



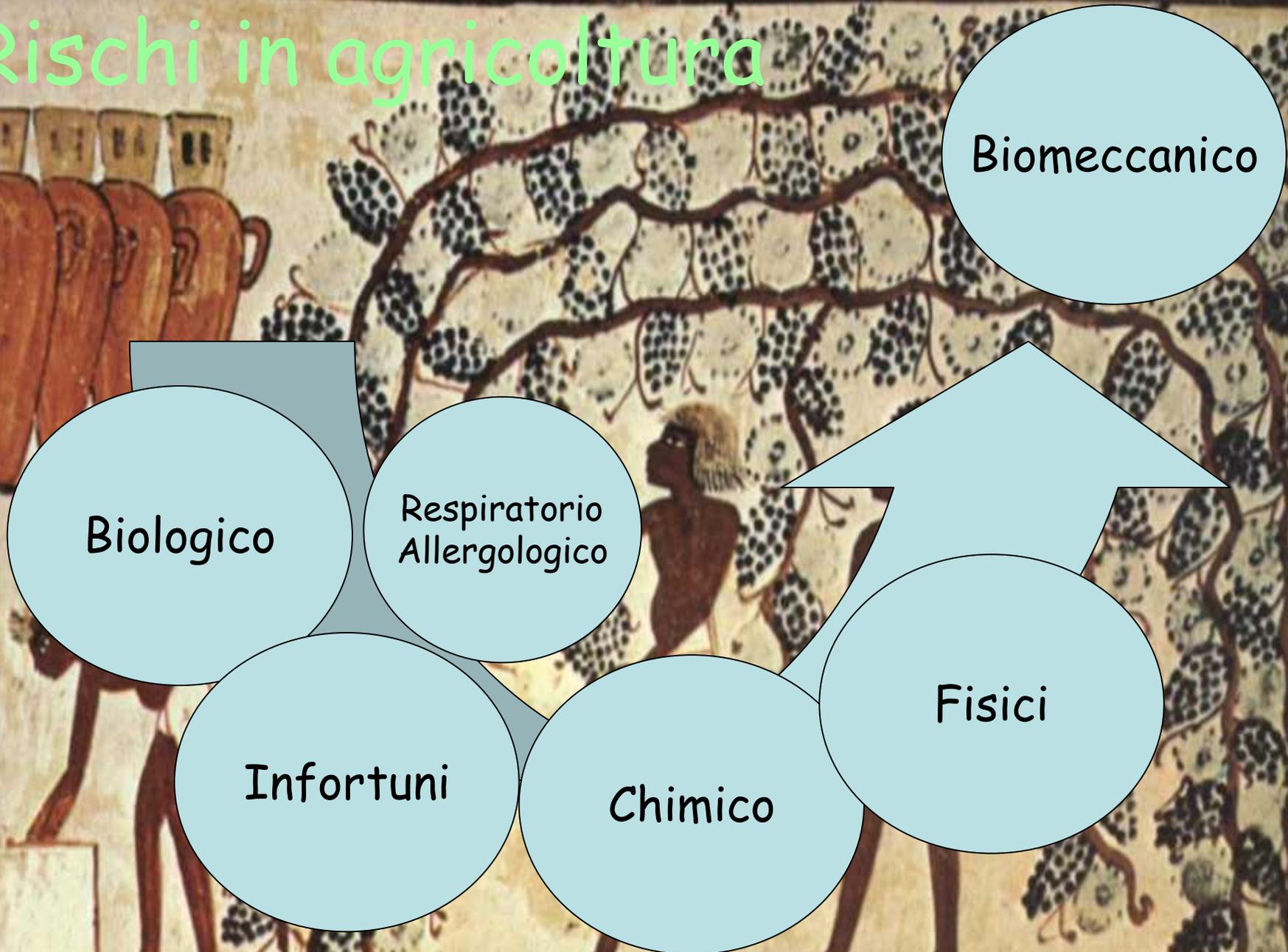
UNIVERSITÀ
DEGLI STUDI
FIRENZE

DIPARTIMENTO DI MEDICINA
SPERIMENTALE E CLINICA
SEZIONE «HEALTH SERVICES
RESEARCH»

Una riflessione sulle patologie occupazionali in
agricoltura e primi risultati dell'intervento



