

DATA DICTIONARY
Data Set: all.csv

| Variable name | Data Type | R Data Structure | Value Set | Description |
|--|-----------|------------------|--|--|
| sample_id | Varchar | Factor | | MAARS_identifier(Individual ID) + sample number |
| clinical_group | Varchar | Factor | AD = atropic dermatitis PSO = psoriasis CTRL = control group | Indicqtion if the sample is from an individual affected by atropic dermatitis or control group |
| anatomical_location | Varchar | Factor | lower_back, posterior_thigh, upper_thigh, thigh, buttocks | Location from where the skin samples were pulled |
| anatomical_location_label | Varchar | Factor | LB, PT, UB, B, T | Label for location from where skin samples were pulled |
| lesional | Varchar | Factor | LES= lesional, NON_LES = non-lesional | Indication if the skin sample is from a lesioned or non_lesioned area |
| MAARS_identifier | Varchar | Factor | | Individual Identifier from the MAARS dataset |
| Institution | Varchar | Factor | KINGS- London, HHU- University hospitals in Duesseldorf, Germany UH- Helsinki, Finland | The departments of dermatology from where the samples were collected from |
| CUSTOM_Age | Numeric | Factor | | Age of the volunteers |
| Gender | Varchar | Factor | Male, Female | Sex description of the volunteers |
| Known_Allergies_v2..Pseudo_Drug_Allergy | Boolean | Factor | True, False | Indication if allergic to pseudo drugs |
| Known_Allergies_v2..House_dust_mite | Boolean | Factor | True, False | Indication if allergic to house dust mites |
| Known_Allergies_v2..Food | Boolean | Factor | True, False | Indication if allergic to ant type of food |

| Variable name | Data Type | R Data Structure | Value Set | Description |
|--|-----------|------------------|-------------|--|
| Known_Allergies_v2..Pollen | Boolean | Factor | True, False | Indication if allergic to pollen |
| Known_Allergies_v2..Contact Allergy | Boolean | Factor | True, False | Indication if allergic to any substance |
| Known_Allergies_v2..Drug Allergy | Boolean | Factor | True, False | Indication if allergic to any drugs/ medicines |
| Known_Allergies_v2..Animal | Boolean | Factor | True, False | Indication if allergic to any animals |
| Concomitant_Medication_v2..Anti.Hypertensive | Boolean | Factor | True, False | Any anti-hypertensive medications taken along with treatment |
| Concomitant_Medication_v2..Anti.Inflammatory.non_steroid. | Boolean | Factor | True, False | Any anti-inflammatory non-steroid medications taken along with treatment |
| Concomitant_Medication_v2..Other_hormones | Boolean | Factor | True, False | Other hormones medications taken along with treatment |
| Concomitant_Medication_v2..Thyroid_hormones | Boolean | Factor | True, False | Thyroid hormones taken along with treatment |
| Concomitant_Medication_v2..Statins | Boolean | Factor | True, False | Statins taken along with treatment |
| Concomitant_Medication_v2..Insulin | Boolean | Factor | True, False | Insulin taken along with treatment |
| Concomitant_Medication_v2..Others | Boolean | Factor | True, False | Any other medications taken along with treatment |
| Other_concurrent_chronic_diseases_v2..Hyperlipidemia | Boolean | Factor | True, False | Presence of like Hyperlipidemia |
| Other_concurrent_chronic_diseases_v2..Others | Boolean | Factor | True, False | Presence of any other co-morbid conditions |

| Variable name | Data Type | R Data Structure | Value Set | Description |
|--|-----------|------------------|---|---|
| Other_concurrent_chronic_diseases_v2..Diabetes_non.insulin. | Boolean | Factor | True, False | Presence of diabetes |
| Other_concurrent_chronic_diseases_v2..Thyroid_dysfunction | Boolean | Factor | True, False | Presence of thyroid_dysfunction |
| Other_concurrent_chronic_diseases_v2..Asthma | Boolean | Factor | True, False | Presence of a Asthma |
| Other_concurrent_chronic_diseases_v2..Hypertension | Boolean | Factor | True, False | Presence of Hypertension |
| Global_Assessment_Score | Varchar | Factor | Moderate, severe, moderate.severe, mild, almost_clear | A score describing the intensity of the disease |
| CUSTOM_Malignancies_.skin | Boolean | Factor | True, False | Presence of skin malignancy |
| CUSTOM_Malignancies_.other | Boolean | Factor | True, False | Presence of any other forms of malignancy |
| CUSTOM_Fam_hist._Atopic_dermatitis | Boolean | Factor | True, False | Presence of family history of Atopic dermatitis |

DATA DICTIONARY
Data Set: ad_full - selected data elements only

| Variable name | Data Type | R Data Structure | Value Set | Description |
|--|-------------|------------------|---|--------------------|
| patient.Identification.MAARS.identifier..MAARS_identifier. | categorical | Factor | | Patient identifier |
| patient.Identification.Institution..Institution. | Categorical | Factor | 1=HHU 2=Kings 3=UH | Clinic/hospital |
| patient.Diagnostic...Phenotypic.Data.Ethnicity.Family.History.Ethnicity..Ethnicity. | Categorical | Factor | Asian - Other Black - African Black - Caribbean Black - Other White | Patient race |