## Appendix 1. Semiotic Elements Found in over 50% of Pictograms (part 1 of 3)

<table>
<thead>
<tr>
<th>Pictogram Category</th>
<th>No. of Pictograms</th>
<th>Semiotic Elements</th>
</tr>
</thead>
</table>
| Take with water     | 14                | **Pictogram specific elements:** A side profile face is seen with an open mouth including the forehead, nose, chin, and neck, a glass of water is tilted toward the mouth, pills and capsules are in the pictograms, the pictogram is in black and white  
                      *Supporting elements:* Black and white, shape (square, square around entire pictogram)  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Internet |
| Take with food      | 13                | **Pictogram specific elements:** Utensils (knife, fork, spoon, plate), food  
                      *Supporting elements:* Black and white, shape (circle)  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Publication |
| Take on and empty stomach | 5            | **Pictogram specific elements:** A stomach is outlined with the word “empty” on the stomach, the pictogram is in colour with a rectangle around the pictogram  
                      *Supporting elements:* Colour (black and white), shape (rectangle around pictogram)  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Publication |
| Do not take with alcohol | 15         | **Pictogram specific elements:** Martini and/or wine and/or beer glasses are shown with a slash through them; the pictogram is in black and white with a square or circle around the entire picture  
                      *Supporting elements:* Black and white, shape (circle)  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Publication |
| Keep in refrigerator | 10               | **Pictogram specific elements:** Refrigerator, one door on top of the other, 3D refrigerator, open refrigerator door, open door of refrigerator has shelves with food items such as juice, fruit and jars shown, one of the two doors closed, medication container with label  
                      *Supporting elements:* Black and white  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Organization |
| Shake before use    | 11                | **Pictogram specific elements:** A medication bottle for liquids is shown vertically with a label, a hand is holding the bottle with four fingers and a thumb seen, there are lines outside the bottle indicating movement, colour is on the pictogram  
                      *Supporting elements:* None  
                      *Written elements:* Written instructions, inside pictogram, written instructions take up significant space and of similar size to pictogram  
                      *Best-rated pictogram source:* Internet |
| Keep out of reach of children | 14     | **Pictogram specific elements:** A profile of a toddler in diapers, a medication container (pill bottle and/or medicine cabinet), child trying to gain access to medication  
                      *Supporting elements:* Black and white, shape (circle, circle around entire pictogram)  
                      *Written elements:* None  
                      *Best-rated pictogram source:* Internet |
| Do not take when pregnant | 14        | **Pictogram specific elements:** A dark, filled-in silhouette of a naked pregnant woman with one arm visible, a slash through the pregnant woman, the pictogram in black and white, a rectangle around the entire pictogram  
                      *Supporting elements:* Black and white, shape (rectangle around entire pictogram)  
                      *Written elements:* Written instructions, text inside pictogram, written instructions take up significant space and of similar size to pictogram  
                      *Best-rated pictogram source:* Internet |

