INVISALIGN® OUTCOME SIMULATOR QUICK REFERENCE GUIDE

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INVISALIGN OUTCOME SIMULATOR QUICK REFERENCE GUIDE

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A STEP-BY-STEP GUIDE FOR THE INVISALIGN OUTCOME SIMULATOR

- Scan patient’s teeth
- Inspect the axis lines
- Create a simulated outcome
- Adjust the simulated outcome (optional)

QUESTIONS? CALL CUSTOMER SUPPORT AT (800) 577-8767

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OVERVIEW

INCREASE PATIENT ACCEPTANCE WITH THE INVISALIGN OUTCOME SIMULATOR

- Chair-side application powered by the iTero/iOC intra-oral scanner
- Intuitive tools allow doctor to modify the simulated final position in real time
- Designed to show prospective patients an image of how their teeth may look after Invisalign treatment
- Enables doctor to show the benefits of Invisalign treatment and to increase patient acceptance for Invisalign treatment
- Application shows a patient his/her own current dentition next to his/her simulated final position
- If a patient accepts Invisalign treatment, the same scan used for simulation is available for Invisalign submission

Invisalign Outcome Simulation does not replace a doctor’s prescription or a ClinCheck treatment plan, and is not used to create an actual treatment plan or to manufacture Invisalign aligners.

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IMPORTANT NOTES

REQUIRES A FULL INVISALIGN SCAN

- Always scan both arches and the bite
- Designed to be used on patients whose teeth can be moved individually
- Simulated outcome is predetermined; however, doctors may adjust individual teeth and treatment goals
- Not designed for patients with missing teeth, partially erupted teeth, implants, bridges, or joined restorative units
- The simulated outcome is not a ClinCheck treatment plan, it does not replace the ClinCheck treatment plan, and it is not representative of the actual final position of a patient’s teeth

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STEP 1: SCAN PATIENT’S TEETH

Open iTero/iOC application from scanner desktop, then open a new prescription
Enter patient data and select “Invisalign” on Case Type menu

Note: iOC users will receive pop-up messages with an orange banner, not blue.

- Scan both arches
- Take a bite scan, when prompted
STEP 1: SUBMIT SCAN

- Send scan
  - Available immediately to run Invisalign Outcome Simulator
  - Available on IDS in approximately 15 minutes

- After scan submission, select “Yes” when prompted to use the Invisalign Outcome Simulator
STEP 2: **INSPECT AXIS LINES**

- Rotate model to inspect and confirm the placement of axis lines on each tooth
- If the axis lines are accurately placed on each tooth, click **CREATE SIMULATION** button
STEP 2: ADD MISSING AXIS LINES

- If axis line(s) is missing, click on incisal edge, cusp tip or top of molar groove to place initial dot.
- Click at gingival margin to place 2nd dot; the axis line will be added automatically.
**STEP 2: ADJUST INCORRECT AXIS LINES**

Click on incisal or gingival dot and drag to adjust incorrect axis line

- Highlighted axis line turns green
STEP 2: UNDO/REDO FEATURES

Please check axis lines and make necessary corrections prior to creating simulated setup.

- **Undo**
  - Reverses the last action you performed

- **Redo**
  - Undoes the last “Undo” action

- **Reset**
  - Resets all axis lines to original position

- The Undo/Redo features allow you to easily correct mistakes and reverse the actions you have performed.
STEP 3: CREATE SIMULATED OUTCOME

After axis line inspection is complete, click the CREATE SIMULATION button.

Processing time is approximately 5 to 7 minutes.
STEP 3: REVIEW SIMULATED OUTCOME

Dual view screen will show:
- CURRENT DENTITION (left) and SIMULATED OUTCOME (right)

If desired, the simulated outcome may be adjusted, go to Step 4
STEP 4: ADJUST SIMULATED OUTCOME

The simulated outcome may be adjusted to improve the outcome and/or correct for errors in the simulation.

- Click on the “Adjust Outcome” button to make adjustments.
STEP 4: ADJUST INDIVIDUAL TEETH

- Click on the tooth that needs to be adjusted
  - Tooth will be highlighted
- Select the adjustment needed from the tooth movement palette
  - Axis of movement is highlighted and appears on the tooth
STEP 4: CHANGING TOOTH POSITION

- Click and drag movement axis with mouse to reposition tooth
  - When mouse is over an axis, the axis becomes highlighted
  - Press mouse button and keep pressed while moving mouse in appropriate direction
  - Release mouse button when tooth is in desired position

- Click on green arrows to change tooth position
  - Slower but more precise incremental movement
STEP 4: TOOTH MOVEMENT PALETTE

Extrusion/Intrusion  Translation (Buccal/Lingual)  Rotation  Crown Angulation (Mesial/Distal)  Root Torque (Buccal/Lingual)  Crown Tip (Buccal/Lingual)

Tooth  Arch  Undo  Redo  Reset

Tooth Adjustment Tab  Arch Form Tab  Undo Last Adjustment  Redo Last Adjustment  Reset All Adjustments
STEP 4: **ADD TREATMENT GOALS**

The simulated outcome may be modified to include advanced Treatment Goals

- Select *Treatment Goals* button to expand the menu options

- Press the arrows to expand/minimize the "Treatment Goals" button
STEP 4: TREATMENT GOALS MENUS

Press the arrows to expand/minimize the “Treatment Goals” button

- **Default:** “Allow IPR” and “No anterior-posterior correction”
- **Select:** “Anterior-posterior correction” to add posterior tooth alignment to the simulated outcome
- **Select:** “Extractions” to virtually extract teeth in the simulated outcome. Individual teeth may be selected from the chart that appears when “Extractions” is selected

Only selected teeth may be extracted, including upper and/or lower bicuspids OR lower incisors
- Up to 1 bicuspid per quadrant OR
- Any 1 lower incisor

Select UPDATE SIMULATION after Treatment Goals have been added/modified

Any changes to the default settings will prompt you to “Update Simulation”
STEP 4: ADJUST ARCH FORM

Click on the Arch Form Tab

Click on the Expand or Constrict arch buttons to adjust arch form
- Select arch to adjust
STEP 4: USING BUTTONS AND VIEWS

- **Basic Buttons:** Perform basic tasks when viewing the 3-D model
- **Basic Views:** Enable viewing from different angles
- **Zoom Control:** Enlarges or reduces the size of the 3-D model
STEP 4: BUTTON FUNCTIONS

- Rotation/Translation
- Zoom Model
- Tooth Numbering
- Remove Lower
- Remove Upper
- Occlusal Maxillary
- Right Buccal
- Anterior
- Left Buccal
- Occlusal Mandibular
- Zoom Controller
STEP 4: CLOSE THE SIMULATOR

Click the “X” to close window

Simulated outcome cannot be saved
- The Invisalign Outcome Simulator can be rerun from Case Manager at a future time.