

Developments in Personalized Nutritional Diagnostic for Improving Health

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DSM NUTRITIONAL PRODUCTS

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Dr. Andrea Bulbarello does not have any Conflict of Interest with the Symposium



Meaning

Personalized: *“used to describe an object that has someone's name on it, or that has been made for a particular person”*

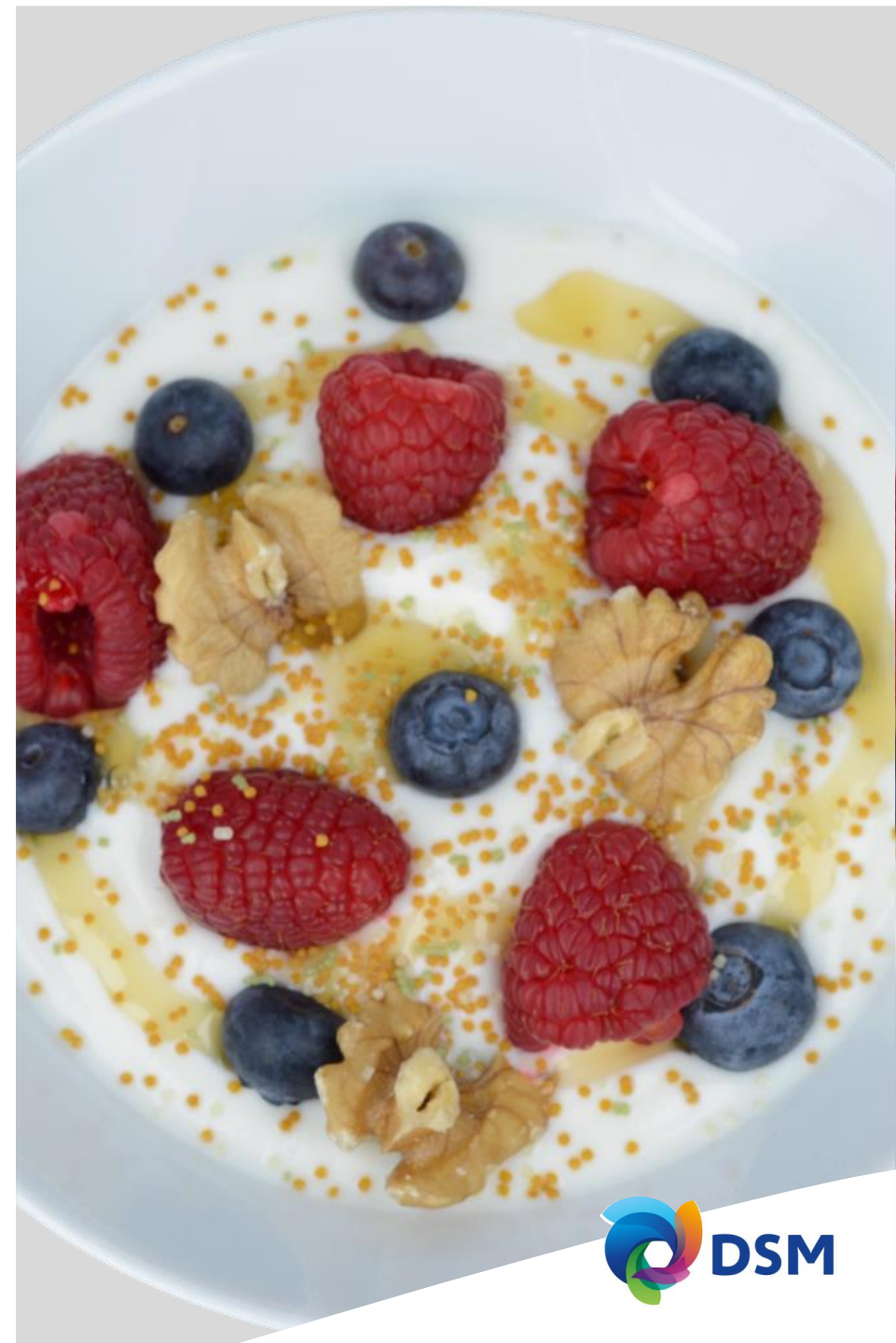
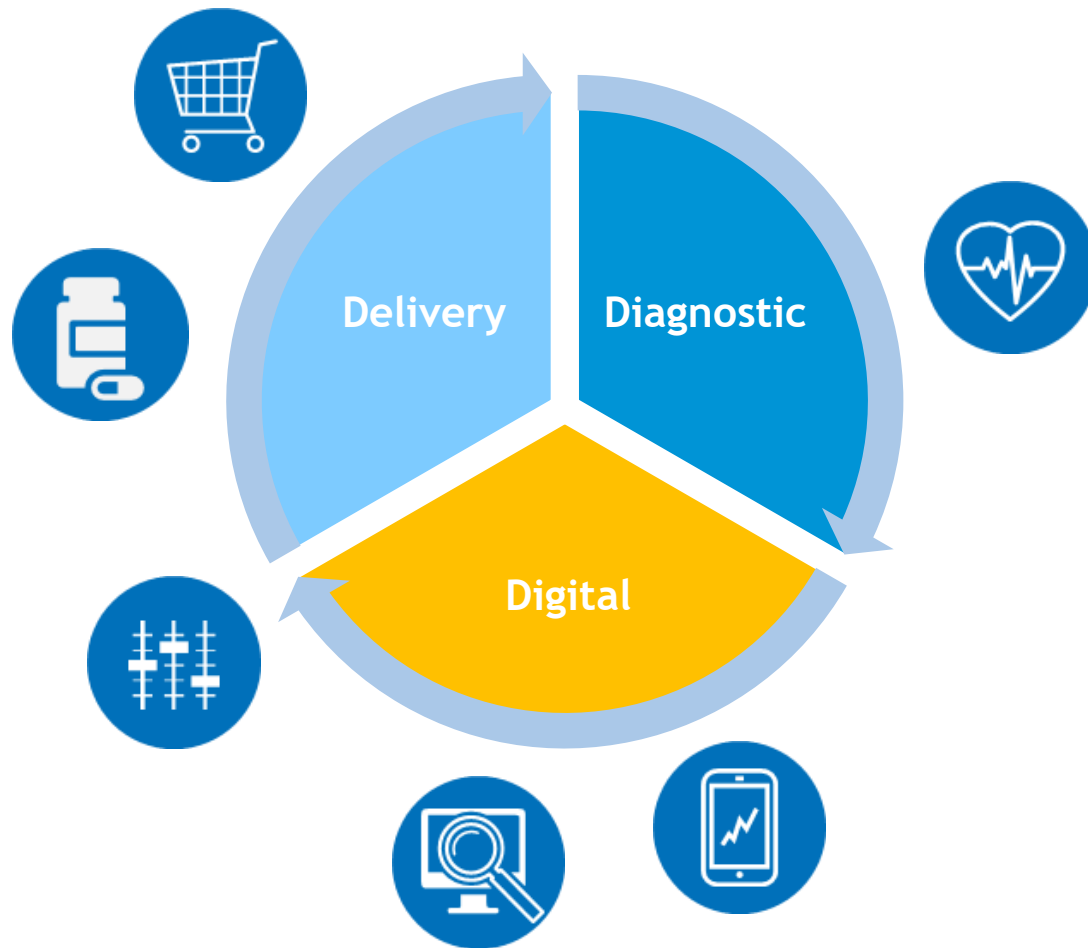
- Root “Personal” → Latin: “Persōna” → Greek “Prósôpon”: meaning **“Mask”**... **expressing the singularity of each individual**

