MINDTAP
From Cengage

Line Art Specifications

Version 1.0
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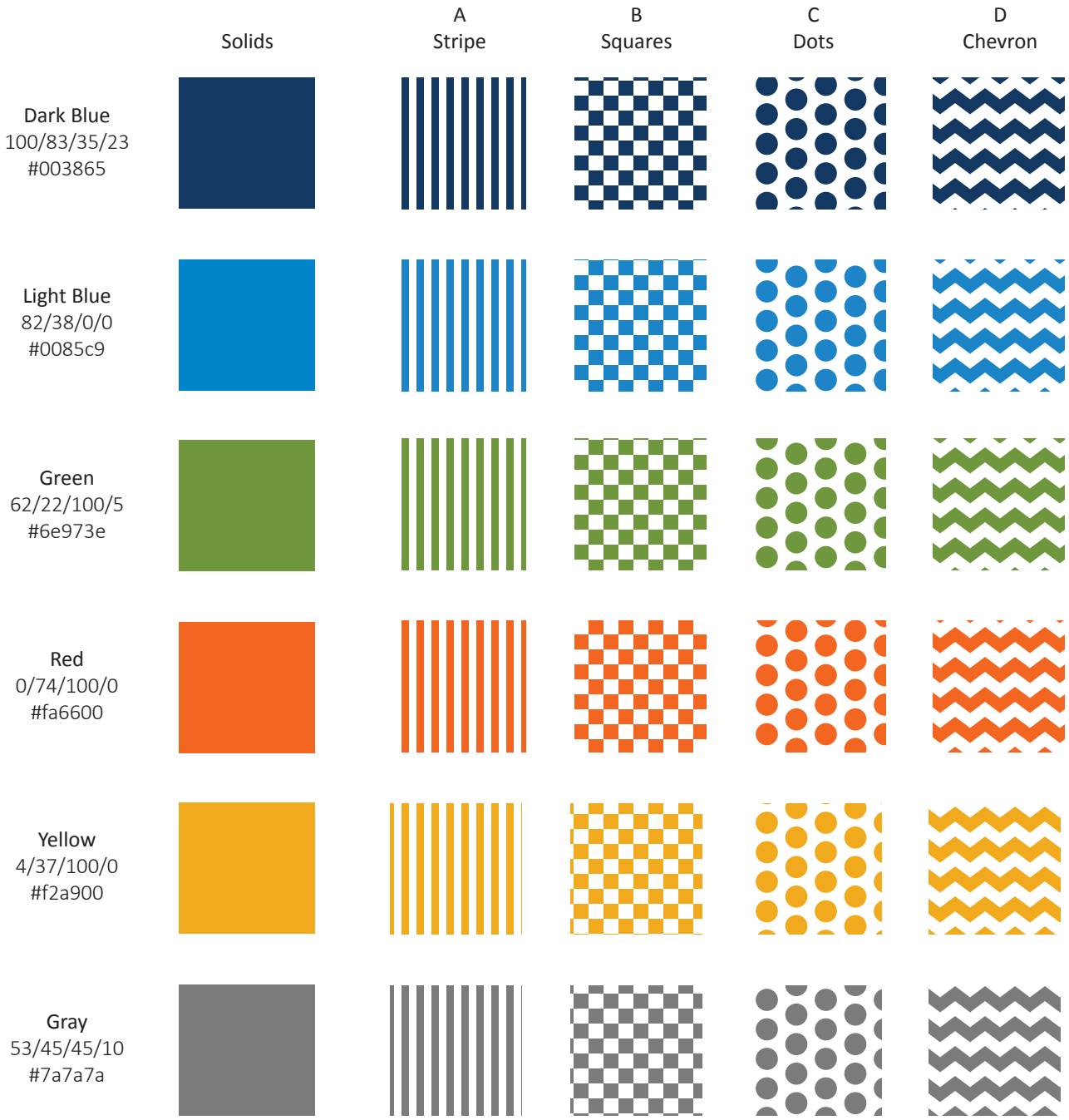
From Cengage

Line Art Specs

Palette and patterns



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Line Art Specs

Palette and pattern guidelines

Color

Colors are adapted from the current Magma Mind Tap palette and are intended to be used in the order in which they appear in the palette-- use solid colors and then patterns, colors further down the list sparingly. In order to meet accessibility requirements, please see page 4 of this PDF.

