

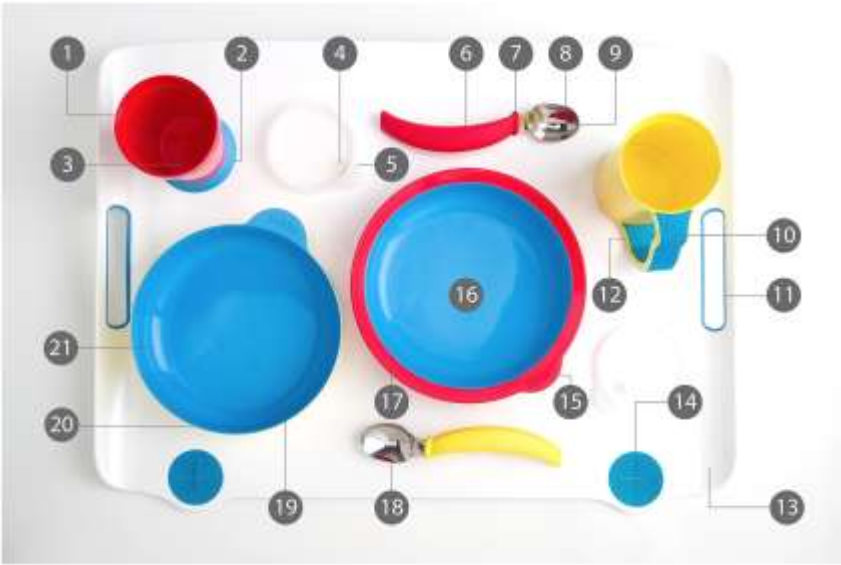
### 1. Brief Product Introduction



[Eatwell Video](#)

**EATWELL** is an assistive tableware set for people with special needs. Its universal, user-centric design can benefit those with cognitive (such as Alzheimers and other dementias), motor (Parkinsons disease, various scleroses), and physical (injury, infirmity) impairments.

There are more than 20 features that we believe can solve most of problems while eating, and every design decisions can be traced back to a discovery made during the research process based on real problems.



The major features are

- 1) high contrast colors helps users distinguish food from tableware and stimulate appetite.
- 2) specially curved spoons match the contours of the bowls to provide smoother, easier motions.

- 3) slanted bottom and deep chambers collect food at corners for easier scooping.
- 4) anti-tip design prevents accidents from tipping cups and mugs

As life expectancies continue to increase around the world, it's important not to lose sight of improving the quality and not just the quantity of life. The Eatwell set helps

- 1) **increase food and drink intake** for better health and nutrition,
- 2) **maintain dignity and independence** during meals, and
- 3) **reduce the burden** on caregivers

### **Product options:**

4-piece Eatwell set in Red

4-piece Eatwell set in Yellow

8-piece Eatwell set (4 piece in Red+ 4 piece in Yellow)



**2. Website:** [eatwellset.com](http://eatwellset.com)

### **3. Honor & Awards:**

2017 A' Design Award-Golden Award

2017 Design Mark for Golden Pin Design Award

**2016 One of "The 25 Best Inventions of 2016"- Time Magazine**

2016 One of "The 25 Most Innovative Health Care Designs Of The Year"- Fast Company

2016 Finalist for Health & Social Good - Fast Company

2016 Honorable Mention for Products - Fast Company

2015 "Tableware designed for Alzheimer's patients"- CNN

2015 The 40 most exciting innovations of the year- Tech Insider

2015 Rodale Top 100 Innovative Products

**2014 First Place Stanford Center on Longevity Design Challenge**

2014 Finalist - Red Dot & IDEA

**4.Target User:** Anyone but benefit the most to those with cognitive (such as Alzheimer's and other dementias), motor (Parkinson's disease, various scleroses), Visual (Low vision) and physical (injury, infirmity) impairments.

Small children those are learning eating skills.

## 5. List of product features

Color study:

A research conducted by Boston University states that by simply changing the color of the tableware to a contrasting solid color such as red or blue, people with dementia can consume 24% more food and 84% more liquid. We also use red and yellow to help stimulate appetite.

We made two bowls and spoons

- ✓ Both of the bowls are in solid colors for to help people distinguish the food. The inside of the bowls are blue since there is no blue food. The outside colors are red and yellow, which can stimulate the appetite.
- ✓ The right angle side of the bowl is designed to help users get the food into the spoon more easily and also to prevent the food from dropping out of the bowl.
- ✓ The slanted bottom design can help users to gather food on one side without scooping. The radius between the wall and the bottom can fit the shape of the spoon and can be used to get food easier.
- ✓ The lip is angled to help the soup to flow back into the soup bowl when the soup drops onto the lip.
- ✓ The extruded handle (tab) can help caregivers recognize the right side of usage and also makes extra space for the hand to hold the bowl without touching the food/ inside.
- ✓ The bottom of the bowl is made out of soft plastic which can prevent the bowl from slipping and food from spilling out.

We also made two spoons to work with these two bowls.

- ✓ The spoon head is made out of metal to prevent cracking.
- ✓ Both soup spoon and food spoon are designed to match the curve of the plate and the soup bowl. To help work with the movements of people with Dementia using the spoon, one side matches the curvature of the rim, and the head of the spoon matches the wall curvature.

- ✓ The bottom part is flat to match the flat bottom of the plate and the soup bowl as a guide for people with Dementia to use the spoon in the right angle. It also can help people with Dementia to rest their arm when holding a spoon.
- ✓ The handles of the spoon are designed on a degree slant to match the shape of the hand when holding a spoon.
- ✓ There is a hinge between the spoon head and the handle to stop the fingers from holding and towering the spoon head.
- ✓ The length of the handle is designed longer than the bowl to prevent it from dropping into the bowl.

The most common problem for drinking liquid is that since they will have depth perception problems, they only see objects in 2 dimensions or they appear to be flat. It's hard for them to estimate the distance between themselves and the objects in front of them. It makes them knock over cups again and again and frustrates themselves and caregivers easily. Since muscles near the throat get weaker as they age, they choke on water easily. Sometimes caregivers will give them a straw instead. But the straw does not always stay in place. What we have done to solve these problems is that:

We designed two cups. They are both designed to prevent tipping and slipping.

- ✓ The red cup is suggested for cold drinks. There is a soft plastic over-molded to the bottom of the cup. It is used as a stabilizer to help prevent the cup from tipping over.
- ✓ The yellow cup is suggested for hot coffee and tea. It has a handle which extends to the table in order to add some traction to prevent the cup from tipping over.
- ✓ Both cups have a lid to prevent spills and hold a straw in place to prevent choking.
- ✓ The extrude part of the cup guide user to close the lid into right position when the straw penetrates through the opening, it will touch the right side of the lower bottom of the cup.
- ✓ The slanted bottom design can help users to drink all fluid in the cup.
- ✓ The handle is wider than usual. It provides an alternative way to hold the cup, and benefits the users who may have arthritis.

- ✓ The tab on the lid gives more leverage to open the lid

The last problem we want to solve is that we know caregivers have to clean up the table and floor every time after a meal since the food drops everywhere.

We are planning to produce the last piece in 2018-2019.

- ✓ A tray can simply help caregivers serving the food.
- ✓ The tray itself, which is considered a separate eating area, makes high contrast between the table and the tray, also between a tray and tableware. It helps users focus on the dining experience.
- ✓ It has a special design for caregivers to clip the apron on the edge of the tray to catch food that drops between the table and the mouth.
- ✓ It has a slanted handle for easy storage.