Rischi in agricoltura



Patologie respiratorie nei lavoratori agricoli



Rinite

Asma

Polmoniti da ipersensibilità

O_{rganic} D_{ust} T_{oxic} S_{indrome}

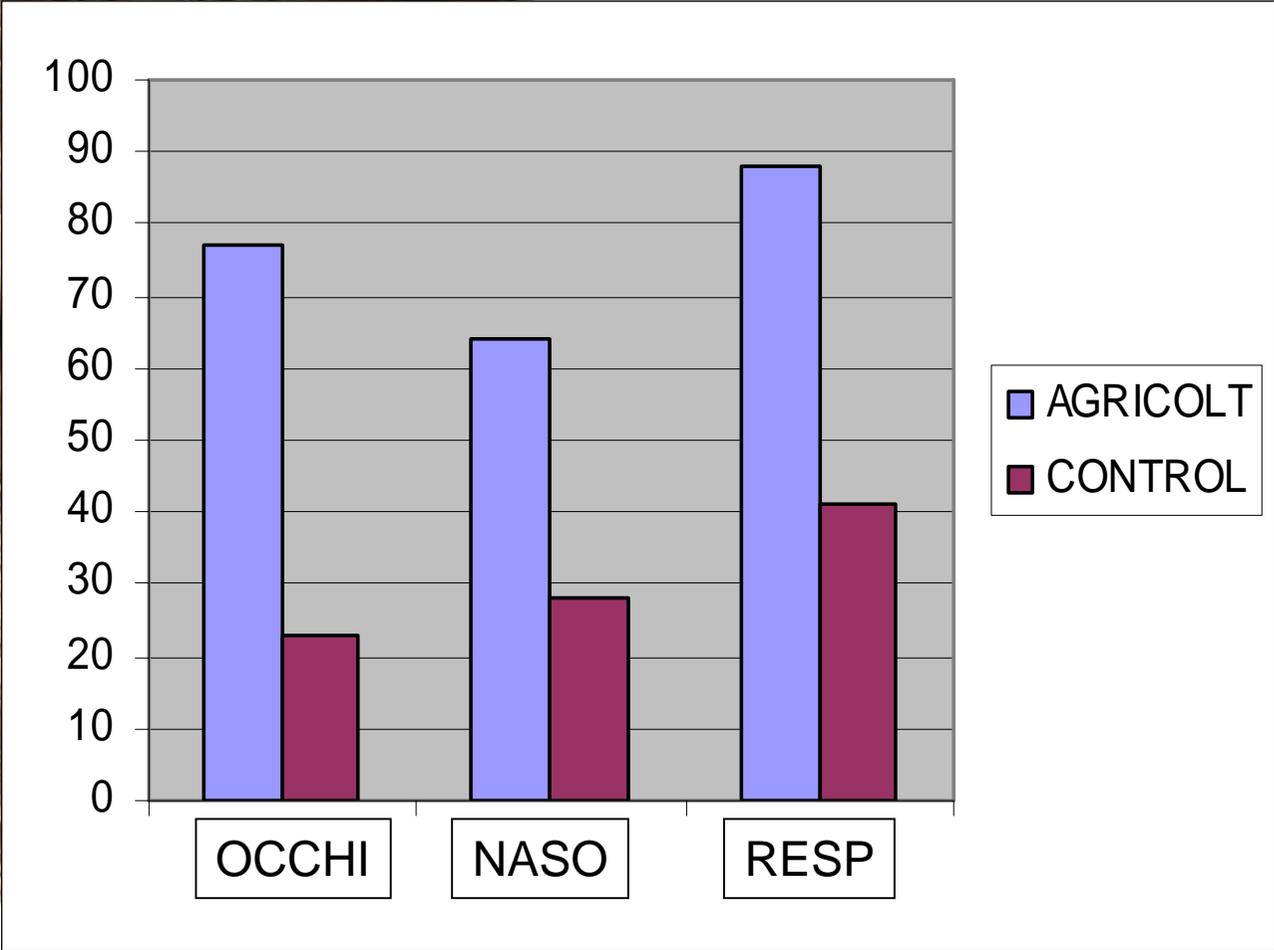
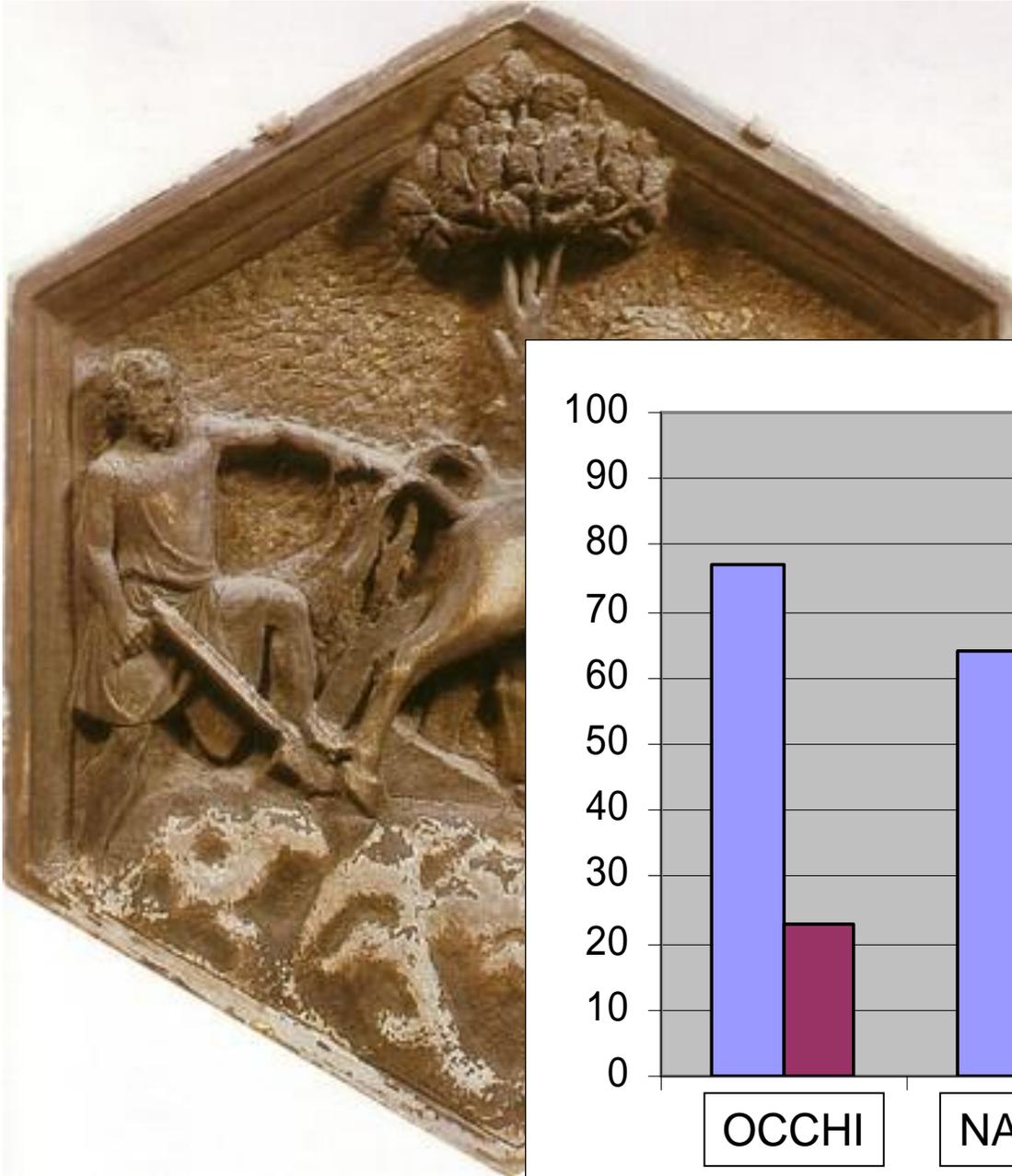
Sindromi simil-asmatiche