Pattern

Use of pattern should be introduced as variation from solid colors. Frequency of pattern use is shown in the order in which they appear (A, B, C, D). It is preferable to alternate solids with patterns rather than to set patterns beside one another. Please avoid placing a solid and a pattern of the same color beside one another.

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Palette accessibility analysis

	contrast ratio with white #ffffff	contrast ratio of left column color vs. each of the other palette colors				
Dark Blue 100/83/35/23 #003865	11.97	2.96	3.51	3.97	5.95	3.1
Light Blue 82/38/0/0 #0085c9	4.03	2.96 (close enough)	~~1.18~~	~~1.33~~	~~2.01~~	~~1.06~~
Green 62/22/100/5 #6e973e	3.4	3.51	~~1.18~~	~~1.13~~	~~1.69~~	~~1.25~~
Red 0/74/100/0 #fa6600	3.01	3.97	~~1.33~~	~~1.13~~	~~1.5~~	~~1.42~~
Yellow 4/37/100/0 #f2a900	2	5.95	~~2.01~~	~~1.69~~	~~1.5~~	~~2.13~~
Gray 53/45/45/10 #7a7a7a	3.85	3.1	~~1.06~~	~~1.25~~	~~1.42~~	~~2.13~~

What does it all mean?
Accessibility requires a contrast ratio of 3.0 or greater; color pairs that are no compliant are crossed out. According to this data, you may pair dark blue with any ONE of the lighter colors; if you need to use more than two colors, please begin incorporating patterns in order to preserve accessibility. Use of additional solid palette colors will not guarantee accessibility.

Please note: for obvious reasons this palette solution is NOT ideal, but is the best we can advise with the current palette + technology available.

Typography

Note: Minimum size for type is 16pt per accessibility requirements.

Figure title – Gnuolane Regular 26pt

Set title 100% black, centered at top of screen with 25px margin above. Set in title case. Break title longer than 550px line length into two (or more) lines, with line spacing 26/32pt. Set minimum 25px white space below title/above figure.

Figure caption and type within figure – Open Sans Regular 16pt

Set figure caption 100% black, set below figure with minimum 25px white space between the two. Set caption in sentence case, 16/18pt flush left, ragged right.

