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AUTHORIZATION FORM FOR COMPREHENSIVE ORTHODONTIC TREATMENT

MassHealth Handicapping Labio-Lingual Deviations Index

FOR OFFICE USE ONLY First Reviewer _____ Second Reviewer _____ Third Reviewer _____

The Handicapping Labio-Lingual Deviations Index (HLD) is a quantitative, objective method for evaluating PA requests for comprehensive orthodontic treatment. The HLD allows for the identification of certain autoqualifying conditions and provides a single score, based on a series of measurements, which represent the presence, absence, and degree of handicap. The HLD **must** be submitted with all PA requests for comprehensive orthodontic treatment.

The following documents **must** also be submitted with this form. x-rays photos Lateral Cephalometric radiograph which includes either an embedded measurement device or one added by provider (e.g., ruler, perio probe, measured wire with known length) OR lateral and occlusal photographs with a measurement device. Models are not required. Please include an explanation of the measurement device if it is not marked (e.g. a measured piece of wire).

Cephalometric radiographs OR photographs with a measurement device are required with every case in addition to the standard set of photos. Providers are encouraged to submit a lateral cephalometric radiograph if it will clearly identify the medical necessity of treatment such as for impinging overbite.

Photo(s) with a measurement device (Boley gauge, disposable ruler, or periodontal probe) in the patient's mouth, or on models mounted in centric occlusion should be included. When measuring overjet, reverse overjet, or mandibular protrusion, the measurement device should be placed parallel to the occlusal plane involving two directly opposing incisor teeth with the photo taken on the ipsilateral side (same side) being measured. When measuring open bite, place the measurement device vertically to measure the opening from the incisal edge of the maxillary and mandibular incisors.

A sufficient number of photographs should be submitted with a measurement device, dependent upon the conditions present. The measurement device should be utilized in accordance with the Handicapping Labio-Lingual Deviation Index Scoring Instructions and the guidance provided in the previous paragraph.

Procedure

1. Occlude patient or models in centric occlusion.
2. Record all measurements in the order given and rounded off to the nearest millimeter.
3. **Enter score "0" if condition is absent.**
4. Start by measuring **overjet** of the most protruding incisor.
5. Measure **overbite** from the labio-incisal edge of overlapped front tooth (or teeth) to point of maximum coverage.
6. **Ectopic eruption and anterior crowding: Do not double score.** Record the more serious condition.
7. Deciduous teeth and teeth not fully erupted should not be scored.
8. Score all other conditions listed, and also check "yes" or "no" for all potential autoqualifiers.

Patient's Name (please print) _____ Member ID _____

Address _____

Street
City/County
State
Zip Code

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AUTOQUALIFERS	Condition Observed	
Cleft Lip, Cleft Palate, or other Cranio-Facial Anomaly	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Impinging overbite with evidence of occlusal contact into the opposing soft tissue	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Impactions where eruption is impeded but extraction is not indicated (excluding third molars).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Severe Traumatic Deviations – This refers to accidents affecting the face and jaw rather than congenital deformity. Do not include traumatic occlusions or crossbites.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Overjet (greater than 9mm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Reverse Overjet (greater than 3.5mm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Crowding of 10mm or more, in either the maxillary or mandibular arch (excluding 3rd molars). Includes the normal complement of teeth.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Spacing of 10mm or more, in either the maxillary or mandibular arch (excluding 3rd molars). Includes the normal complement of teeth.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Anterior crossbite of 3 or more maxillary teeth per arch.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Posterior crossbite of 3 or more maxillary teeth per arch.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Two or more congenitally missing teeth (excluding third molars) of at least one tooth per quadrant	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Lateral open bite: 2mm or more; of 4 or more teeth per arch	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Anterior open bite: 2mm or more; of 4 or more teeth per arch	Yes <input type="checkbox"/>	No <input type="checkbox"/>
HLD SCORING	Measurement	Score
Overjet (in mm)	# mm X 1	
Overbite (in mm)	# mm X 1	
Mandibular Protrusion (in mm) – See scoring instructions.	# mm X 5	
Anterior Open Bite – Do not count ectopic eruptions; measure the opening between maxillary and mandibular incisors in mm.	# mm X 4	
Ectopic Eruption (number of teeth, excluding third molars) – Refers to an unusual pattern of eruption, such as high labial cuspids. Do not score teeth in this category if they are scored under maxillary or mandibular crowding.	# of teeth X 3	
Anterior Crowding – If crowding exceeds 3.5mm in an arch, score each arch.	Maxilla: 5 points Mandible: 5 points Both: 10 points	
Labio-Lingual Spread (anterior spacing in mm) – See scoring instructions.	# mm X 1	
Posterior Unilateral Crossbite – Must involve 2 or more teeth, one of which must be a molar	4 points	
Posterior impactions or congenitally missing posterior teeth (excluding 3 rd molars)	# teeth X 3	
TOTAL		
Treatment will be authorized for cases with verified autoqualifiers or verified scores of 22 and above.		