Precision: *“the quality of being exact”*

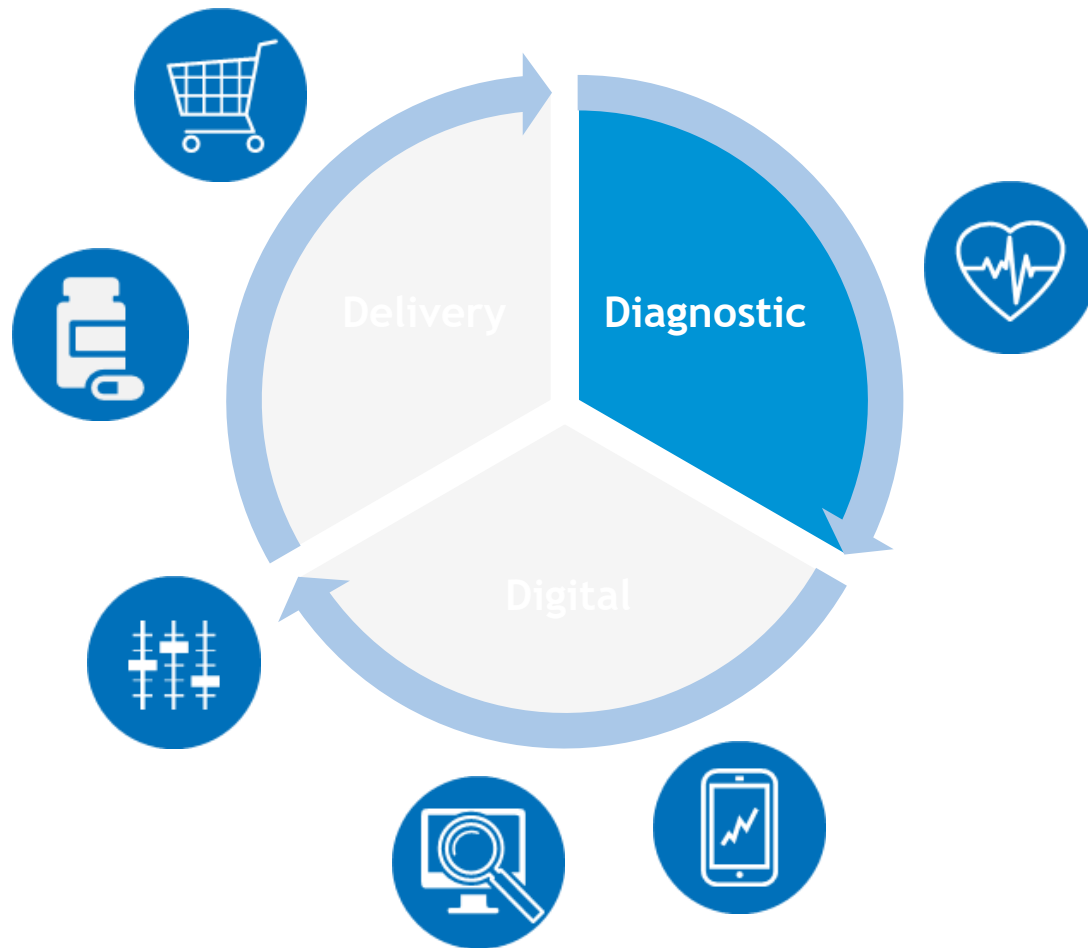
- Latin: “praecidĕre” → **cut, remove the needles**