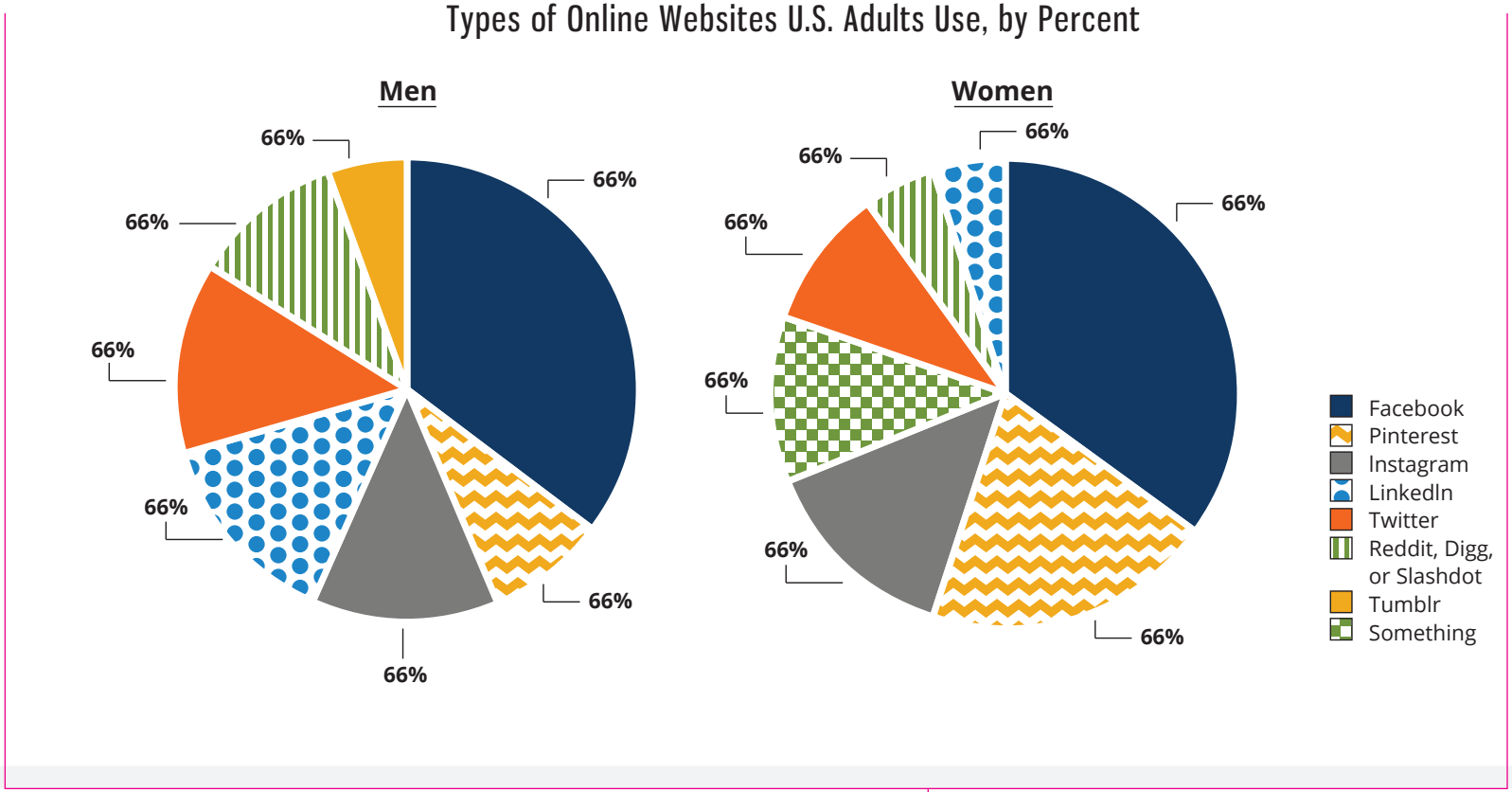
Figure headings and labels – Open Sans Semibold 16pt

Set headings within figures 100% black, title case, 16pt, underlined, centered. Set labels 4pt from pointer line origin.

Rules

Set all rules 100% black, 1px weight. Rules used to separate sections should be set with minimum 5px spacing on either side of rule. Rules used as pointers within art should be set on x/y axes only. Allow 4px white space between rule and what it's pointing to/from.

