

NEBRASKA MEDICAID HANDICAPPING LABIO-LINGUAL DEVIATIONS FORM (HLD INDEX)

THIS FORM IS A QUANTITATIVE, OBJECTIVE METHOD FOR MEASURING MALOCCLUSION. THE HLD PROVIDES A SINGLE SCORE, BASED ON A SERIES OF MEASUREMENTS THAT REPRESENT THE DEGREE TO WHICH A CASE DEVIATES FROM NORMAL ALIGNMENT AND OCCLUSION.

PATIENT INFO

CLIENT NAME: _____ CLIENT MEDICAID NUMBER _____

CLIENT ADDRESS: _____ CLIENT DATE OF BIRTH ___/___/___

PROVIDER INFO (must be 20 years old or under)

PROVIDER NAME: _____ PROVIDER ID NUMBER: _____

CONDITIONS OBSERVED

PROCEDURE: SCORING STEPS 1 THROUGH 6. IF ONE OF THESE CONDITIONS EXIST, INDICATE WITH AN "X" AND SCORE NO FURTHER.

- 1. DEEP IMPINGING OVERBITE. SCORE "X" _____
- 2. CROSSBITE OF THREE OR MORE PERMANENT AND/OR DECIDUOUS POSTERIOR TEETH OR ANTERIOR CROSSBITE OF ONE TO TWO TEETH. SCORE "X" _____
- 3. CONGENITAL BIRTH DEFECT THAT AFFECTS SKELETAL RELATIONSHIP AND/OR DENTITION. SCORE "X" _____
- 4. IMPACTED CUSPIDS WITH MOST OF THE PERMANENT DENTITION PRESENT. SCORE "X" _____
- 5. OVERJET GREATER THAN 9 MM OR ANTERIOR CROSSBITE. SCORE "X" _____
- 6. MALOCCLUSION WITH OPEN BITE FROM CANINE TO CANINE. SCORE "X" _____

IF YOU HAVE MARKED AN "X" IN ANY OF THE ABOVE; **STOP**; AND PROCEED TO PRIOR AUTHORIZATION STEP 16.

PROCEDURE: COMPLETE 7 through 14 IF CASE DOES NOT QUALIFY IN 1 through 6 ABOVE. THE TOTAL SCORE WILL DETERMINE IF THE CASE QUALIFIES FOR ORTHODONTIC TREATMENT. COMPLETE INSTRUCTIONS ARE ON THE SECOND PAGE; "SCORING INSTRUCTIONS FOR HANDICAPPING MALOCCLUSION."

- POSITION THE PATIENT'S TEETH IN CENTRIC OCCLUSION. RECORD MEASUREMENTS IN THE ORDER GIVEN AND ROUND TO THE NEAREST MILLIMETER (MM).
- ENTER SCORE "0" IF CONDITION IS ABSENT.
- NOTE: WHEN COMPLETEING 11 AND 12, IF BOTH ANTERIOR CROWDING AND ECTOPIC ERUPTION ARE PRESENT IN THE ANTERIOR PORTION OF THE MOUTH, SCORE ONLY THE MOST SEVER CONDITION. DO NOT SCORE BOTH CONDITIONS.

- 7. OVERJET IN MM. (1 - 8 MM) _____
- 8. OVERBITE IN MM. (ANTERIOR CROSSBITE) _____
- 9. MANDIBULAR IN PROTRUSION, IN MM. X5 _____
- 10. OPEN BITE, IN MM. X4 _____
- 11. ECTOPIC ERUPTION: COUNT EACH TOOTH EXCLUDING 3RD MOLARS.
LIST TEETH _____ # OF TEETH X3 _____
- 12. ANTERIOR CROWDING OR SPACING: SCORE ONE POINT FOR MAXILLA, AND/OR ONE POINT FOR MANDIBLE; TWO POINT MAXIMUM.
SCORE THE ONE OR TWO X5. # X5 _____
- 13. LABIOLINGUAL SPREAD IN MM. _____
- 14. POSTERIOR UNILATERAL CROSSBITE. (MUST INVOLVE TWO OR MORE ADJACENT TEETH, ONE OF WHICH MUST BE A MOLAR)
IF PRESENT SCORE 4 _____

A TOTAL SCORE OF 28 OR GREATER CONSTITUTES A HANDICAPPING MALOCCLUSION: TOTAL OF 7 through 14 _____

IF 7 – 14 ABOVE SCORED 28 OR GREATER, PROCEED TO PRIOR AUTHORIZATION STEP 16.

