

Infographics for Effective Knowledge Transfer

PAVRO Live 2017

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What's an Infographic?

An Infographic is...

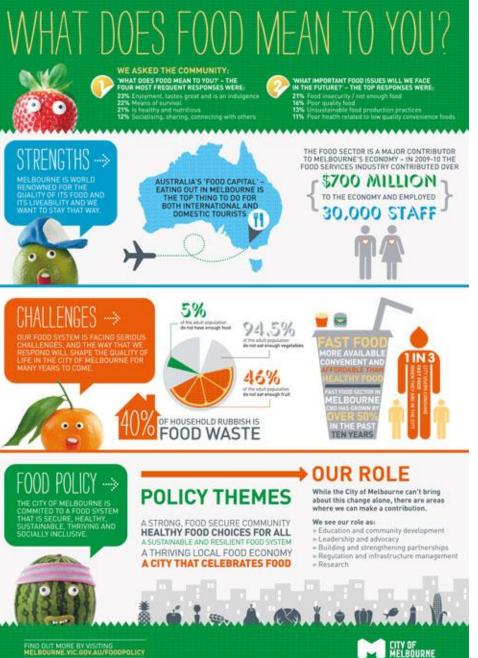
a visual representation of data, information, or knowledge used to convey information quickly and clearly

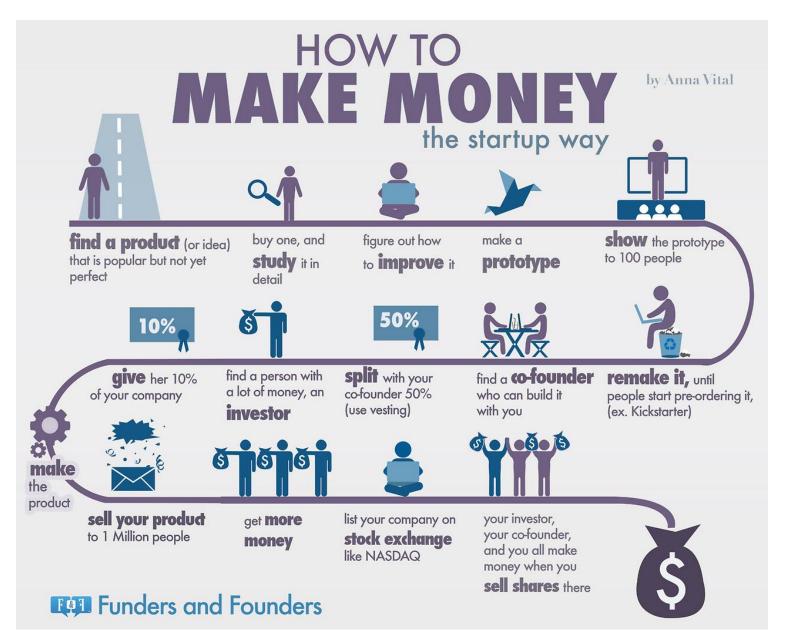
- Jim McDonald, School of Media, Ryerson University

DIABETES BY THE NUMBERS **TOTAL: 25.8 MILLION PEOPLE MORE THAN** DIAGNOSED: 18.8 million people UNDIAGNOSED: 7 million people PREDIABETES: 79 million people NEW CASES: In 2010, 1.9 million new cases of diabetes were diagnosed in people aged 20 years and older **NEARLY** U.S. HISPANICS ARE $66\%_{MORE}$ LIKELY TO BE DIAGNOSED WITH DIABETES COMPARED TO NON-HISPANIC WHITES OF U.S. HISPANICS AGED 20 OR HISPANICS WITH DIABETES OR AT RISK, **OLDER HAVE** HAVE NOT VISITED A PODIATRIST DIABETES **MORE THAN** of non-traumatic COMPREHENSIVE FOOT CARE The feet can reveal diabetes warning signs such as numbness, redness, swelling, or non-healing wounds. Making at least two appointments a year with today's podiatrist, the foot and ankle expert, to have your feet examined is a critical step in avoiding diabetic foot complications and amputation.