Figure 2.1



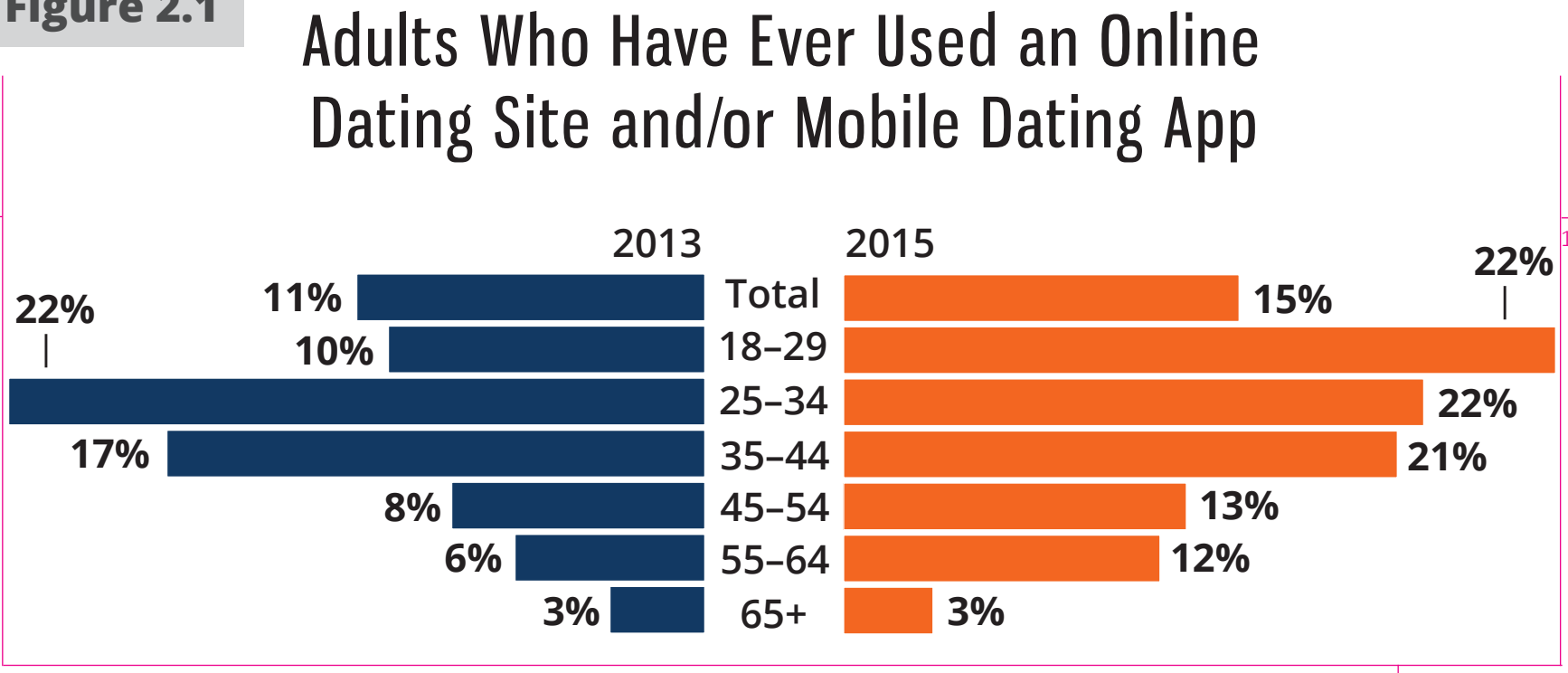
Set art 595 px wide to fit in-line with text column

Art placement in line with text

In order to set art in line with text, set entire art piece centered east/west at no more than 595px wide (height is variable) with no padding included in that width. Set the key in the lower right corner of the frame. This is the default setting. If the figure consists of two or more pieces, you may choose to set them side by side if there is room to set labels/titles according to spec. If setting text according to spec is not possible, it is preferable to set the art stacked vertically with a minimum of 50px between pieces.

Full window is 802px wide with 16px padding on either side (right/left)