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Medical Necessity Narrative

MEDICAL NECESSITY NARRATIVE	
Are you submitting a Medical Necessity Narrative?	Yes <input type="checkbox"/> No <input type="checkbox"/>
If yes, are you submitting additional supporting documentation?	Yes <input type="checkbox"/> No <input type="checkbox"/> The medical necessity determination does not involve any mental, emotional, behavioral or other condition outside the professional expertise of the requesting provider and, therefore, the submitted narrative does not incorporate or rely on the opinion or expertise of anyone other than the requesting provider.
<p>Instructions for Medical Necessity Narrative and Supporting Documentation (if applicable)</p> <p>Providers may establish that comprehensive orthodontic treatment is medically necessary by submitting a medical necessity narrative and supporting documentation, where applicable. The narrative must establish that comprehensive orthodontic treatment is medically necessary to treat a handicapping malocclusion, including to correct or significantly ameliorate</p> <ol style="list-style-type: none"> i. a severe skeletal deviation affecting the patient's mouth and/or underlying dentofacial structures; ii. a diagnosed mental, emotional, or behavioral condition caused by the patient's malocclusion; iii. a diagnosed nutritional deficiency and/or a substantiated inability to eat or chew caused by the patient's malocclusion; iv. a diagnosed speech or language pathology caused by the patient's malocclusion; or v. a diagnosed condition caused by the overall severity of the patient's malocclusion. <p>Providers may submit a medical necessity narrative (along with the required completed HLD) in any case where, in the professional judgment of the requesting provider and any other involved clinician(s), comprehensive orthodontic treatment is medically necessary to treat a handicapping malocclusion. Providers must submit this narrative in cases where the patient does not have an autoqualifying condition or meet the threshold score on the HLD, but where, in the professional judgment of the requesting provider and any other involved clinician(s), comprehensive orthodontic treatment is medically necessary to treat a handicapping malocclusion.</p> <p>The medical necessity narrative must clearly demonstrate why comprehensive orthodontic treatment is medically necessary for the patient. If any part of the requesting provider's justification of medical necessity involves a mental, emotional, or behavioral condition; a nutritional deficiency; a speech or language pathology; or the presence of any other condition that would typically require the diagnosis, opinion, or expertise of a licensed clinician other than the requesting provider, then the narrative and any attached documentation must</p> <ol style="list-style-type: none"> i. clearly identify the appropriately qualified and licensed clinician(s) who furnished the diagnosis or opinion substantiating the condition or pathology (e.g., general dentist, oral surgeon, physician, clinical psychologist, clinical dietitian, speech therapist); ii. describe the nature and extent of the identified clinician(s) involvement and interaction with the patient, including dates of treatment; iii. state the specific diagnosis or other opinion of the patient's condition furnished by the identified clinician(s); iv. document the recommendation by the clinician(s) to seek orthodontic evaluation or treatment (if such a recommendation was made); v. discuss any treatments for the patient's condition (other than comprehensive orthodontic treatment) considered or attempted by the clinician(s); and vi. provide any other relevant information from the clinician(s) that supports the requesting provider's justification of the medical necessity of comprehensive orthodontic treatment. 	

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The medical necessity narrative must be signed and dated by the requesting provider and submitted on the office letterhead of the provider. If applicable, any supporting documentation from the other involved clinician(s) must also be signed and dated by such clinician(s), and appear on office letterhead of such clinician(s). The requesting provider is responsible for coordinating with the other involved clinician(s) and is responsible for compiling and submitting any supporting documentation furnished by other involved clinician(s) along with the medical necessity narrative.

Attestation

I certify under the pains and penalties of perjury that I am the prescribing provider identified on this form. Any attached statement on my letterhead has been reviewed and signed by me. I certify that the medical necessity information (per 130 CMR 450.204) on this form is true, accurate, and complete, to the best of my knowledge. I understand that I may be subject to civil penalties or criminal prosecution for any falsification, omission, or concealment of any material fact contained herein.

Prescribing provider's signature:

_____ (Signature and date stamps, or the signature of anyone other than the provider, are not acceptable.)

Printed name of prescribing provider _____ Date _____

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Handicapping Labio-Lingual Deviation Index Scoring Instructions

1. Occlude patient or models in centric occlusion.
2. Record all measurements in the order given and rounded off to the nearest millimeter.
3. Enter score "0" if condition is absent.
4. Start by measuring overjet of the most protruding incisor.
5. Measure overbite from the labio-incisal edge of overlapped front tooth (or teeth) to point of maximum coverage.
6. Score all other conditions listed.
7. **Ectopic eruption and anterior crowding: Do not double score.** Record the more serious condition.
8. Deciduous teeth and teeth not fully erupted should not be scored.

All measurements are made with a measurement tool scaled in millimeters. Absence of any conditions must be recorded by entering "0."

The following information should help clarify the categories on the HLD Index.