- 15. IF TOTAL SCORE IS 27 OR UNDER, **STOP**, DO NOT PROCEED TO PRIOR AUTHORIZATION STEP 16. A SCORE OF 27 OR UNDER WILL NOT BE REVIEWED, CONSIDER THIS SCORE SHEET AS PROOF OF DENIAL FOR CONSIDERATION. DO NOT PROCEED TO COMPLETE AND BILL FOR CEPH FILM AND DIAGNOSTIC CASTS, THEY MAY NOT BE PAID WITHOUT AN ORTHODONTIC TREATMENT APPROVAL.
- 16. IF THE ABOVE CONDITIONS QUALIFY FOR A REVIEW (YOU MUST HAVE AN "X" AND/OR A SCORE OF 28 OR ABOVE) YOU MAY PROCEED TO SUBMIT FOR PRIOR AUTHORIZATION WITH REQUIRED DOCUMENTATION CHECKED OFF BELOW. IN ORDER FOR MEDICAID PATIENTS TO RECEIVE TIMELY TREATMENT, PLEASE CONSIDER YOUR REQUEST FOR APPROVAL AS YOUR ACCEPTANCE OF THE MEDICAID FEE AND A COMMITMENT TO COMPLETE CARE. ADA FORM _____ CEPH FILM _____ X-RAYS _____ MODELS _____ PHOTOS _____ NARRATIVE _____

**Handicapping Labiolingual Index (HLD) - (NE-Mod)
Scoring Instructions for Severe Malocclusions**

The intent of the HLD Index is to measure the presence or absence, and the degree, of the handicap caused by the components of the index, and not to diagnose "malocclusion." All measurements are made with a Boley Gauge (or disposable ruler) scaled in millimeters. Absence of any condition must be recorded by entering "0" on 7 - 14. Measurements are rounded to the nearest millimeter.

- 1 – 6. Indicate an "X" on the score-sheet. These conditions are automatically considered a handicapping malocclusion and no further scoring is necessary.
7. **Overjet in Millimeters:** This is recorded with the patient's teeth in centric occlusion and measured from the labial portion of the lower incisors to the labial of the upper incisors. The measurement may apply to a protruding single tooth as well as to the whole arch. Enter the number of millimeters as the HLD score.
8. **Overbite in Millimeters:** A pencil mark on the tooth indicating the extent of overlap facilitates this measurement. Anterior crossbite may exist in certain conditions and should be measured and recorded. Enter the number of millimeters as the HLD score. (Vertical measurement.)
9. **Mandibular Protrusion in Millimeters:** Score exactly as measured from the labial of the lower incisor to the labial of the upper incisor. A anterior crossbite, if present, should be shown under "overbite". The measurement in millimeters is entered on the score-sheet and multiplied by five (5). Enter the multiplied total as the HLD score. (Horizontal measurement.)
10. **Open Bite in Millimeters:** This condition is defined as the absence of occlusal contact in the anterior region. It is measured from edge to edge, in millimeters. In cases of pronounced protrusion associated with open bite, measurement of the open bite should be estimated. The measurement is entered on the score-sheet and multiplied by four (4). Enter the multiplied total as the HLD score.
11. **Ectopic Eruption:** Count each tooth. Teeth deemed to be ectopic must be more than 50% blocked out and clearly out of the dental arch. Mutually blocked teeth are counted one time and third molars are excluded. If condition #12, anterior crowding is also present with an ectopic eruption in the anterior portion of the mouth, score only the most severe condition. **DO NOT SCORE BOTH CONDITIONS.** Enter the number of teeth on the score-sheet and multiply by three (3). Enter the multiplied total as the HLD score.
12. **Anterior Crowding or spacing:** Arch length insufficiency or excess must exceed 3.5 mm. Mild rotations that may react favorably to stripping or mild expansion procedures are not to be scored as crowded. If condition #11, ectopic eruption, is also present in the anterior portion of the mouth, score the most severe condition. **DO NOT SCORE BOTH CONDITIONS.** Two point maximum multiplied by five (5) for a maximum score of 10. Enter the multiplied total as the HLD score.
13. **Labiolingual Spread:** A Boley Gauge (or a disposable ruler) is used to determine the extent of deviation from a normal arch line. Otherwise, the total distance between the most protruded tooth and the lingually displaced anterior tooth is measured. The labiolingual spread probably comes close to a measurement of overall deviation from what would have been a normal arch. If multiple anterior crowding of teeth is present only the most severe individual millimeter measurement should be entered on the index. Enter the number of millimeters as the HLD score.
14. **Posterior Unilateral Crossbite:** This condition involves two or more adjacent teeth, one of which must be a molar. The crossbite must be one in which the maxillary posterior teeth involved may be both palatal or both completely buccal in relation to the mandibular posterior teeth. If posterior unilateral crossbite is present enter four (4) as the HLD score.