Figure 2.1



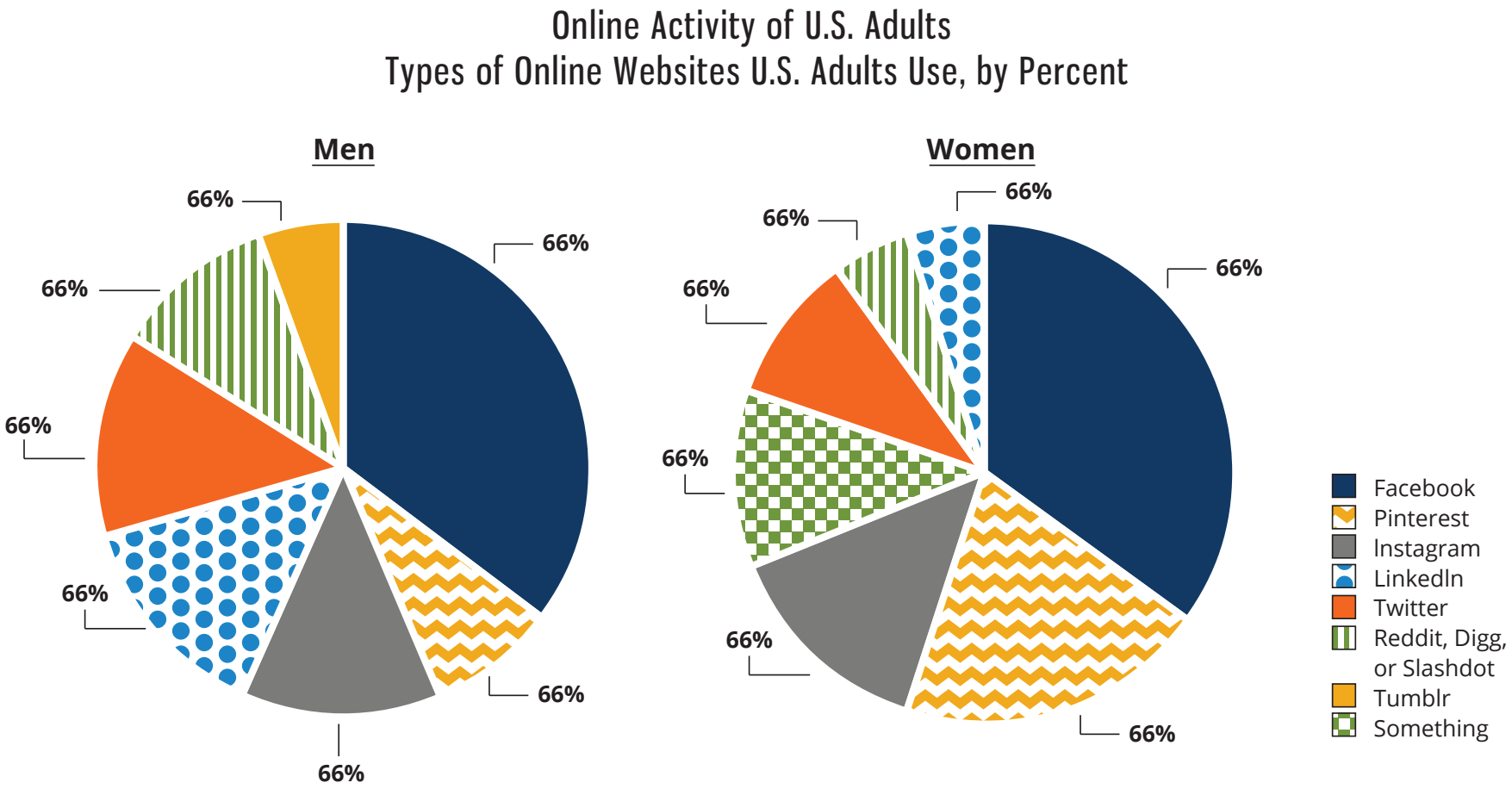
16px

16px

Set art 770 px wide to fit expanded window

Art placement – Expanded

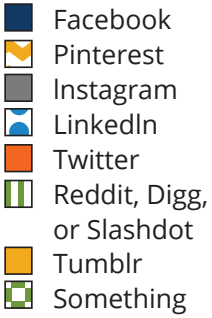
When art is too wide to fit the 595px in-line column, it may be necessary to set the art in the expanded format, which will open a new window outside of the page. Set figures at this width if it is not possible to meet minimum font size requirements at the narrower column width. As with the general art placement specs, this art may be set at any height measure.



