

## SUPPLEMENTARY INFORMATION

**Supplementary Table 1.** Search term strategy

Database Name	Date of Search	Search String	Result
ACM Digital Library	12/22/2019	("ambulatory" OR "free living" OR "at home" OR "in field" OR "in the wild") AND (feed% OR eat% OR diet% OR food% OR ingest%) AND ("monitor" OR "assess" OR "detect") AND ("wearable" OR "device" OR "sensor" OR "technology" OR "smart watch" OR "smartwatch")	51
IEEEExplorer	12/22/2019	((("ambulatory" OR "free living" OR "at home" OR "in field" OR "in the wild") AND (feed* OR eat* OR diet* OR food OR ingest*)) AND ("monitor" OR "assess" OR "detect") AND ("wearable" OR "device" OR "sensor" OR "technology" OR "smart watch" OR "smartwatch"))	95
Google Scholar	12/22/2019	((("ambulatory" OR "free living" OR "in field" OR "in the wild") AND ("eat" OR "food intake" OR "diet") AND ("monitor" OR "assess" OR "detect") AND ("wearable" OR "device" OR "sensor" OR "technology" OR "smart watch" OR "smartwatch"))	50
PubMed	12/22/2019	((Ambulatory OR "free living" OR "at home" OR "in field" OR "in the wild") AND (((("Nutrition Assessment"[Mesh] AND "Nutrition Surveys"[Mesh] AND "Diet, Food, and Nutrition"[Mesh]) OR "Eating"[Mesh]) OR "Feeding Behavior"[Mesh] OR eating OR "dietary behavior" OR feeding OR "dietary intake" OR "food intake")) AND (((("Monitoring, Ambulatory"[Mesh] OR "ambulatory monitoring")) OR ((Wearable Device OR Electronic Skin Wearable Technology)) OR "Wearable Electronic Devices"[mesh] OR "smart watch" OR "smartwatch" OR "wearable sensor" OR "wearable device"))))	323
Scopus	12/22/2019	((("ambulatory" OR "free living" OR "in field" OR "in the wild") AND ("eat" OR "food intake" OR "diet") AND ("monitor" OR "assess" OR "detect") AND ("wearable" OR "device" OR "sensor" OR "technology" OR "smart watch" OR "smartwatch"))	87

A total of 617 results were produced from this search string, however, only the first 50 results from the Google Scholar database were considered and reviewed.