COPD

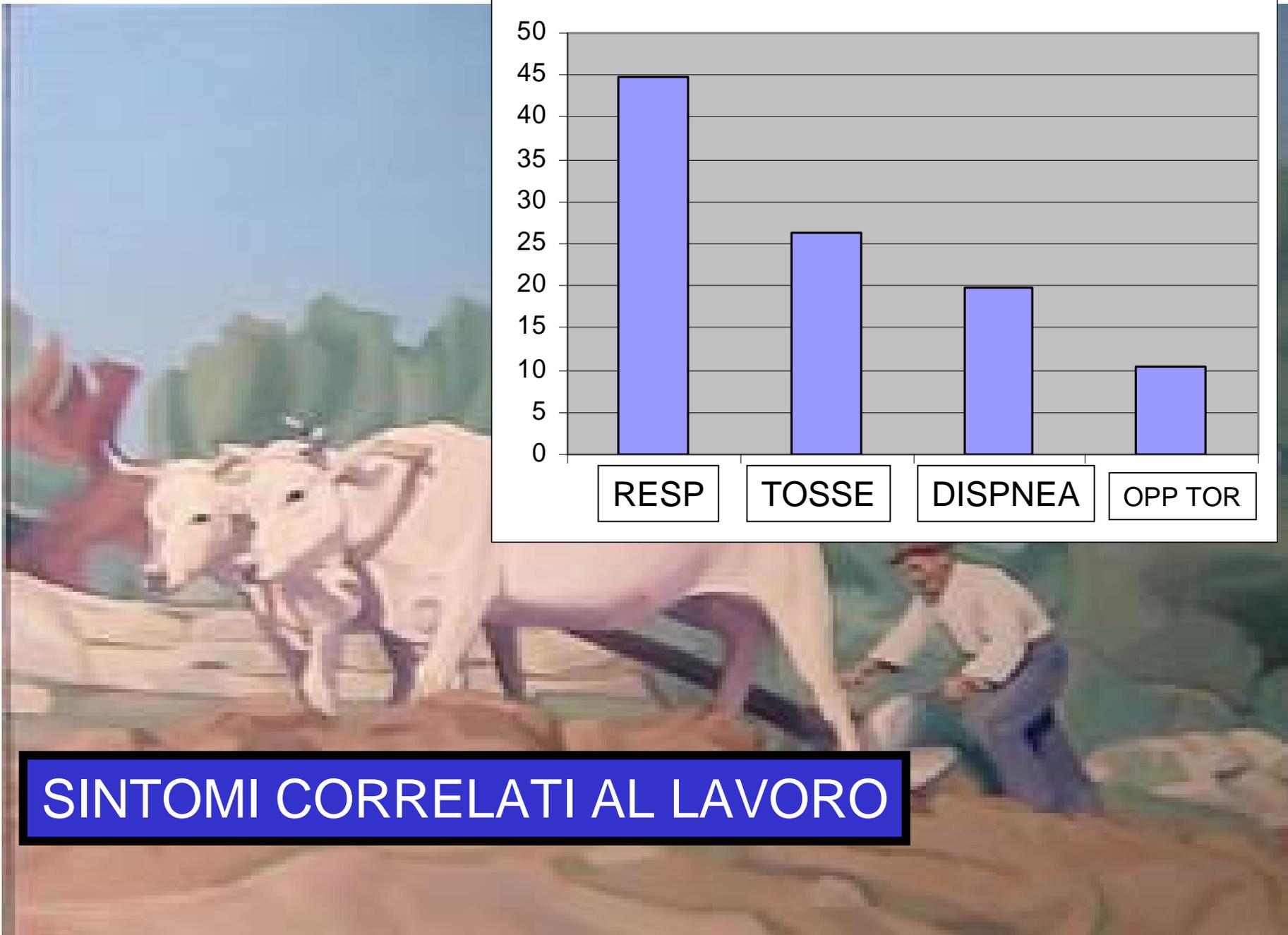
Inalazione da gas tossici

Infezioni respiratorie

RINITE / ASMA

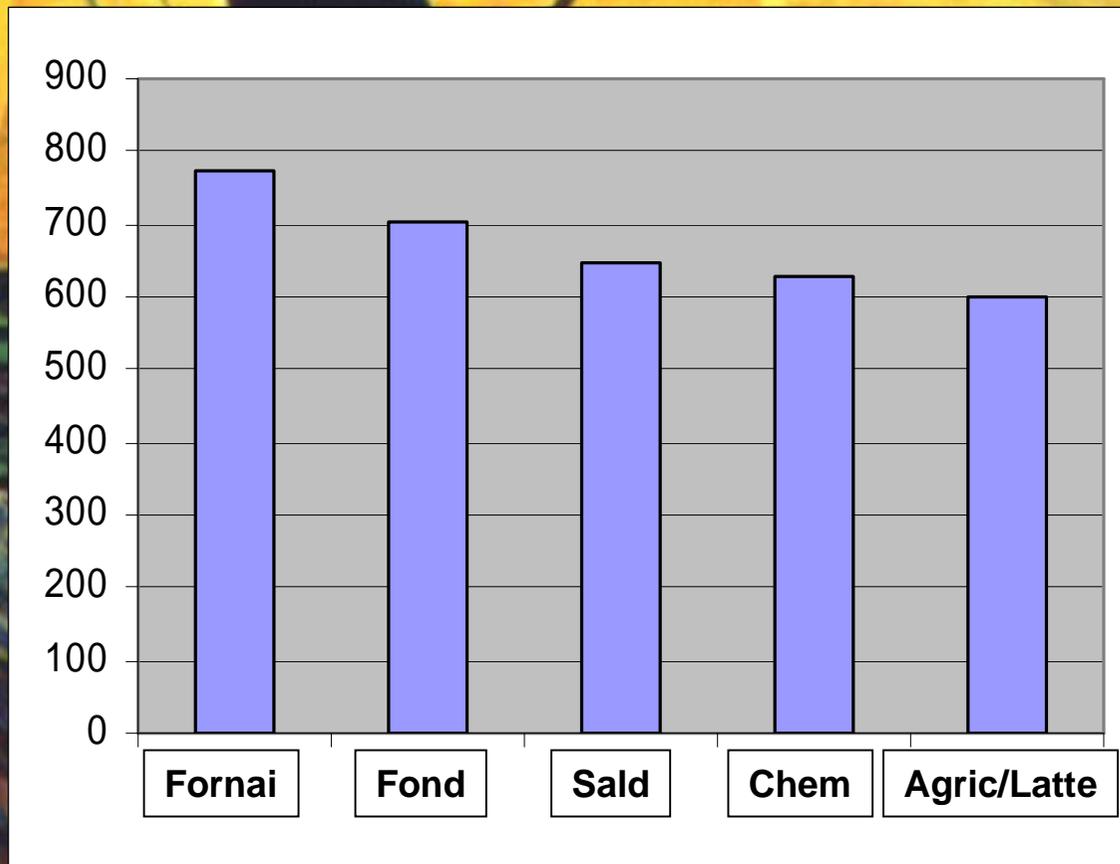


Do Pico et Al Am Rev Respir Dis 147 1993

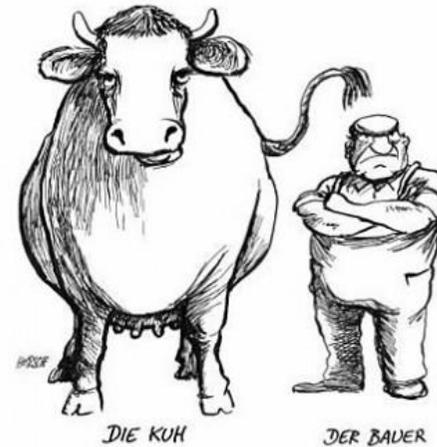


Skorska C et Al Ann Agric Environ Med 1998

Rate di asma occupazionale (casi x milione x anno)