Pie Chart

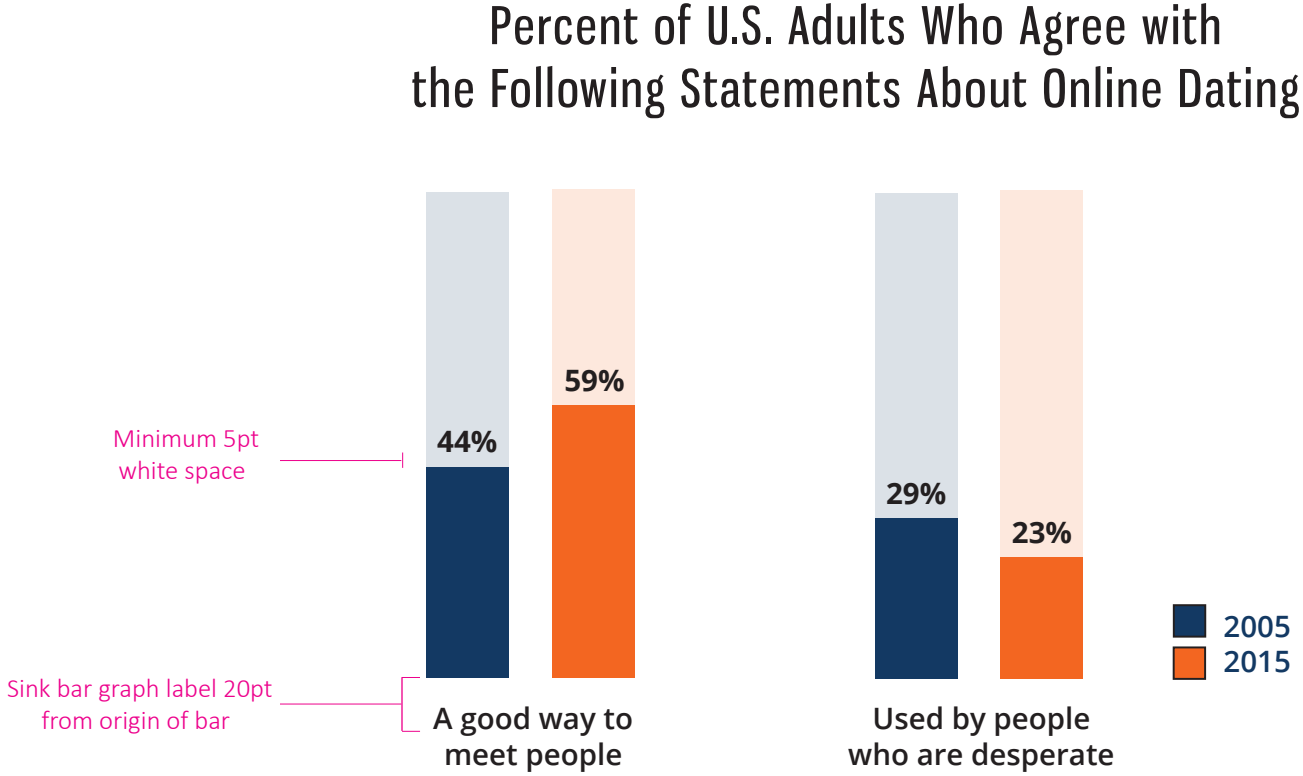
Set pie chart + key centered east/west in frame. Set key aligned in lower right corner of frame. Key is composed of 16px x 16px squares with 1px black outline. Set squares vertically with type set 10px to the right of the squares, flush left. Set type Open Sans Regular 16/22pt; square base-aligns with first line of each row of type. If there are multiple pie charts to set together, set two across column no smaller than 250px diameter per chart. Set pie chart slices according to palette guidelines with a 5px white stroke.

Line Art Specs



Key

Set key aligned in lower right corner of frame with at least 20px clearance between key and edge of frame. Key is composed of 16px squares with 1px black outline. For patterned swatches, set one instance of the pattern repeat within the square. Set squares vertically with type set 10px to the right of the squares, flush left. Set type Open Sans Regular 16/22pt; square base-aligns with first line of each row of type.