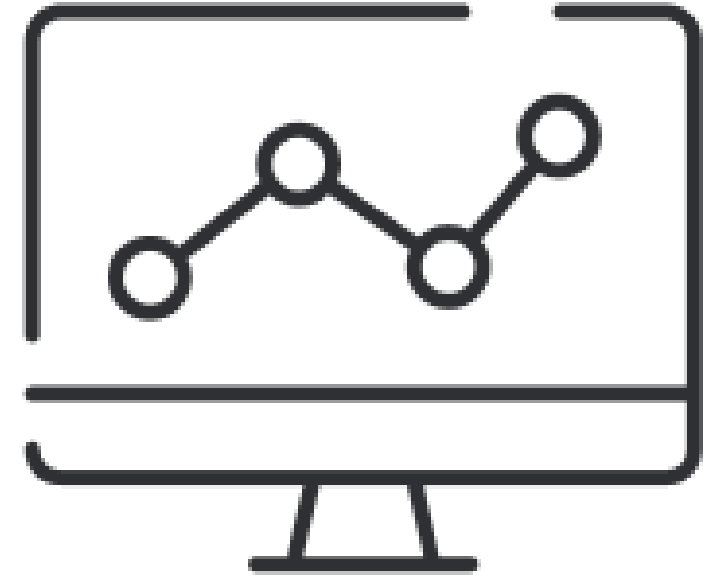
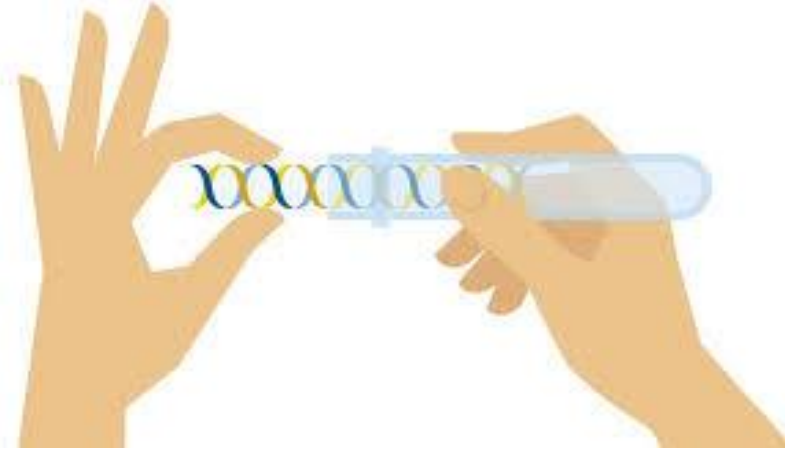
The P&P Nutrition “Cycle”



The P&P Nutrition “Cycle”