Health data

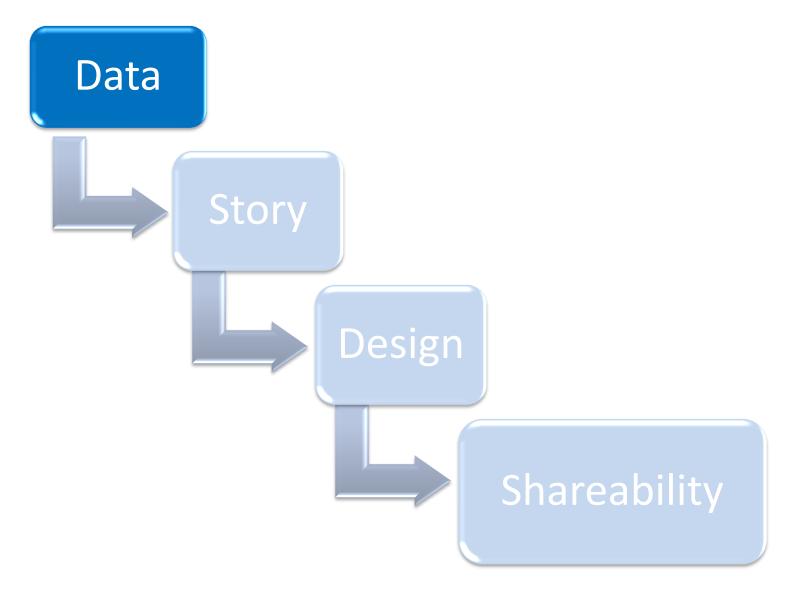
Municipal food policy

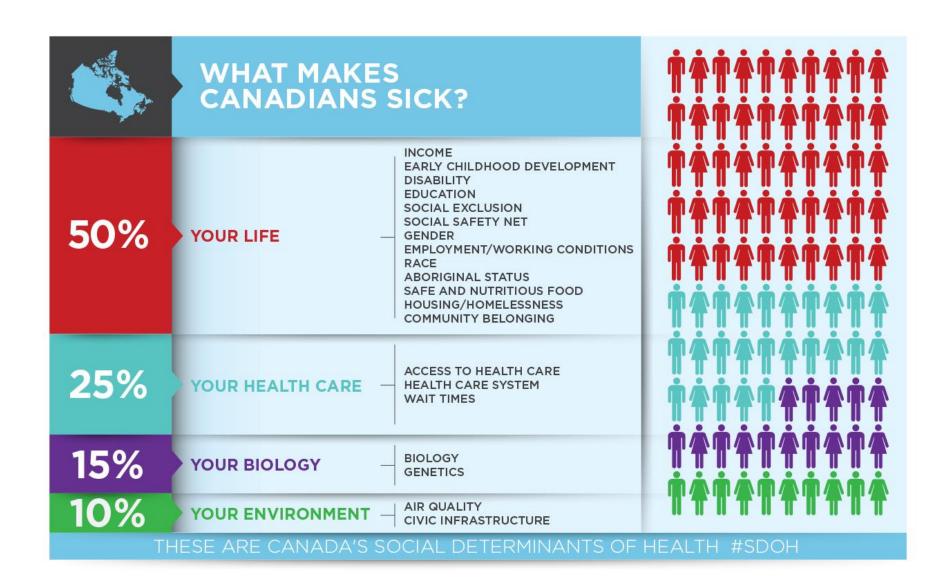




Just about anything...

So, what makes a good infographic?





