/11/03/athena-indiegogo/?utm\\_cid=mash-com-fb-tech-link#QR668sTUYEgg](http://mashable.com/2015/11/03/athena-indiegogo/?utm_cid=mash-com-fb-tech-link#QR668sTUYEgg)  
Greater Than: <http://www.fastcodesign.com/3036474/wearables-week/the-wearable-that-tunes-out-your-annoying-boss>  
“Superpower” wearables: <http://www.fastcodesign.com/3036295/4-wearables-that-give-you-superpowers>  
GyroGloves: <http://www.technologyreview.com/news/545456/hope-in-a-glove-for-parkinsons-patients/>  
Doppel: <http://www.doppel.london/>  
Ekso Bionics: <http://www.eksobionics.com/>  
[http://boston.cbslocal.com/2016/02/22/mass-companies-wearable-technology/#.Vs0ut\\_zlqAM.twitter](http://boston.cbslocal.com/2016/02/22/mass-companies-wearable-technology/#.Vs0ut_zlqAM.twitter)  
  
Shockclock wakeup trainer: <http://pavlok.com/hello.php>  
<https://www.indiegogo.com/projects/shock-clock-wakeup-trainer-never-hit-snooze-again--2#/>