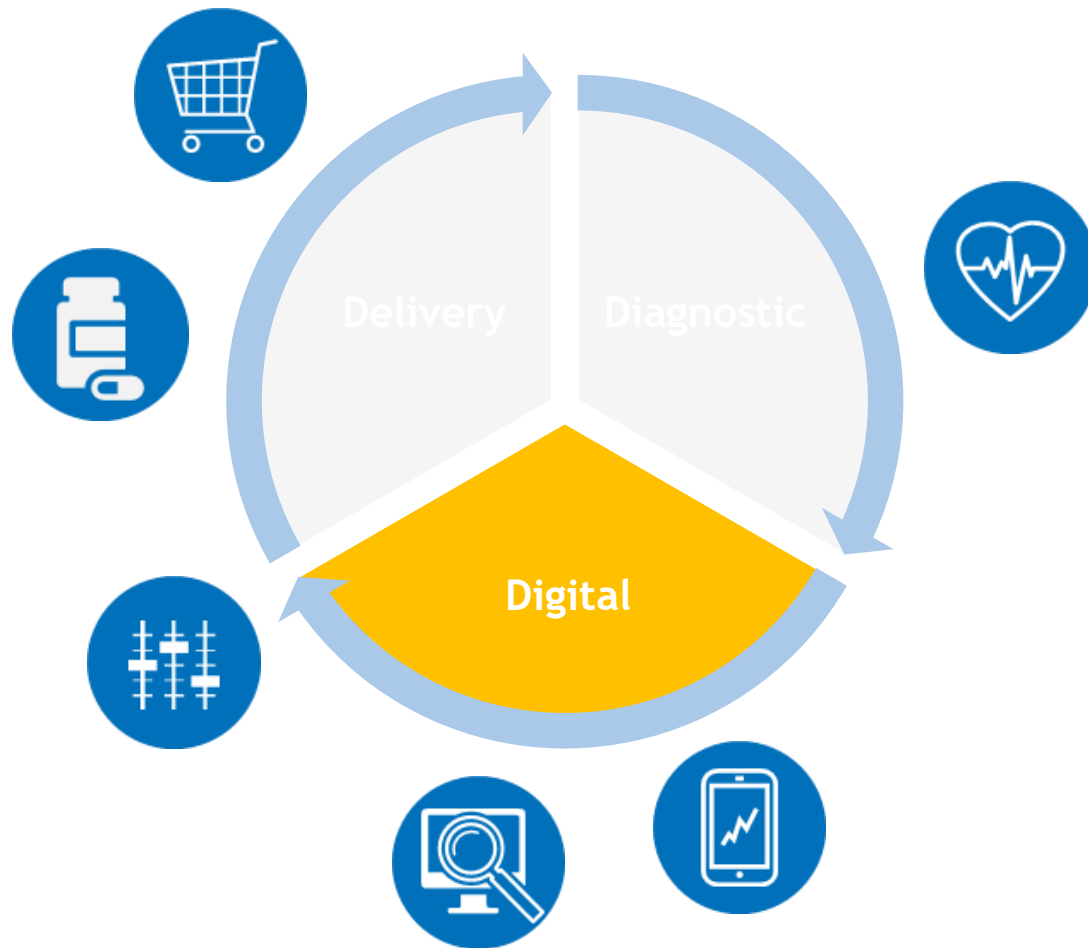


Diagnostic: “The art of distinguishing”