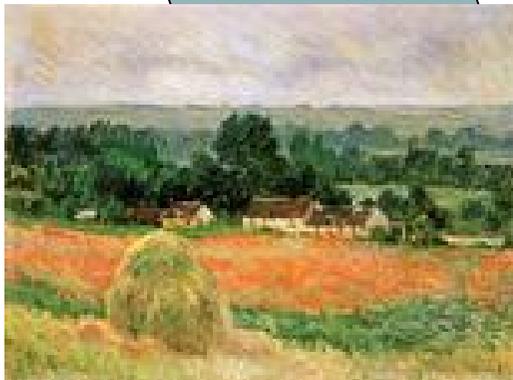


Polmone dell'agricoltore



- Temperatura
- PH acido
- Umidità

→ >> carica antigenica



Covone bagnato

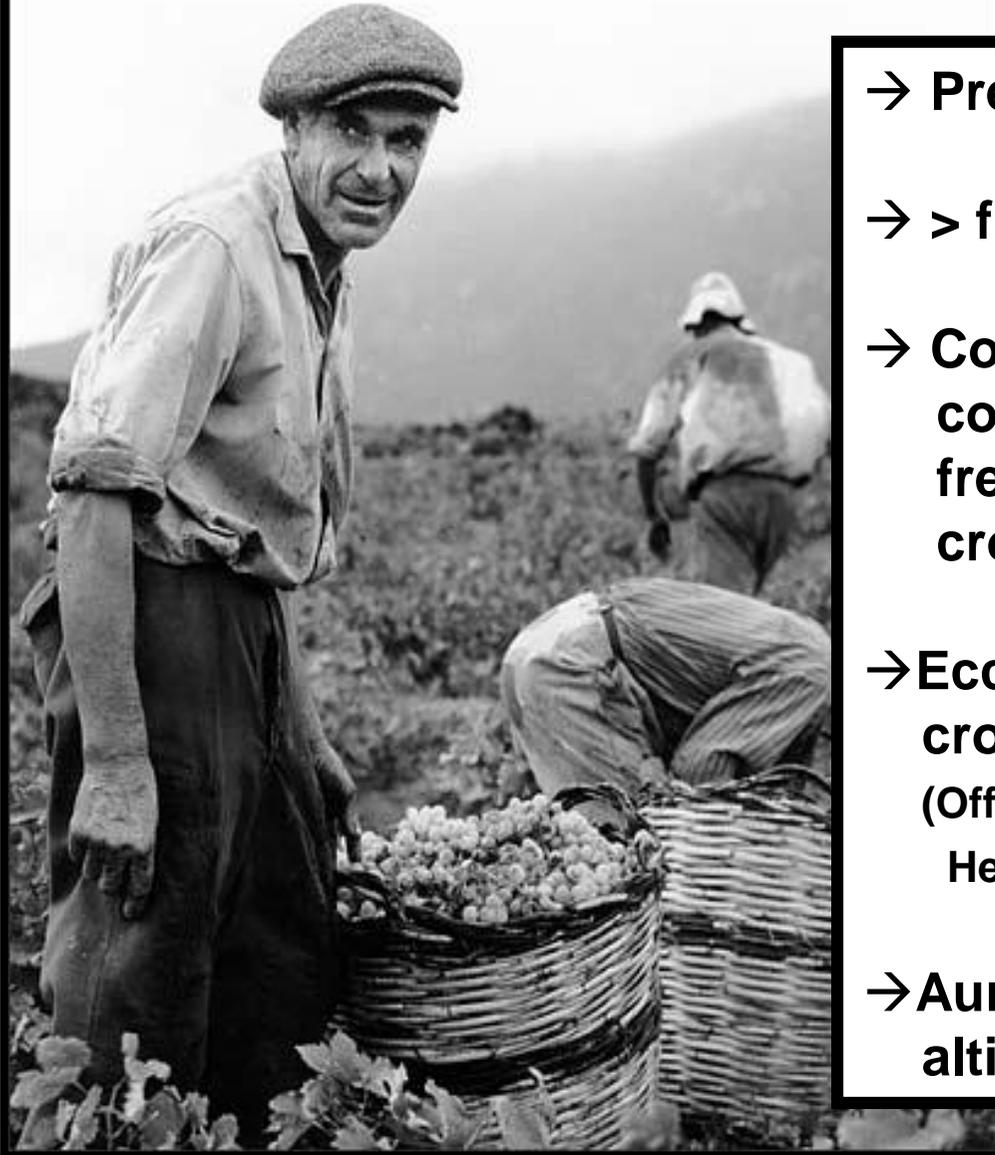


Primavera

Organic Dust Toxic Syndrome

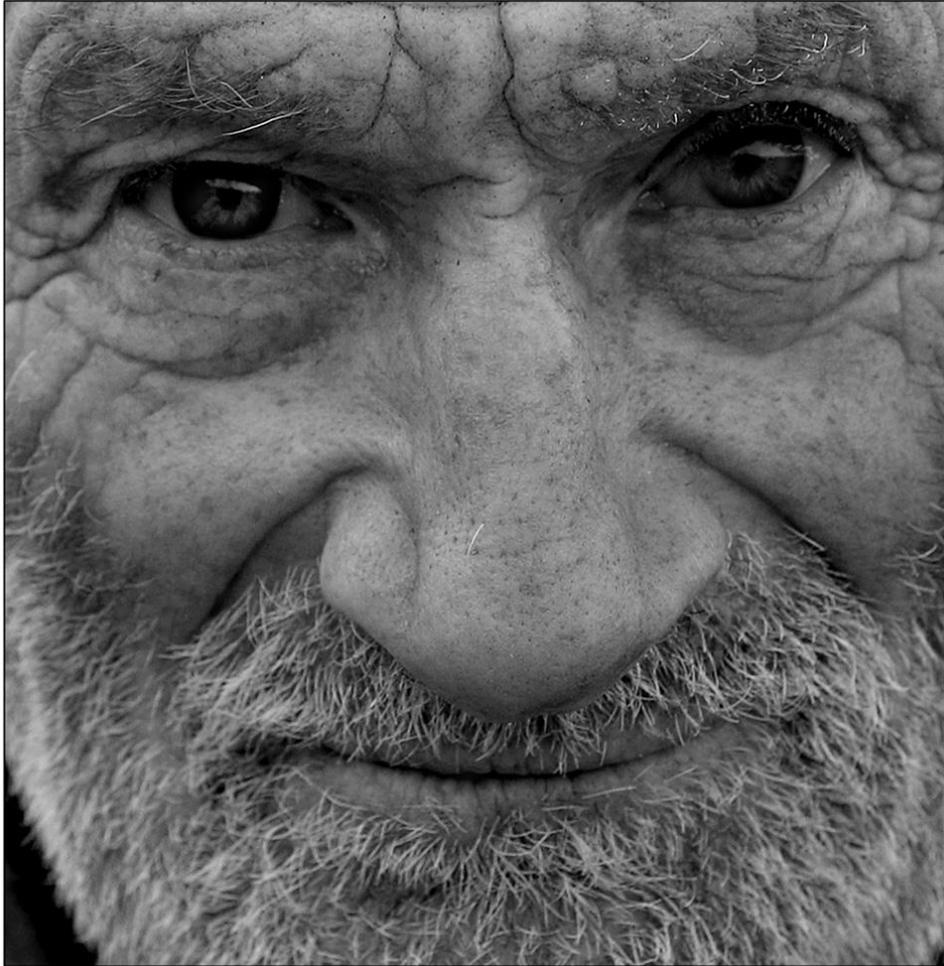
- 44% riferiscono attacchi
- 80% nella manipolazione della polvere di cereali
- 32% consulta un medico
- nel 60% dei casi approfonditi presenza di anomalie Rx

COPD o Chronic Obstructive Airways Diseases



- **Prevalenza 7-26%**
- **> frequenza di sintomi in allevatori**
- **Corretto per fumo tutti i lavori concordano per un aumento di frequenza di sintomi di bronchite cronica**
- **Eccesso di mortalità per bronchite cronica in agricoltori**
(Office of Population Census Surveys and Health Æ London Æ UK)
- **Aumento di prevalenza a maggiori altitudini**