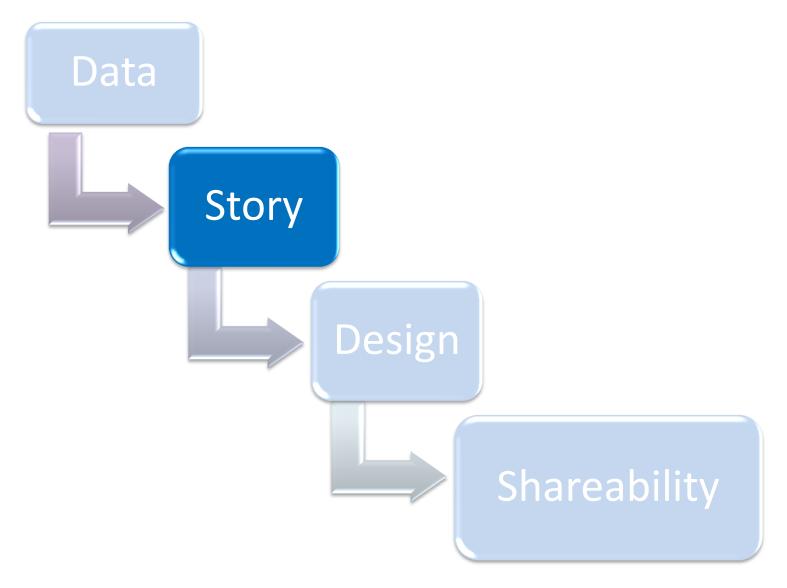
How Quitting Smoking Changes Your Body

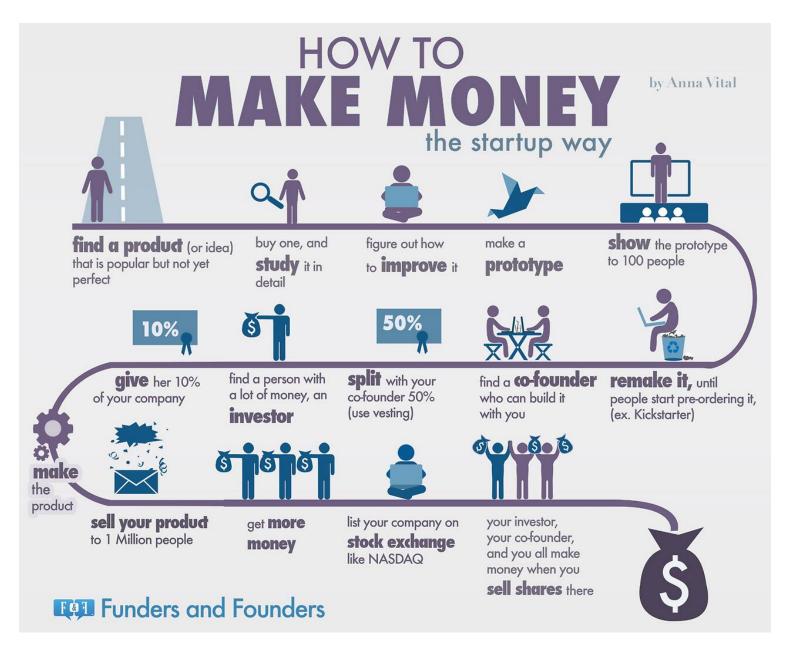


Be sure to...

- Avoid distorting data
- Always use credible sources

So, what makes a good infographic?





Just about anything...

No different than any other presentation.

- Content
 - Tell a story
- Time
 - Can be read in 60 90 sec
- Engage
 - Keep a running narrative
 - Have a conversational tone
 - Thoughtful design

Show, don't tell!

watches up to 8 hours of screens every day.



Over a week, that's more time than their parents spend at work. Meanwhile,

92% of Canadian kids

of Canadian kids would rather play with their friends than watch TV.



So from March 23 - 29, let's get our families to Unplug & Play and get outside for some good ol' fashioned fun.







participACTION.com

LET'S GET MOVING, CANADA!



3 - 4 year olds spend

50% of waking hours being SEDENTARY.



For 5 – 11 year olds it's

57%

and

68%

for 12 – 17 year olds. For adults, it's OVER

1 OHOURS
A DAY!

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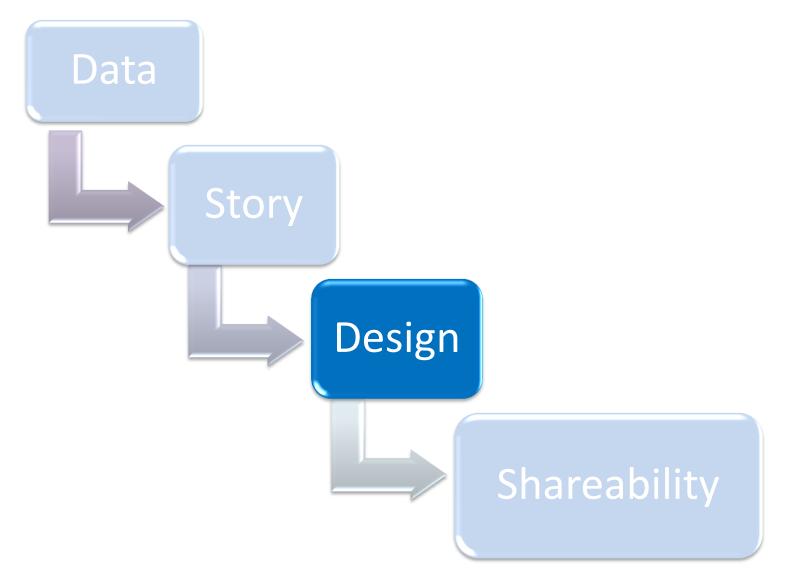
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Source: Active Healthy Kids Canada (2013). Are We Driving our Kids to Unhealthy Habits? 2007-2011 Canadian Health Measures Survey