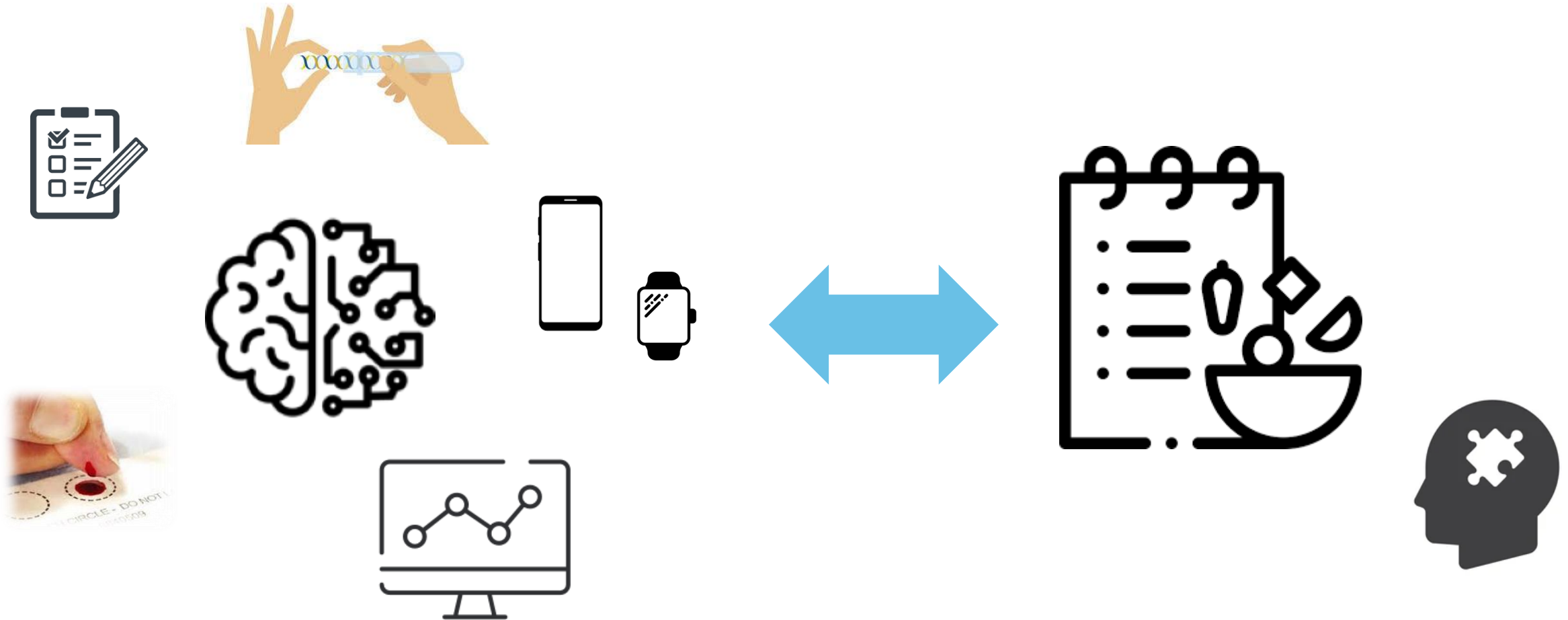




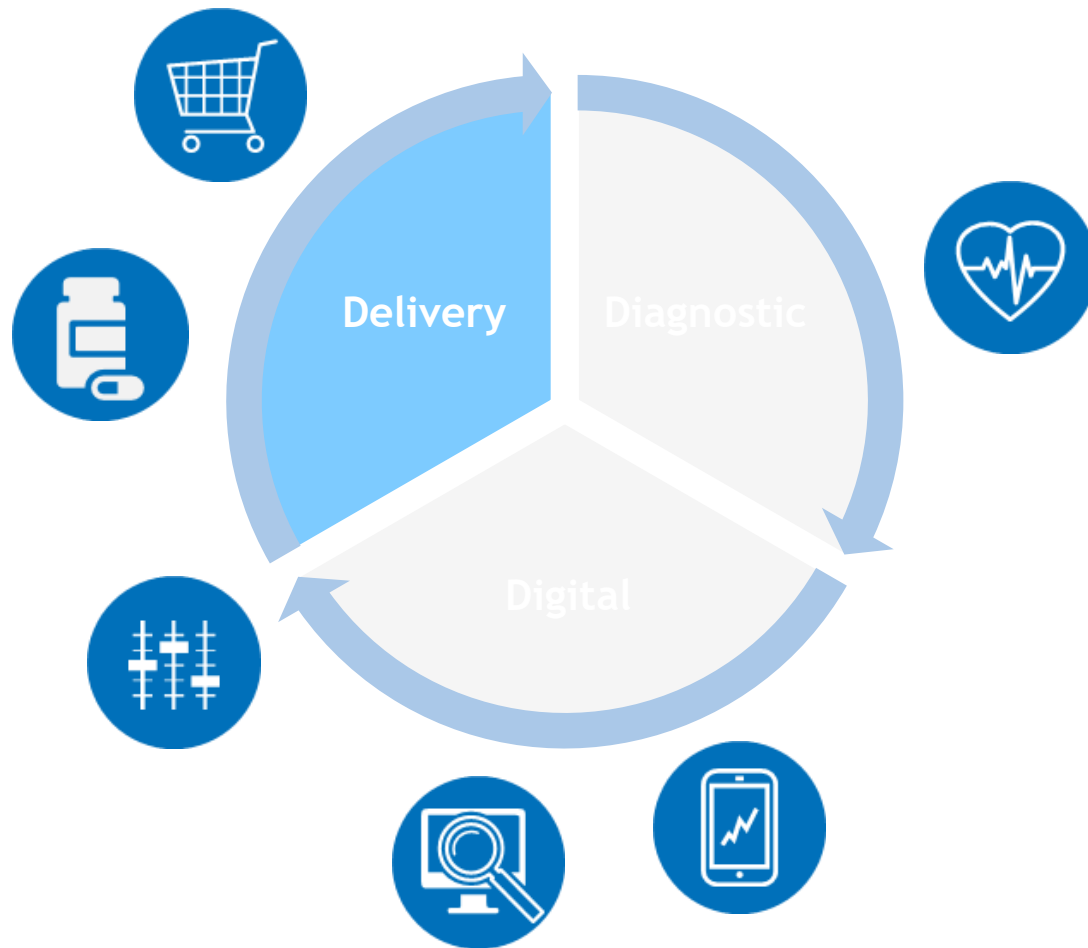
The P&P Nutrition “Cycle”