Patologia dermatologica in agricoltura



frank photo 2006

Dermatite da contatto

DAC

DIC

Orticaria

Eritema Multiforme

Dermatosi cinerea

Paracheratosi variegata

Porfiria cutanea tarda

Cloracne

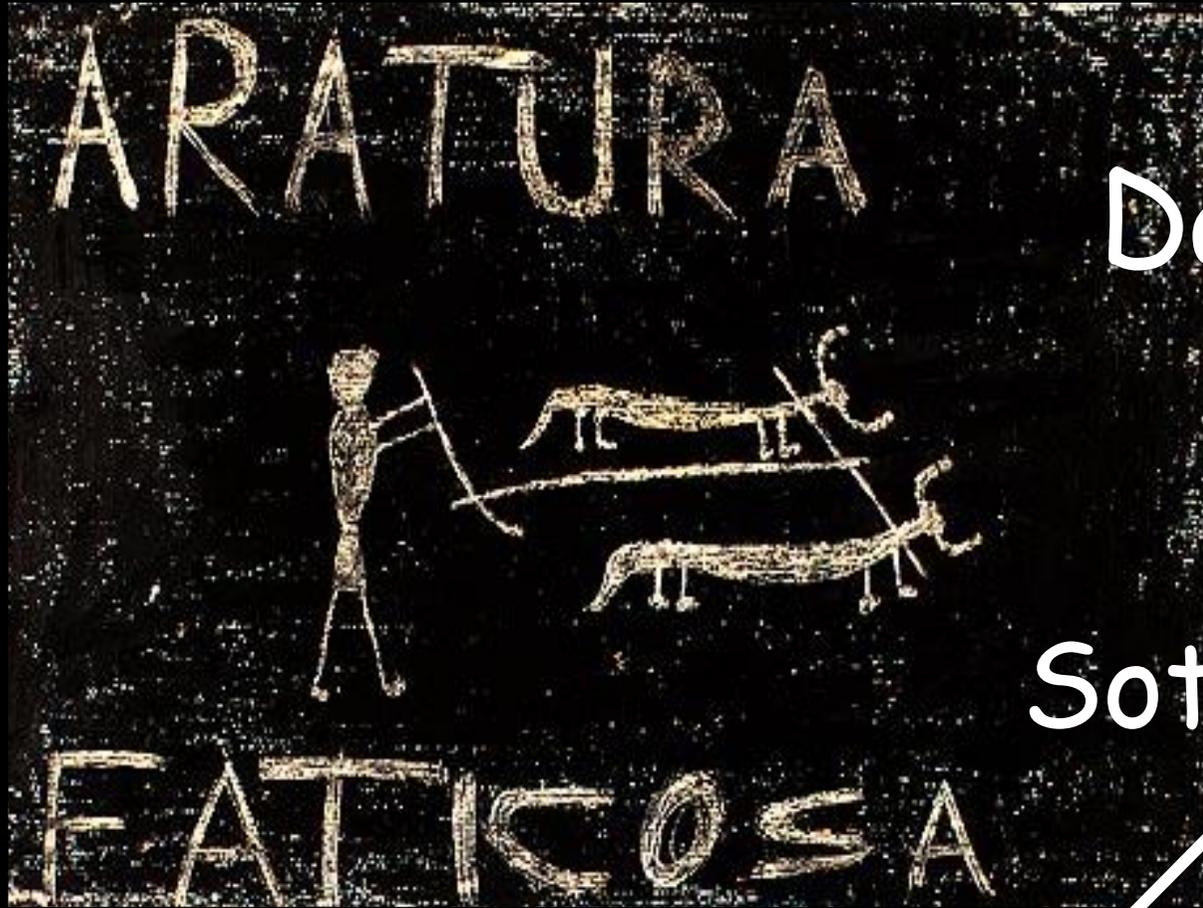
Ipopigmentazione cutanea

Perdita di capelli

Distrofia ungueale

Micosi

Tumori cutanei



Dati scarsi



Sottostimati ?



Progetto PANNA

Progetto Allergopatie Nascoste Nell'Agricoltura

Patologie da sovraccarico biomeccanico

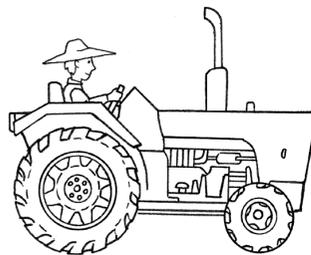


~ il 60% mantiene posture incongrue per oltre la metà della giornata lavorativa

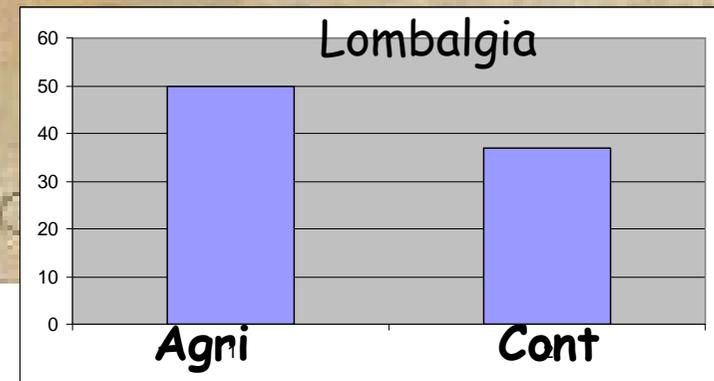
Oltre il 50% effettua MMC pesanti

Coxartrosi/Lavoro agricolo → OR 7,8
Gonartrosi/Lavoro agricolo → OR 5,3
Low Back Pain/Lavoro agricolo → OR 1,6

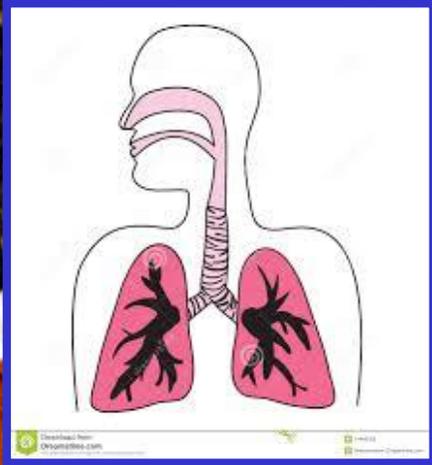
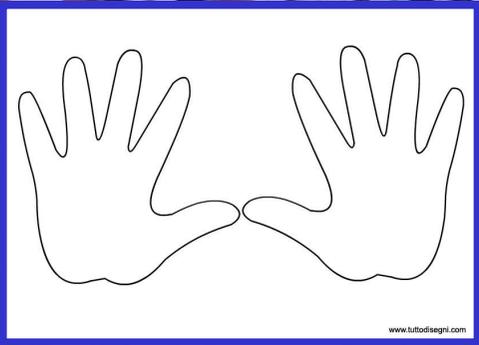
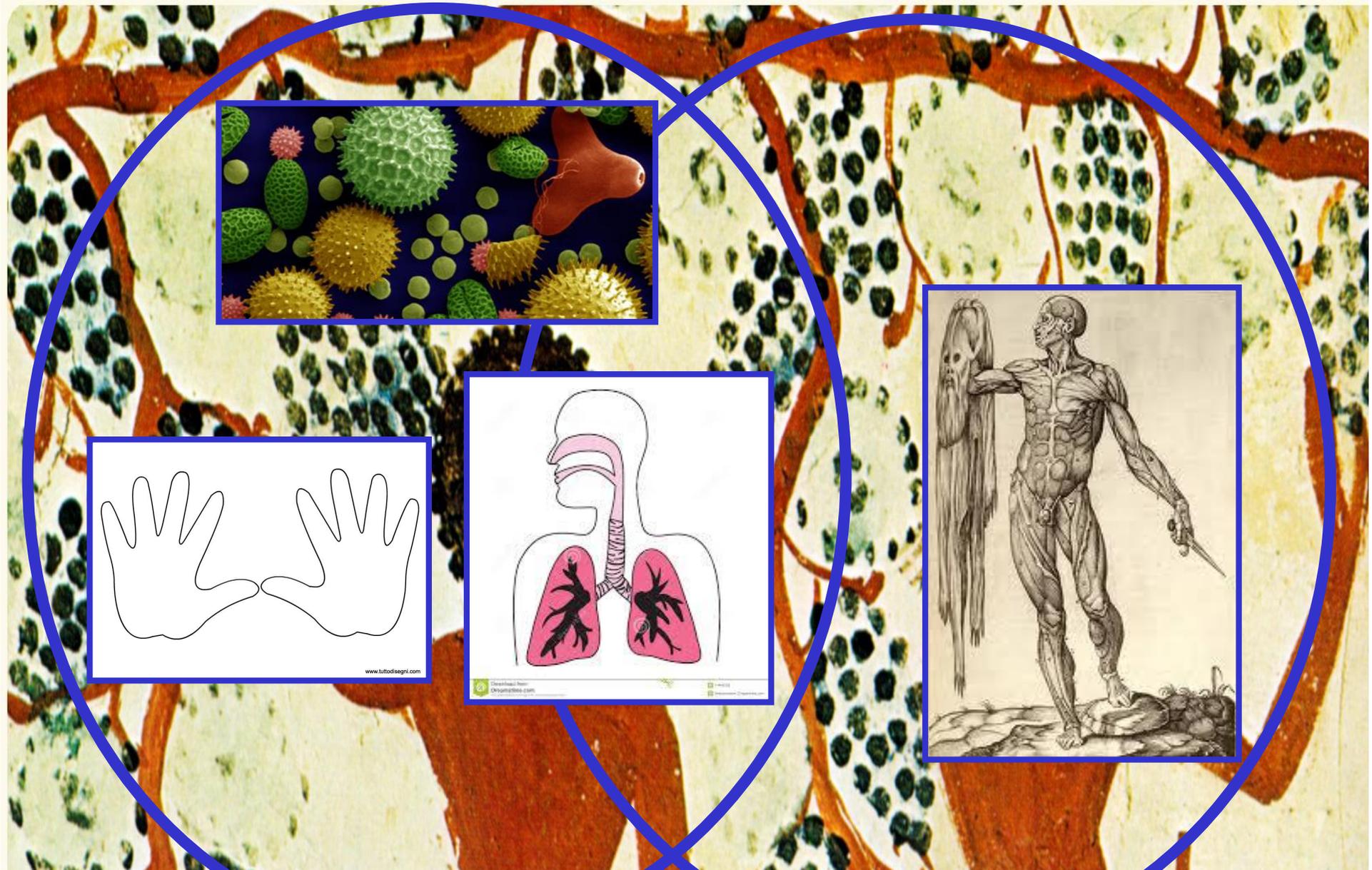
Vibrazioni (+postura)