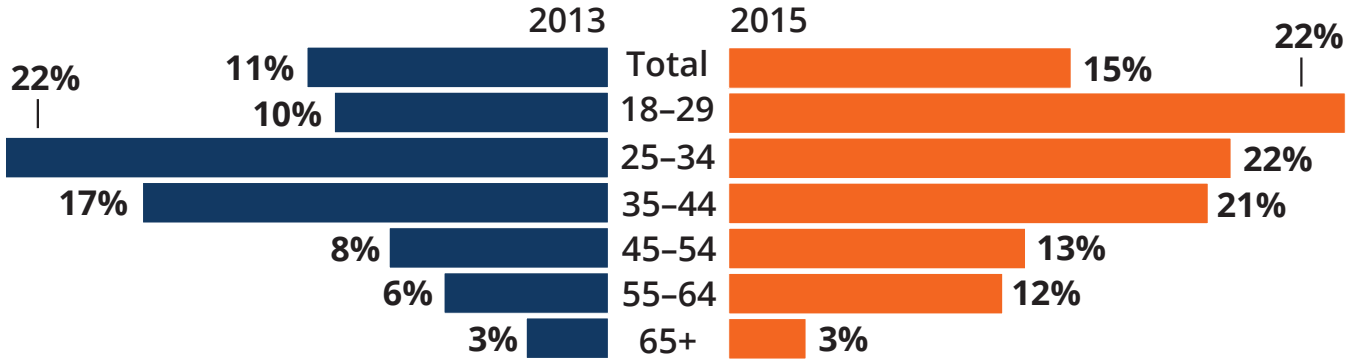


Source: Survey conducted June 10–July 12, 2013. Trend data from previous Pew Research Center survey. Pew Research Center http://www.pewresearch.org/fact-tank/2016/02/29/5-facts-about-online-dating/ft_16-02-29_onlinedatin_attitudes/

Bar Graph

Set bar graph centered east/west in frame. If there are multiple bar graphs included in the same figure, please stack them rather than set them beside one another (the example shown above counts as ONE bar graph). Please note palette constraints: use only solid colors; contrast ratio between the colors should be at least 3.0. Set bar graph label (see "A good way to meet people") black Open Sans Regular, 16pt, sink baseline 20pt from bar origin. Set bar value (see "44%") black Open Sans Regular, 16pt, centered at top/end of bar with minimum 5pt space between bar and numeral. Set key aligned in lower right corner of frame (please use specs for pie chart key).