Digital: the Personalization and Precision Brain



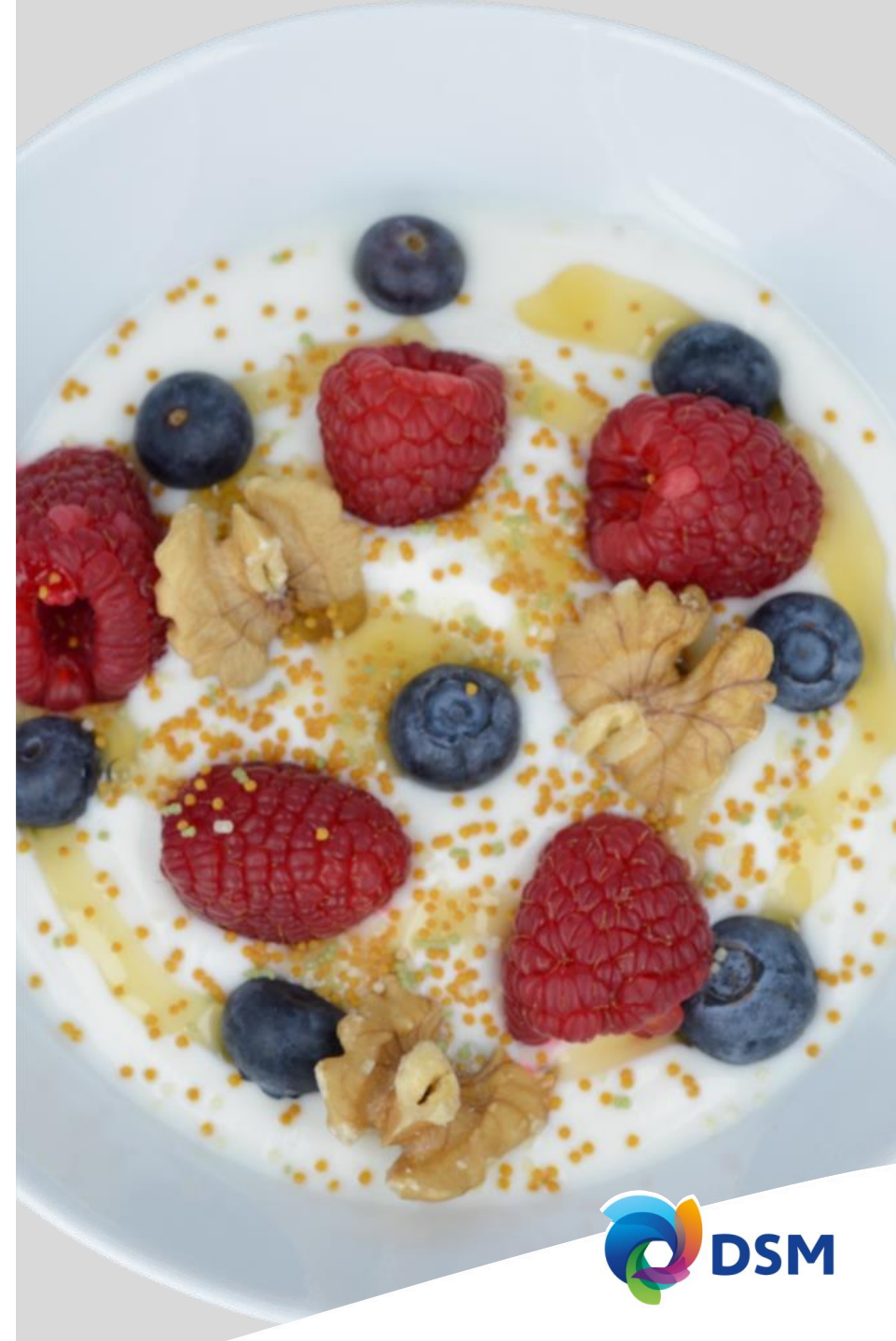
The P&P Nutrition “Cycle”