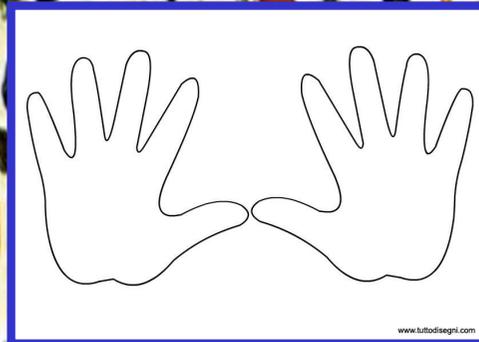
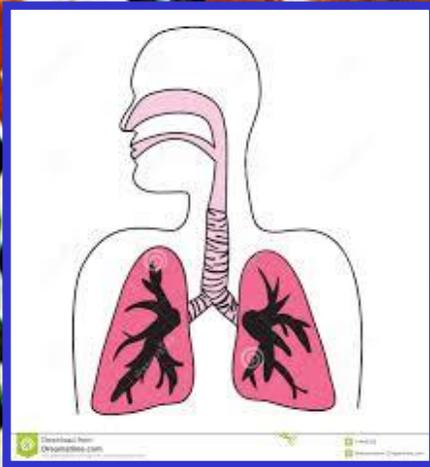


Low Back Pain → > prevalenza
Low Back Pain → disabilità (?)
Artrosi → (?)



Studio





Nordic Occupational Skin Quest

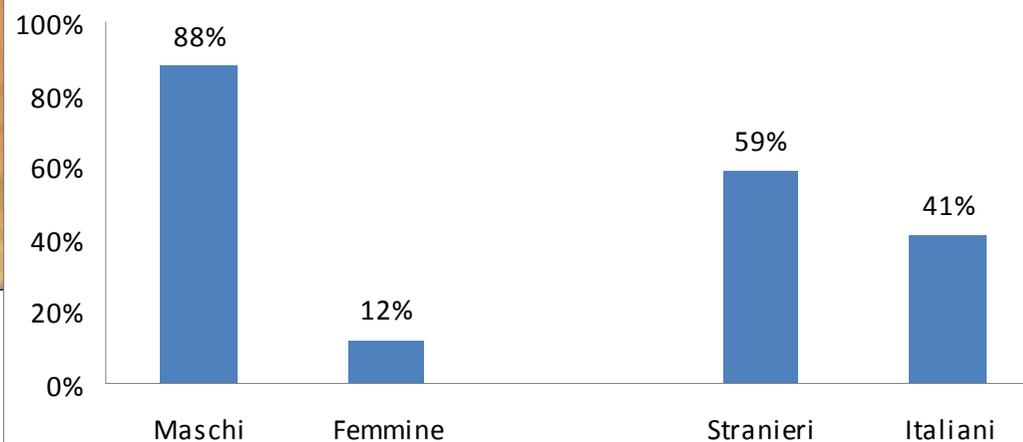
Standardised Nordic questionnaires for the analysis of musculoskeletal symptoms

Study on Occupational Allergy Risks Questionnaire

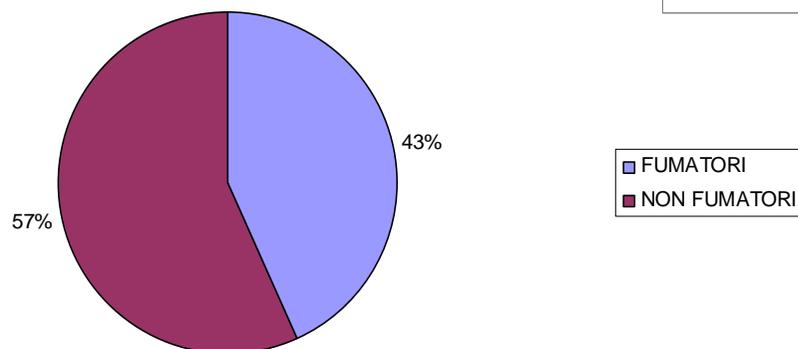
Campione

n. Aziende → 7
n. Lavorat → 113

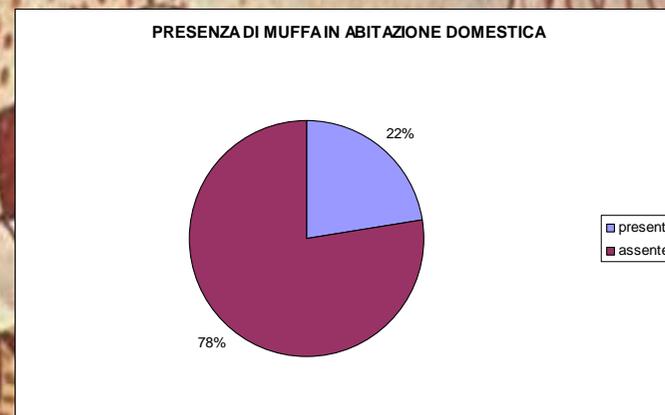
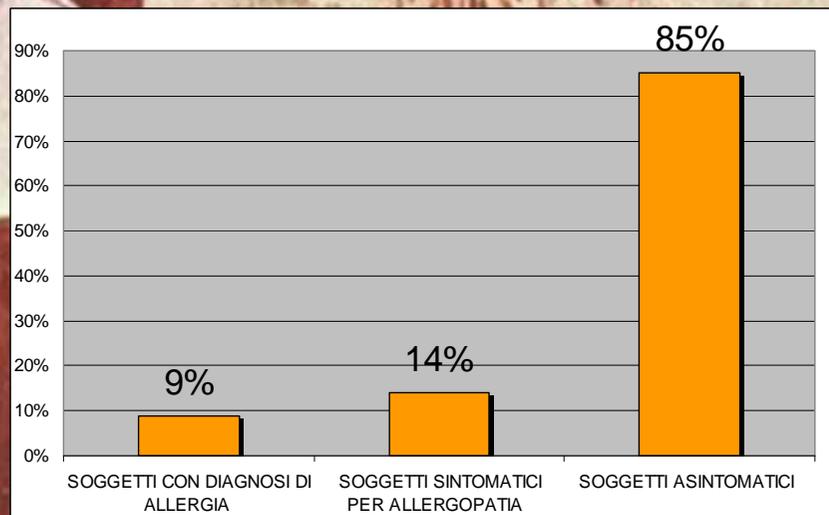
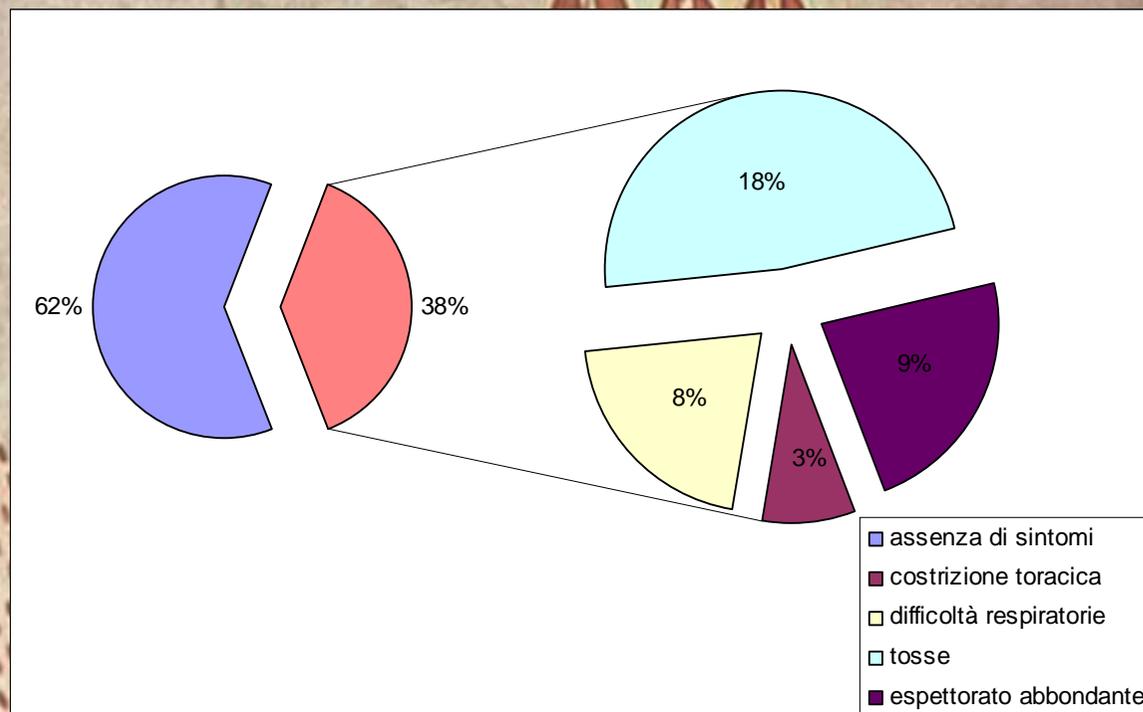
Descrizione del campione