participACTION.com

So, what makes a good infographic?



Graphical displays should...

- Show the data
- Induce viewer to think about substance
 - vs. methodology, graphic design, software used
- Make large datasets coherent
- Encourage the eye to compare different pieces of data
- Serve a reasonably clear purpose
 - Description, exploration, tabulation, or decoration

Gestalt Principles of Visual Perception

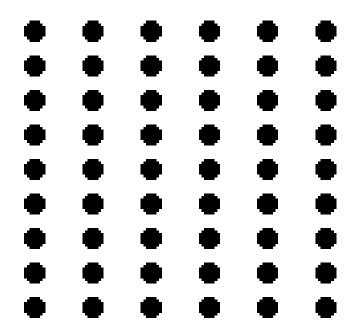
Gestalt Principles of Visual Perception

- Movement in experimental psychology which began prior to WWI.
- Gestalt psychology tries to understand the laws of our ability to acquire and maintain meaningful perceptions in an apparently chaotic world.
- We perceive objects as well-organized patterns rather than separate components.
- "The whole is other than the sum of it's parts." (Kurt Koffka)

Three Main Principles

- Laws of Grouping organize the visual scene into units – proximity, similarity, continuity, closure.
- The Law of Prägnanz, or Goodness of Figure creates the simplest most meaningful pattern.
- Figure/Ground relationships define important parts of the graphical display.

Grouping: Law of Proximity

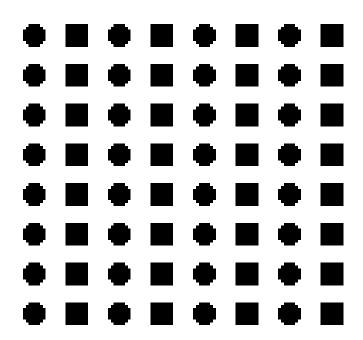


Use of Proximity

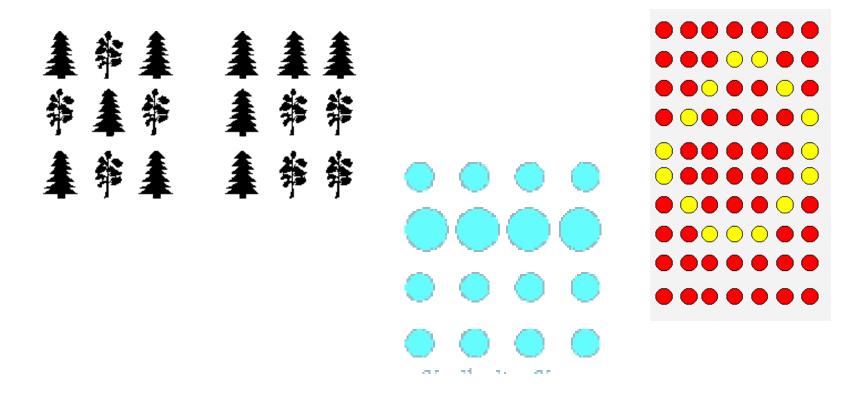




Grouping: Law of Similarity



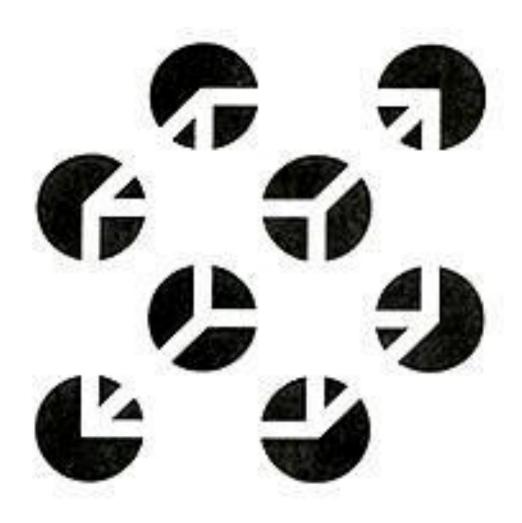
Grouping: Law of Similarity – Shape, Scale, Colour



Law of Continuity

Or Law of Good Continuation
Objects arranged in either a straight line or a smooth curve tend to be seen as a unit.