Adults Who Have Ever Used an Online Dating Site and/or Mobile Dating App

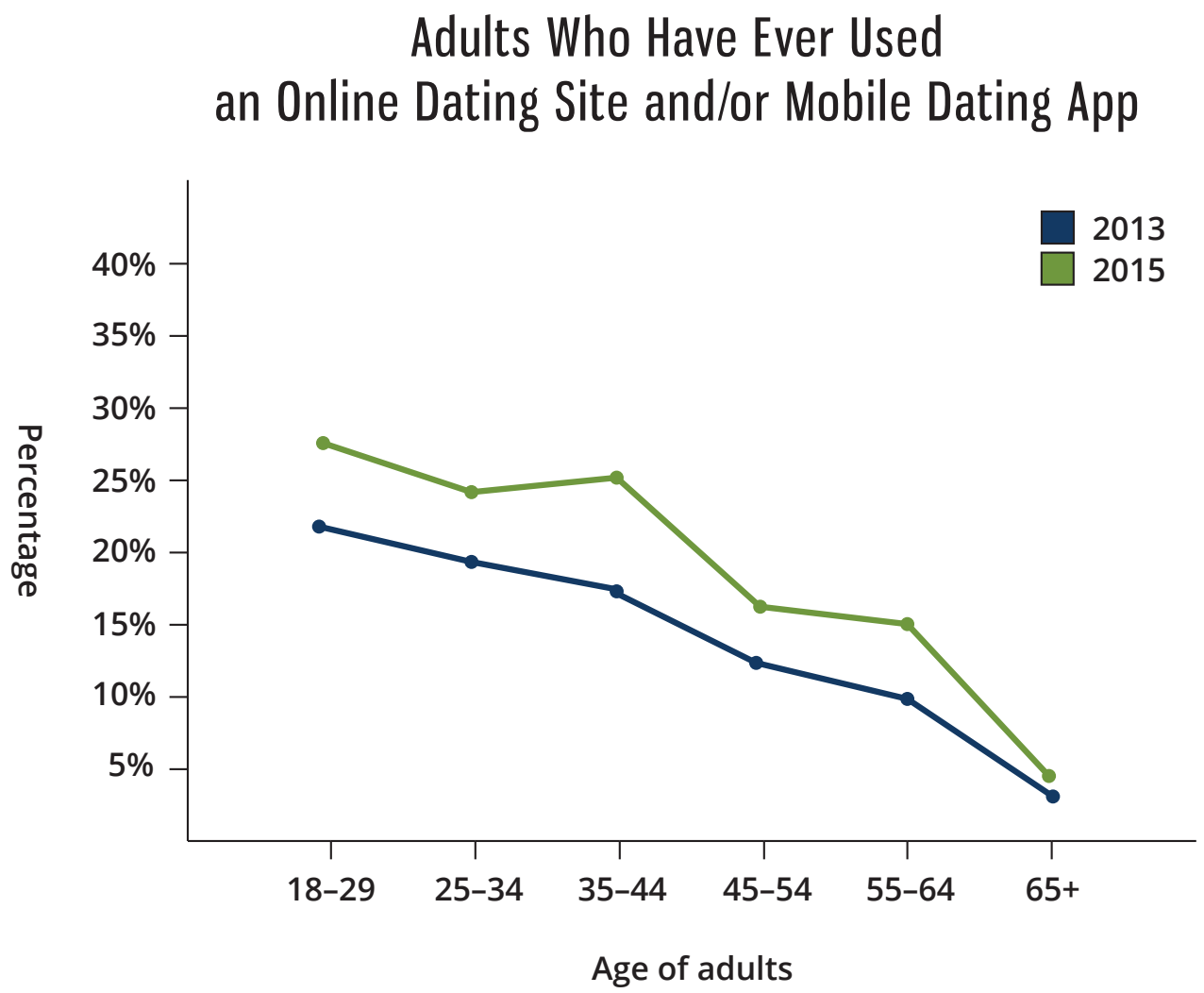


Pew Resesarch Center http://www.pewforum.org/2016/10/26/religion-in-marriages-and-families/
Note: Based on respondents who are married to or living with a partner who is the parent of at least one of the respondent's children.
Source: Survey conducted Sept. 15 – Oct. 13, 2015.
Pew Research Center http://pewresearch.org/fact-tank/2016/11/30/sharing-chores-a-key-to-good-marriage-say-majority-of-married-adults/

Bar Graph

Set bar graph centered east/west in frame. If there are multiple bar graphs included in the same figure, please stack them rather than set them beside one another (the example shown above counts as ONE bar graph). Please note palette constraints: use only solid colors; contrast ratio between the colors should be at least 3.0. Set bar graph label (see "A good way to meet people") black Open Sans Regular, 16pt, sink baseline 20pt from bar origin. Set bar value (see "44%") black Open Sans Regular, 16pt, centered at top/end of bar with minimum 5pt space between bar and numeral. If there is no room to set the bar graph value at the end of the bar, instead set value along long edge of bar with 1 px rule pointing from number to bar. Set key aligned in lower right corner of frame (please use specs for pie chart key).

Line Art Specs



Line Graph

See bar graph specs for setting line graph in frame. For palette, use only solid colors with minimum 3.0 contrast ratio. Set x/y axis 1px rule in black. Set increment marks black and 1px line weight, 9px long. Set values black Open Sans semibold, 16px, leaving 6px clear space between value and mark, centered e/w or n/s. Set value label black Open Sans semibold, 16px, with minimum 12px clear space between value and label. Set key aligned with right edge of graph, preferably within graph itself (please adapt from pie chart key specs). Set graph points as 7px diameter circles. Set lines 3px weight in same color as points.

Table 8.1 Educational Attainments among Persons Aged 25 and Over, by Race, Ethnicity, and Sex, 1970 and 2013

	1970		2013	
	MALES	FEMALES	MALES	FEMALES
High school completion or higher				
White	54.0	55.0	92.7	93.2
Black	30.1	32.5	84.9	86.6
Hispanic	37.9	34.2	64.6	67.9
Asian and Pacific Islander	61.3	63.1	91.6	89.0
Total	51.9	52.8	87.6	88.6
Black	4.2	4.6	20.2	23.4
Hispanic	7.8	4.3	13.9	16.2
Asian and Pacific Islander	23.5	17.3	55.1	50.2
Total	13.5	8.1	32.0	31.4

SOURCE: NCES 2015b

For reference only; table specs are documented in existing MT design

Table

Please note: use existing table design and placement as created for MindTap.