Delivery Systems – Today



Delivery systems - tomorrow



Example: Personalized Immunity



🔄 Normally it can take months for the body to reach optimal vitamin D levels →




How it works 3x faster than vitamin D



Calcifediol is the most common form of vitamin D in the body. It is also the more bioavailable vitamin D form, hence better absorbed by the body. This helps in reaching optimal vitamin D levels faster. ampli-D® is DSM's calcifediol product, clinically proven to optimize vitamin D status 3x more quickly than ordinary vitamin D.^{4,5,6}

The digital platform




Your coaching team

Offline

Hey Immunity champion! Thanks for inviting us to be part of your immune health journey. I'm Nichole and I lead the team of d.velop™ Registered Dietitians (RD). Looks like your baseline Immune Score is 56. I'm here to help you optimize your immunity. So, first up, do you have any questions about your score, nutrition or immune health in general?

Read




Your coaching team

Offline

Immunity champion, did you know that d.velop™ vitamin D is in the ready-to-use form of vitamin D called calcifediol? Unlike standard vitamin D supplements, calcifediol can be absorbed directly into the bloodstream making it three times more efficient in improving your vitamin D levels than the vitamin D you are used to seeing on shelves. We're here to help you

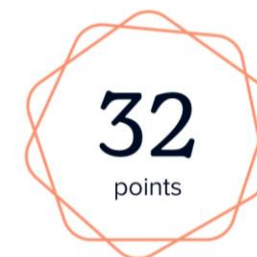
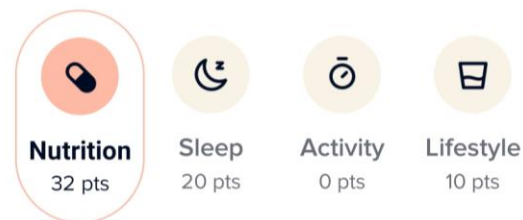
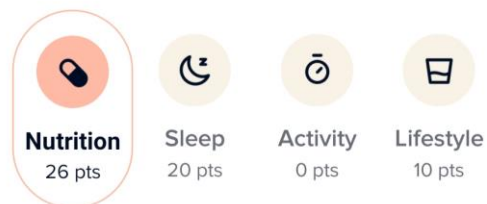


 Eat immune boosting foods to get the nutrients your body

What's affecting your score ▾

Immunity

Risk



Today's nutrition


32 of 50 possible points earned



Try to eat immune boosting meals every day

Get meal ideas

The lifestyle approach

 Eat immune boosting foods to get the nutrients your body

What's affecting your score 

Immunity

Risk

MODERATE

New York County

New York

Your area is experiencing moderate rates of COVID-19 infection, averaging 69 cases daily

Personal factors to consider



You are not at an elevated risk of complications should you become sick

COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University

Recipes

Personalized recipes to give a boost to your daily score

 Search recipes

Joe's Special Scramble



Spinach and Rice Stuffed Bell Peppers



Emeril's Boston Clam Chowder Recipe



Vegan Chocolate Banana Breading



Add your blood test kit code and track results

For the fastest results, we recommend scanning with your phone camera

Sample Collection Card



USAD00000

Name

Date of Birth

Collection Date

Email Address



Scan with phone camera

Type in code manually

Final considerations

- Diagnostics is becoming more and more the personalized and precision nutrition enabler; however, diagnostic does not mean only PoC
- Data analysis through AI will become soon the most powerful diagnostic ecosystem
- Personalized Nutrition can also tackle specific health benefits rather than general wellbeing. By focusing on a specific HB, personalization becomes more tangible
- New delivery systems technologies will enable precision and personalized nutrition, decreasing the overall costs of it