**Appendix 1. Semiotic Elements Found in over 50% of Pictograms (part 2 of 3)**

<table>
<thead>
<tr>
<th>Pictogram Category</th>
<th>No. of Pictograms</th>
<th>Semiotic Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Do not take when breastfeeding</strong></td>
<td>6</td>
<td><strong>Pictogram specific elements:</strong> A 3D profile of a woman breastfeeding is shown with no hair, no clothes and holding a baby at her breast; there is a cross over medication seen as pills/tablets&lt;br&gt;<strong>Supporting elements:</strong> Black and white, shape (square)&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Organization</td>
</tr>
<tr>
<td><strong>Take 1 tablet</strong></td>
<td>5</td>
<td><strong>Pictogram specific elements:</strong> A side profile face with the forehead, nose, eye, mouth and chin are shown, there is one oversized tablet, an arrow sits between the tablet and mouth, black and white pictogram, a square around the entire pictogram&lt;br&gt;<strong>Supporting elements:</strong> Colour (black and white), shape (square around entire pictogram)&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Organization</td>
</tr>
<tr>
<td><strong>Take 2 tablets</strong></td>
<td>5</td>
<td><strong>Pictogram specific elements:</strong> A partial side profile face including the eyes/nose/open mouth/chin/lips, 2 tablets, an arrow between the tablets and the mouth, black and white pictogram, a square around the entire pictogram&lt;br&gt;<strong>Supporting elements:</strong> Black and white, shape (square around entire pictogram)&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Organization</td>
</tr>
<tr>
<td><strong>Ear drops</strong></td>
<td>14</td>
<td><strong>Pictogram specific elements:</strong> One ear is shown, the ear is part of the face/head, one drop of medication between the medication bottle and the ear&lt;br&gt;<strong>Supporting elements:</strong> Black and white, shape (square, square around entire pictogram)&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Organization</td>
</tr>
<tr>
<td><strong>Eye drops</strong></td>
<td>13</td>
<td><strong>Pictogram specific elements:</strong> One eye shown with a pupil, one side of the face is shown with the eyebrow and nose, an ophthalmic medication bottle is present, one drop is coming out of the medication bottle, the patient pulls down the eye with one hand&lt;br&gt;<strong>Supporting elements:</strong> Black and white&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Organization</td>
</tr>
<tr>
<td><strong>For rectal use only</strong></td>
<td>7</td>
<td><strong>Pictogram specific elements:</strong> 3D representation of a naked body between the waist and knees with an arrow pointing at the anus&lt;br&gt;<strong>Supporting elements:</strong> Black and white&lt;br&gt;<strong>Written elements:</strong> Written instructions in black and white&lt;br&gt;<strong>Best-rated pictogram source:</strong> Publication</td>
</tr>
<tr>
<td><strong>For topical use only</strong></td>
<td>6</td>
<td><strong>Pictogram specific elements:</strong> A tube full of cream, cream coming out of the tube, a hand with arrows showing direction of rubbing, cream visible on the skin, black and white with a circle around the pictogram&lt;br&gt;<strong>Supporting elements:</strong> Black and white&lt;br&gt;<strong>Written elements:</strong> None&lt;br&gt;<strong>Best-rated pictogram source:</strong> Internet</td>
</tr>
<tr>
<td><strong>Take in the morning</strong></td>
<td>9</td>
<td><strong>Pictogram specific elements:</strong> Horizon with a partial sun, sun has triangular rays&lt;br&gt;<strong>Supporting elements:</strong> Black and white, shape (square around entire pictogram)&lt;br&gt;<strong>Written elements:</strong> Written instructions&lt;br&gt;<strong>Best-rated pictogram source:</strong> Internet</td>
</tr>
</tbody>
</table>

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### Appendix 1. Semiotic Elements Found in over 50% of Pictograms (part 3 of 3)

<table>
<thead>
<tr>
<th>Pictogram Category</th>
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<th>Semiotic Elements</th>
</tr>
</thead>
</table>
| Take at night       | 15                | **Pictogram specific elements:** Star and moon crescent, bed, bed with pillows  
|                     |                   | **Supporting elements:** Black and white, shape (square)  
|                     |                   | **Written elements:** None  
|                     |                   | **Best-rated pictogram source:** Organization |
| Take 3 times daily  | 8                 | **Pictogram specific elements:** A face with an open mouth, medication (pill and/or capsule visible), using hand to place in mouth, 3 separate sections indicating 3 times of the day (sun rising, the sun fully visible, and no sun with crescent moon), the 3 sections should be merged with one pill per part  
|                     |                   | **Supporting elements:** Black and white, shape (square, rectangle)  
|                     |                   | **Written elements:** None  
|                     |                   | **Best-rated pictogram source:** Organization |
| Inhale using an inhaler device | 5 | **Pictogram specific elements:** A side profile face is shown with the nose, eyes, mouth, chin neck and ear visible; an inhaler is present in the mouth, the hand is holding the inhaler in a pinching position, black and white pictogram  
| Use an inhaler with spacer device | 5 | **Supporting elements:** Shape (square around entire pictogram)  
|                     |                   | **Written elements:** None  
|                     |                   | **Best-rated pictogram source:** Organization |
| Do not drive when taking this medication | 10 | **Pictogram specific elements:** A sedan is presented in side profile with a cross or circle-cross through it, there is a face with an open mouth with tablets in a hand in front of the mouth, the pictogram is in black and white with a square around all  
|                     |                   | **Supporting elements:** Black and white, shape (circle)  
|                     |                   | **Written elements:** Written instructions  
|                     |                   | **Best-rated pictogram source:** Organization |