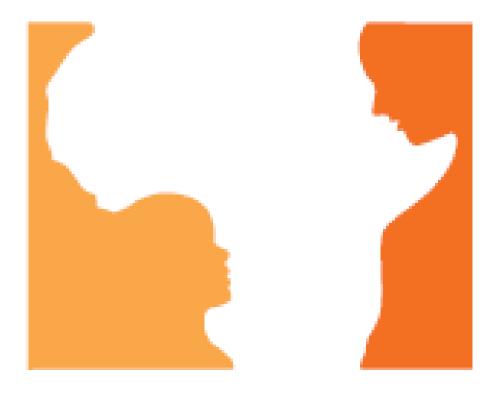
Law of Closure



Use of Closure



Law of Prägnanz



Also known as the Law of Simplicity, or Goodness of Figure.

Prägnanz is German for pregnant, but in the sense of pregnant with meaning, not with child.

29

Law of Prägnanz



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The Law of Prägnanz



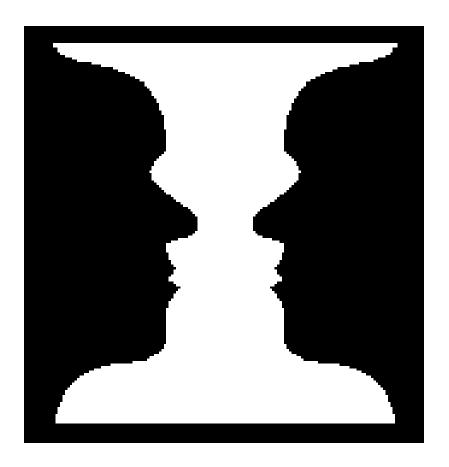
Figure/Ground Relationships

Figure – seen as the foreground

Ground – seen as the background

Contours – "belong" to the figure

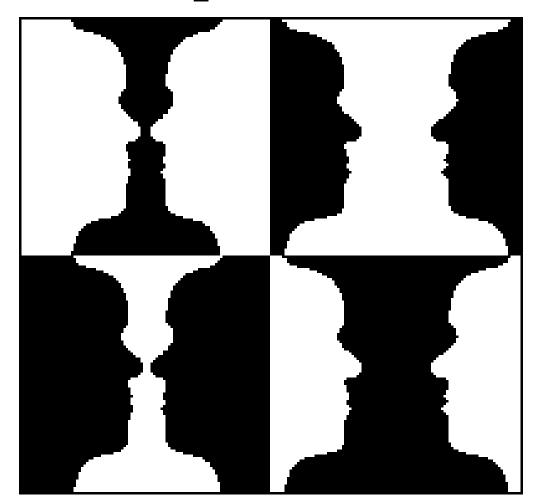
Reversible Figure/Ground Relationship



Reversible Figure/Ground Relationship

Can be affected by the principle of smallness:

Smaller areas tend to be seen as figures against a larger background.



More on Design

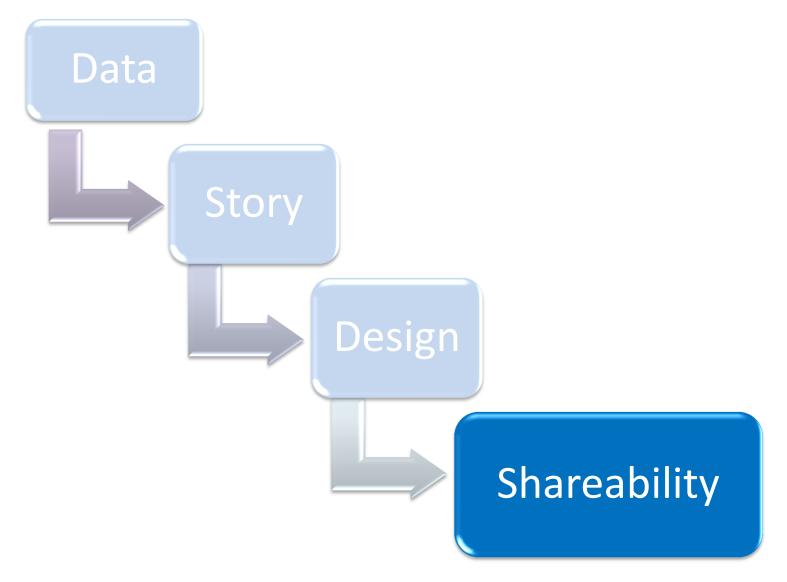
Must have:

- Clear fonts
- Useful icons
- Great photography

Good design is calming and engaging

- Avoid combining photos and icons*
- Appropriate use of space
- Harmonious colours best to use brand colours

So, what makes a good infographic?







Here are 10 facts about hunger in **Syria**, where the World Food Programme (WFP) has its largest and most complex operation worldwide. Please help WFP raise awareness by sharing these facts on Twitter.

FYI only!

10) To fight malnutrition and prevent micronutrient deficiency, WFP is providing Nutributter & Plumpy'Doz - specialized nutritious products – to 240,000 Syrian children this year.

Nutributter

The Case for Vegetables in Public Health Nutrition

living with a chronic disease 5

Heart Disease Type 2 Diabetes Hypertension

Increased vegetable intake is integral to a preventive care approach

Vegetables are energy-poor and nutrient-dense



Low energy and high fibre content increase satiety and aid in weight management

Bioactive components help combat chronic disease

who reported consuming vegetables (and fruit) 5 or more times each day

Proportion of Canadians



Increase in the fresh vegetable component of the Consumer Price Index between Oct 2014 - Nov 2014 alone

Impersonal and personal interventions are needed to increase vegetable intake

The Case for Vegetables in Public Health Nutrition

17,580,000 WI WI WIN

living with a chronic disease 3 in 5

Type 2 Diabetes Hypertension

Increased vegetable intake is integral to a preventive care approach

Vegetables are energy-poor and nutrient-dense



Low energy and high fibre content increase satiety and aid in weight management

Bioactive components help combat chronic disease

40.6%

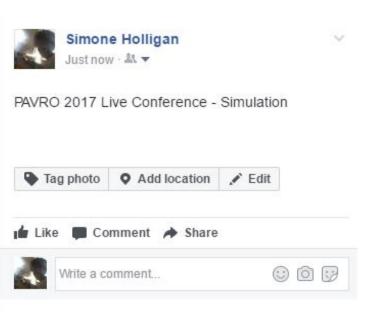
Proportion of Canadians who reported consuming vegetables (and fruit) 5 or more times each day



Increase in the fresh vegetable component of the Consumer Price Index between Oct 2014 - Nov 2014 alone

Impersonal and personal interventions are needed to increase vegetable intake

Bala netrieved from Statistics Canada, 2015 (I), The Public Health Agency of Canada, 2015 (II), and Earmen et al. 2015 (II) Series by Siraces Helligan, PMS Stadard, Farvilly Relations, B App



Suggested Groups



See All

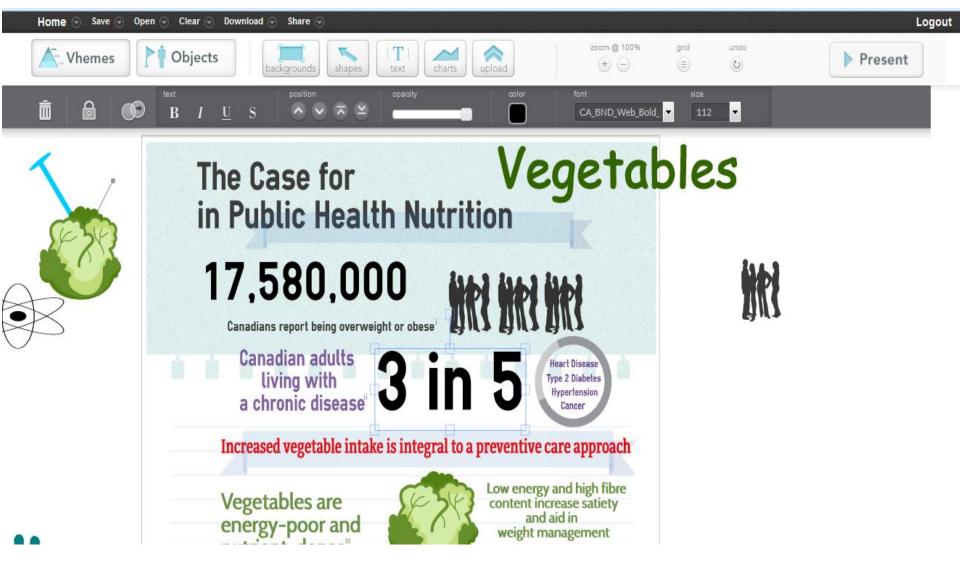
What tools are out there?