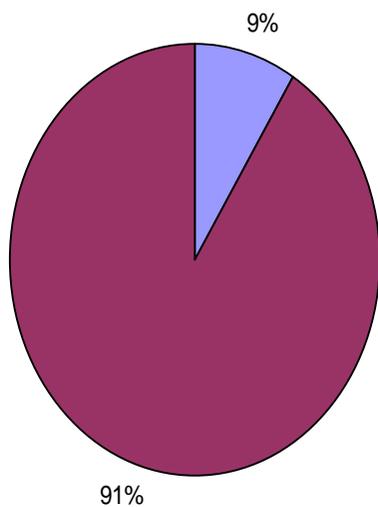
PREVALENZA FUMATORI



SOLAR

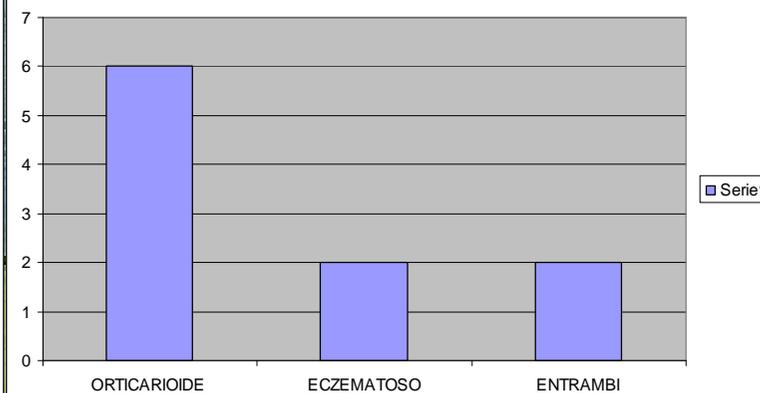


POSITIVITA' SINTOMI CUTANEI



■ SOGGETTI CON SINTOMATOLOGIA CUTANEA
■ SOGGETTI NEGATIVI

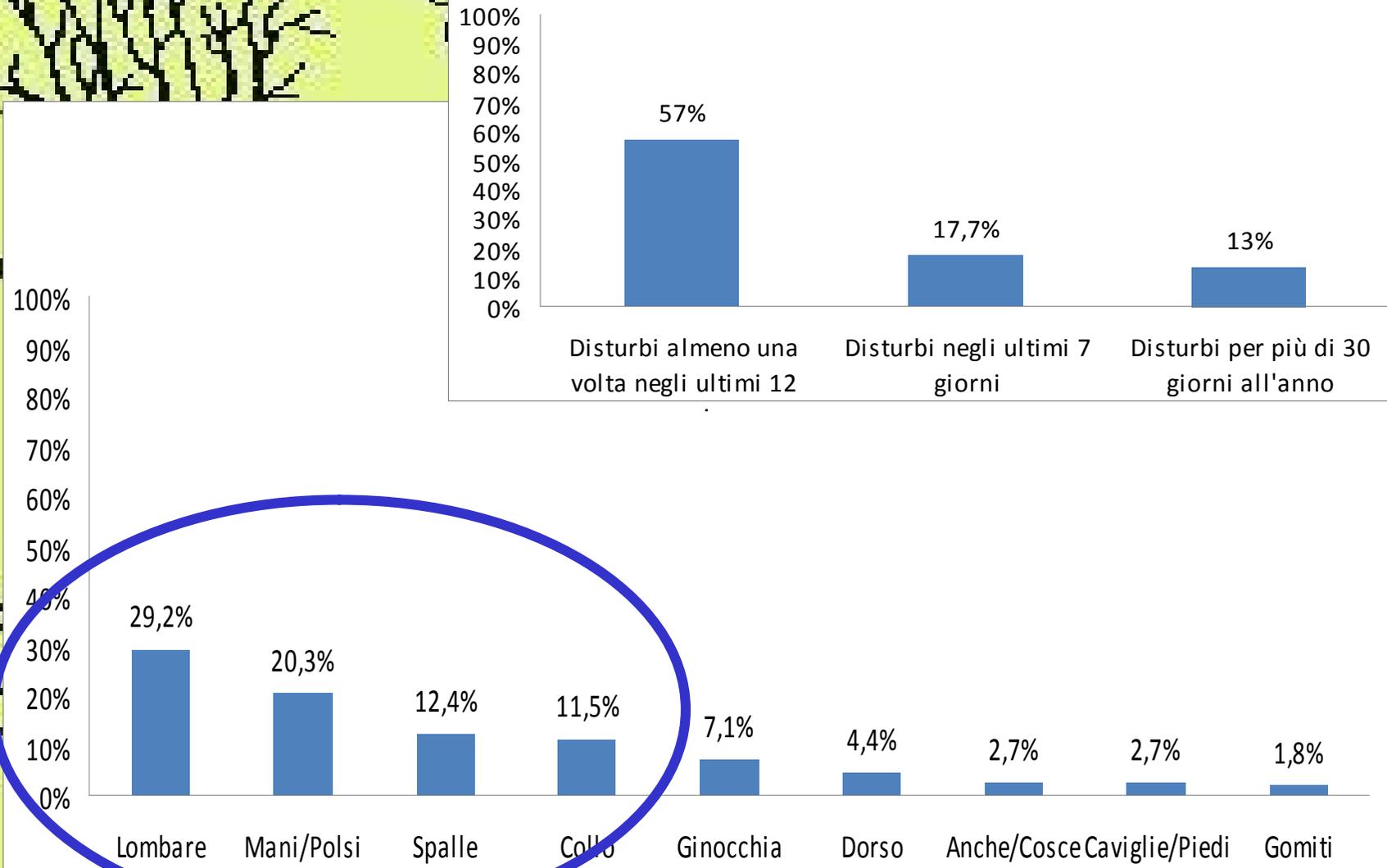
TIPOLOGIA SINTOMI CUTANEI



NOSQ

NSQMS

Analisi dei dati



Ventaglio

Fuso

Ipsilon trasversale

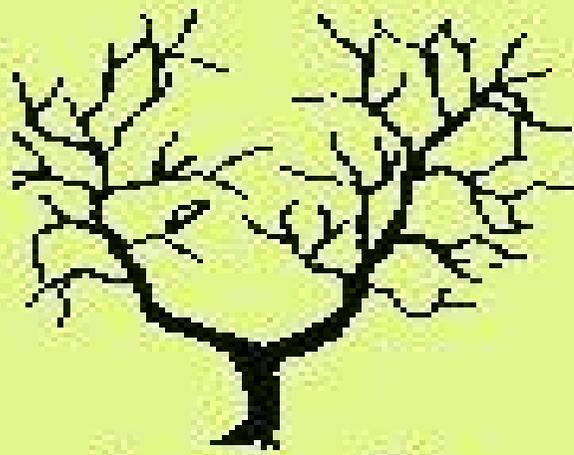
NSQMS

DISTURBI < 5%

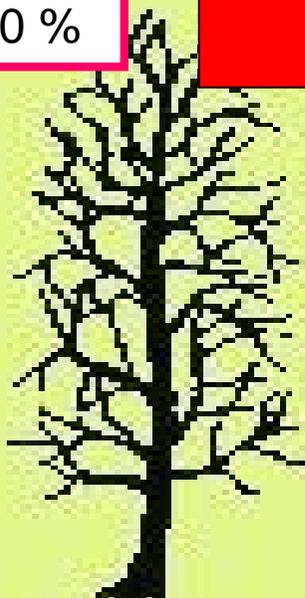
DISTURBI TRA 5 e 10%

DISTURBI TRA 10 e 20%