AUTOQUALIFIERS

1. **Cleft Lip, Cleft Palate, or other craniofacial anomalies:** Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
2. **Impinging Overbite:** Impinging Overbite with evidence of occlusal contact into the opposing soft tissue. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
3. **Impactions:** Impactions (excluding third molars) that are impeding eruption in the maxillary and mandibular arches. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
4. **Severe Traumatic Deviations:** Traumatic deviations refer to accidents impacting the face, jaws, and teeth rather than congenital deformity. For example, loss of a premaxilla segment by burns or by accident; the result of osteomyelitis; or other gross pathology. Do not include traumatic occlusions or crossbites. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
5. **Overjet Greater Than 9mm:** This is recorded with the patient in the centric occlusion and measured from the labial of the lower incisor to the labial of the upper incisor. The measurement could apply to a protruding single tooth as well as to the whole arch. The measurement is read and rounded off to the nearest millimeter and entered on the form. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
6. **Reverse Overjet Greater Than 3.5mm:** This is recorded with the patient in the centric occlusion and measured from the labial of the lower incisor to the labial of the upper incisor. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
7. **Crowding or spacing of 10 mm or more,** in either the maxillary or mandibular arch (excluding 3rd molars). Includes the normal complement of teeth. Does not include extracted, congenitally missing, or supernumerary teeth. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
8. **Anterior or posterior crossbite** of 3 or more teeth per arch. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
9. Two or more **congenitally missing teeth** (excluding 3rd molars). Teeth that are missing due to extraction (or other loss) will not be considered under this section. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)
10. **Lateral or anterior (of incisors) open bite** 2 mm or more; of 4 or more fully erupted teeth per arch. Ectopically erupted teeth are not included. Anterior open bite is defined as absence of vertical overlap of maxillary and mandibular permanent incisors. End to end or edge to edge permanent incisors do not count as an open bite. Permanent canines are not scored. To be counted, the entire maxillary incisal edge must not have any end to end contact with a mandibular incisor or any vertical overlap of the mandibular incisor. It is

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measured from the incisal edge of the permanent maxillary incisor to the nearest point of the incisal edge of the permanent mandibular incisor. To be scored as an autoqualifier, the open bite must involve 4 or more fully erupted teeth per arch. Indicate an "X" on the form. (*This is considered an autoqualifying condition.*)

HLD SCORING

1. **Overjet in Millimeters:** This is recorded with the patient in the centric occlusion and measured from the labial of the lower incisor to the labial of the upper incisor. The measurement could apply to a protruding single tooth as well as to the whole arch. The measurement is read and rounded off to the nearest millimeter and entered on the form.
2. **Overbite in Millimeters:** A pencil mark on the tooth indicating the extent of overlap facilitates this measurement. It is measured by rounding off to the nearest millimeter and entered on the form. "Reverse" overbite may exist in certain conditions and should be measured and recorded.
3. **Mandibular Protrusion in Millimeters:** Score exactly as measured from the buccal groove of the first mandibular molar to the MB cusp of the first maxillary molar. The measurement in millimeters is entered on the form and multiplied by 5.
4. **Anterior Open Bite in Millimeters:** This condition is defined as absence of vertical overlap of a maxillary and mandibular permanent incisor. End to end or edge to edge permanent incisors do not count as an open bite. Permanent canines are not scored. To be counted, the entire maxillary incisal edge must not have any end to end contact with a mandibular incisor or any vertical overlap of the mandibular incisor. It is measured from the incisal edge of the permanent maxillary incisor to the nearest point of the incisal edge of the permanent mandibular incisor. This measurement is entered on the form and multiplied by 4.
5. **Ectopic Eruption:** Count each tooth, excluding third molars. Each qualifying tooth must be blocked out of the arch. Enter the number of teeth on the form and multiply by 3. If condition no. 6, 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.
6. **Anterior Crowding:** Arch length insufficiency must exceed 3.5mm. Score only fully erupted incisors and canines. Mild rotations that may react favorably to stripping or mild expansion procedures are not to be scored as crowded. Enter 5 points for maxillary and mandibular anterior crowding. If condition no. 5, ectopic eruption, is also present in the anterior portion of the mouth, score only the most severe condition. Do not score both conditions.
7. **Labio-Lingual Spread:** The measurement tool is used to determine the extent of deviation from a normal arch. Where there is only a protruded or lingually displaced anterior tooth, the measurement should be made from the incisal edge of that tooth to the normal arch line. Otherwise, the total distance between the most protruded tooth and the lingually displaced anterior tooth is measured. The labio-lingual spread approximates a measurement of overall deviation from what would have been a normal arch. If multiple anterior crowding of teeth is observed, all deviations from the normal arch should be measured for labio-lingual spread, but only the most severe individual measurement should be entered on the index.
 - Additionally, anterior spacing may be measured as the total score in mm from the mesial of cuspid to the mesial of cuspid, totaling both arches.
 - Score only the greater score attained by either of these two methods.
8. **Posterior Crossbite:** This condition involves two or more adjacent maxillary permanent teeth, one of which must be a permanent molar. The crossbite must be one in which the maxillary posterior teeth involved may either be both palatal or both completely buccal in relation to the mandibular posterior teeth. The presence of posterior unilateral crossbite is indicated by a score of 4 on the form.
9. **Posterior Impactions or Congenitally Missing Posterior Teeth:** Total the number of posterior teeth, excluding third molars that meet this criterion, and multiply by 3.