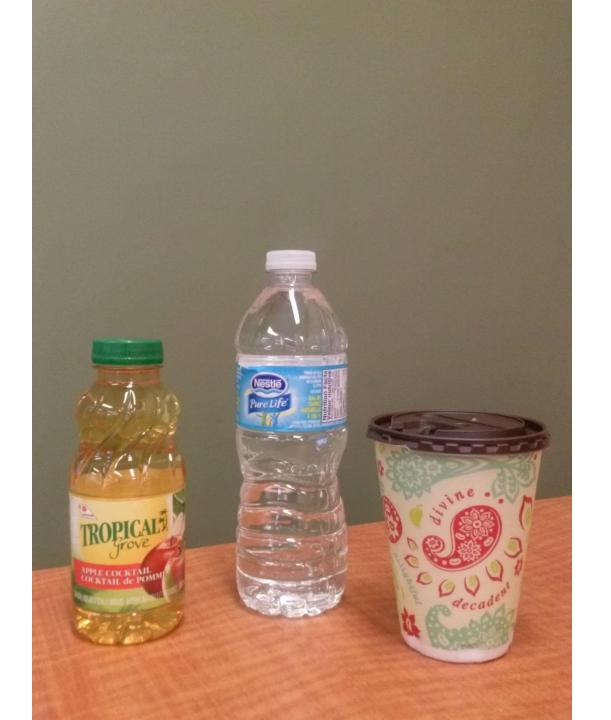
- Piktochart
- Easel.ly
- Visual.ly
- Infogr.am
- Canva
- Venngage
- Vizualize.me
- InFoto (phone app)

For Pictures:

Pixabay

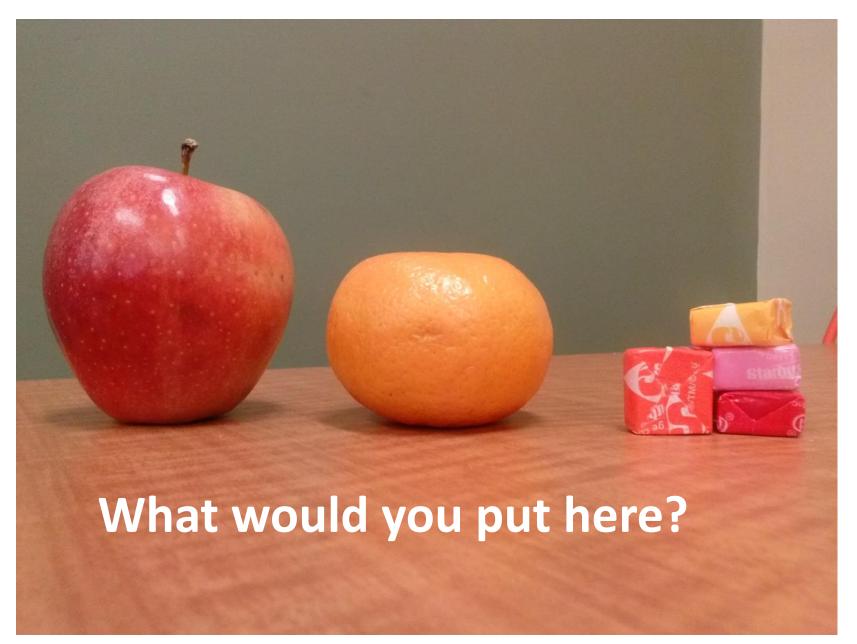
Easel.ly creation tool

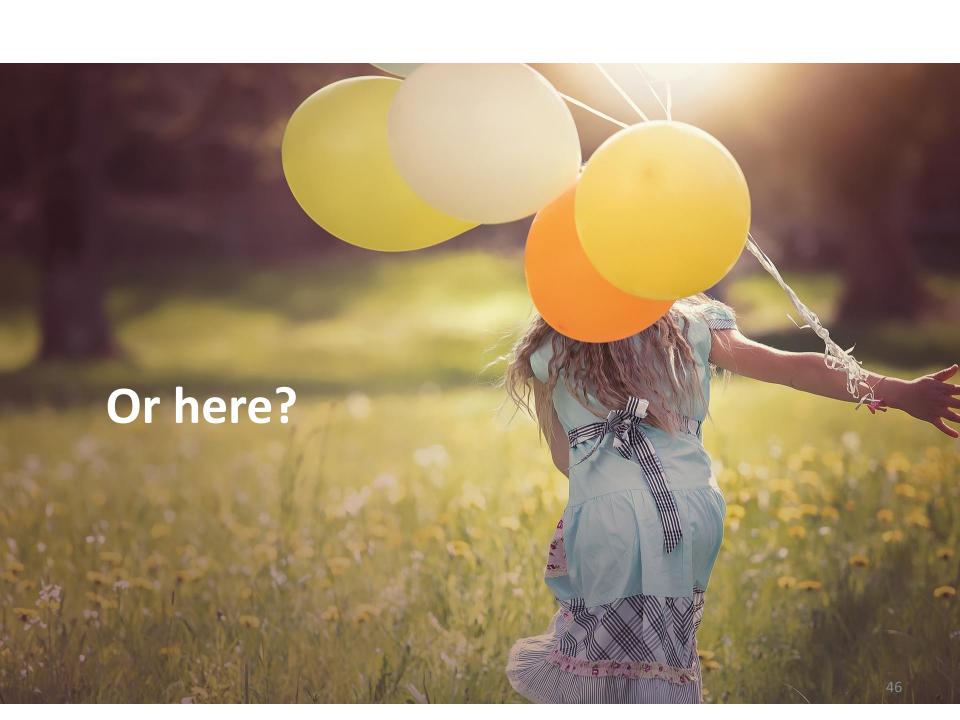




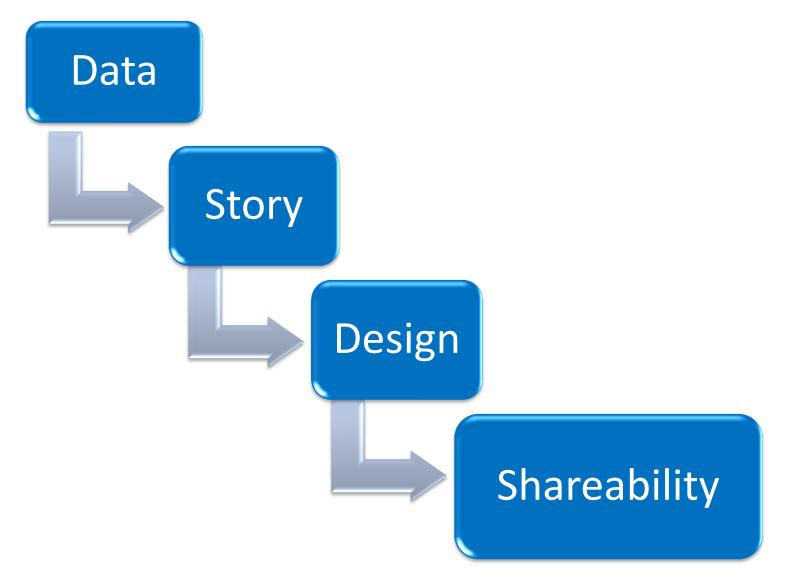








So, what makes a good infographic?



Example Infographics for Stakeholders

- Nutrition International Senegal
- Nutrition International Pakistan
- Nutrition International Kenya
- CBC's Census 2016 Demographic DJ

Keep in Touch!

- emendWELL Research Consulting Inc.
 - Program evaluation, Data analysis & interpretation,
 Knowledge mobilization/transfer
 - Concept mapping, ideation sessions
- Volunteer for beta-testing of our SUBJECTMATTERS™ platform – we need you!
- Email: <u>info@emendwell.ca</u>