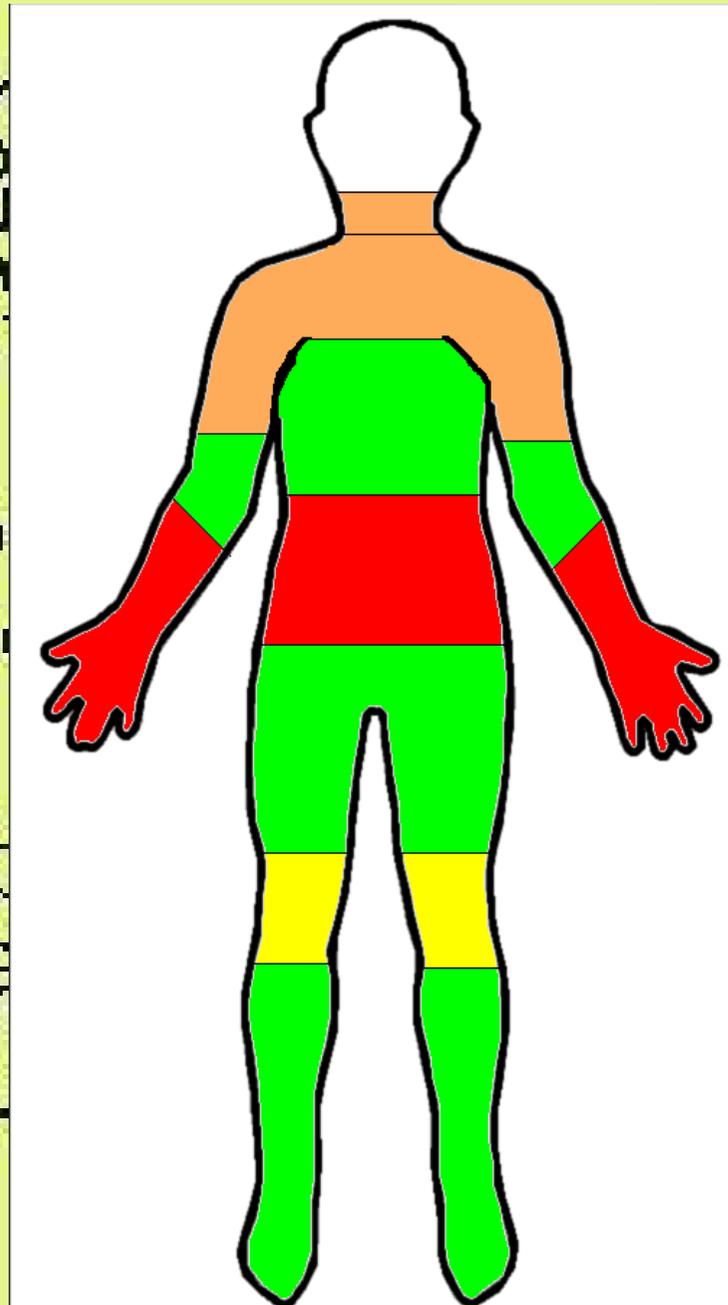
DISTURBI > 20 %



Ventaglio



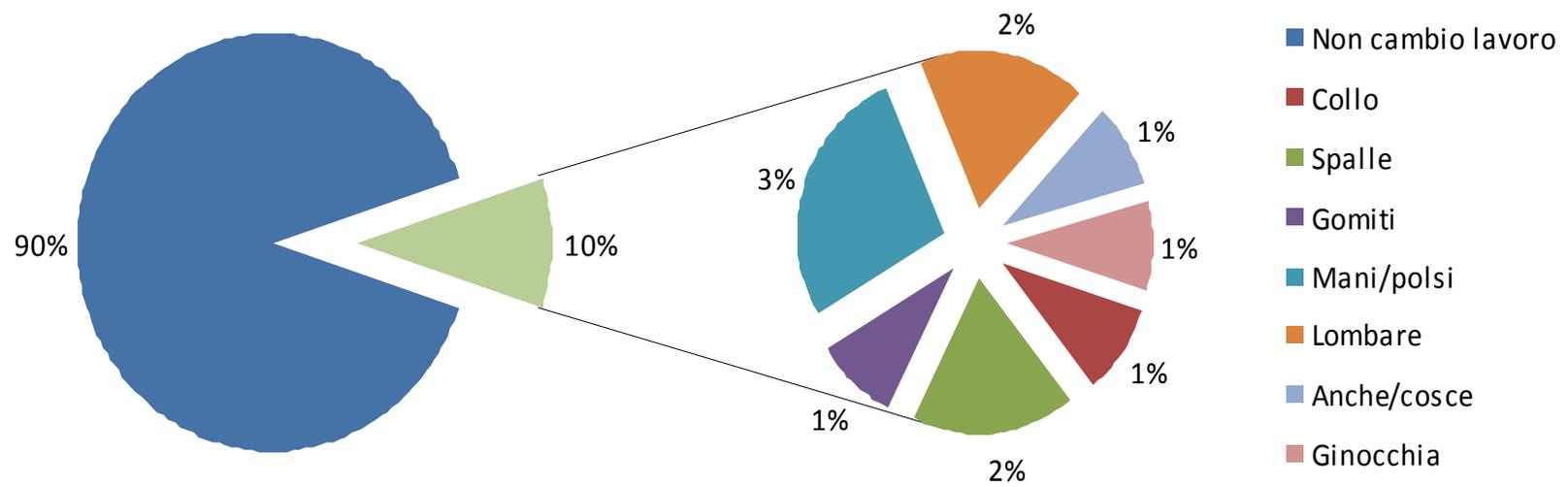
Fuso



ipson nasversate

NSQMS

Necessità di cambio mansione



ventaglio

Fuso

ipilon trasversale



→ Il rischio allergologico *risulterebbe* particolarmente contenuto

→ Il rischio muscolo-schetrico *risulterebbe* relativamente più elevato

Rischio **sottostima** per la particolarità del campione?



UBI MEGIUS MESSUM TERRE:

UBI VIN TO AL
VINCE DE
ERR

That's all folks!

CIVITAS

UBI CALCARIUS EST GERON LAA