



ICPerMed Conference

Prelude to the Future of Medicine

Paris, October 5-6, 2022

A national initiative for Implementing Cancer Precision Medicine in Norway: The CONNECT Public-Private Partnership

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OSLO CANCER
CLUSTER

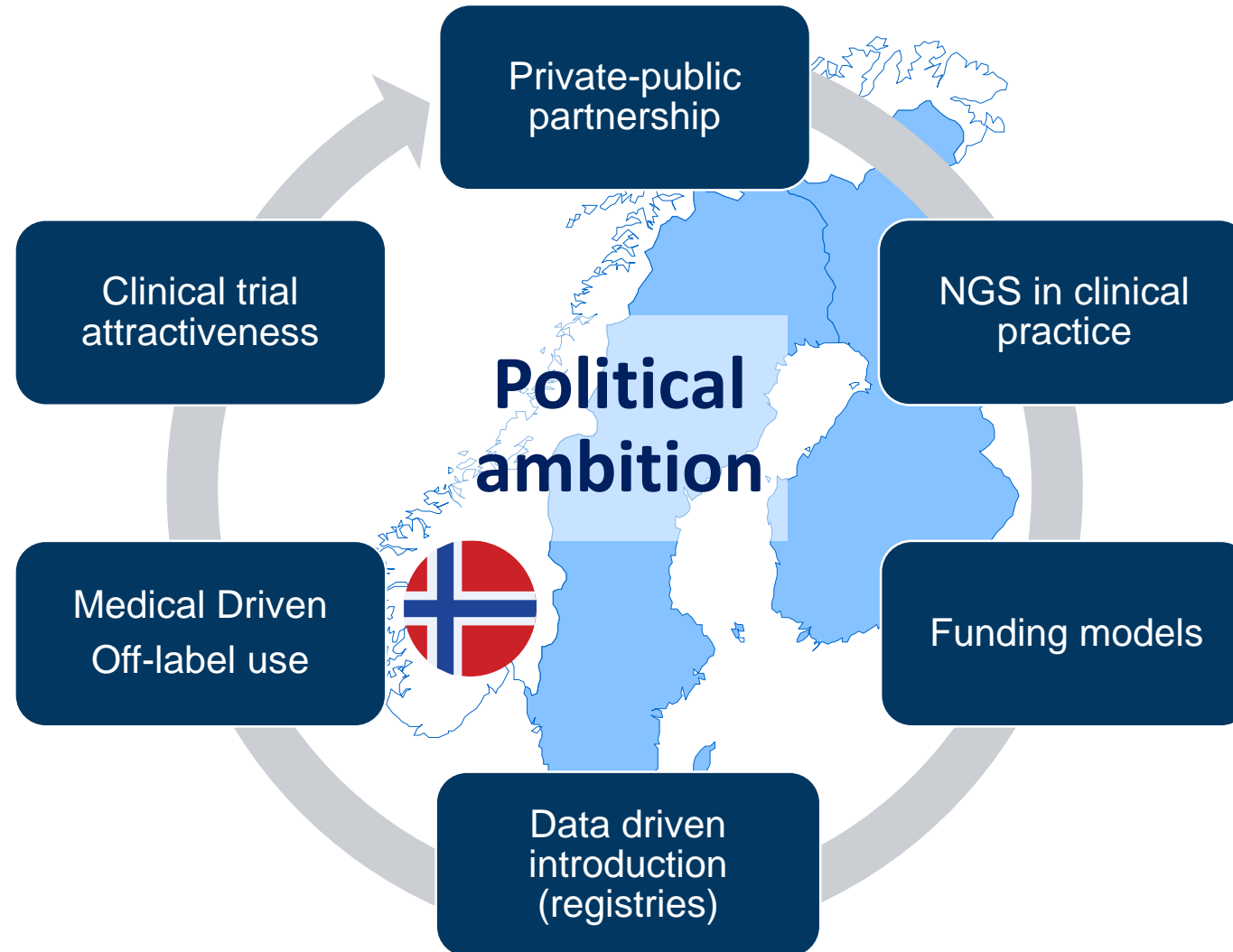




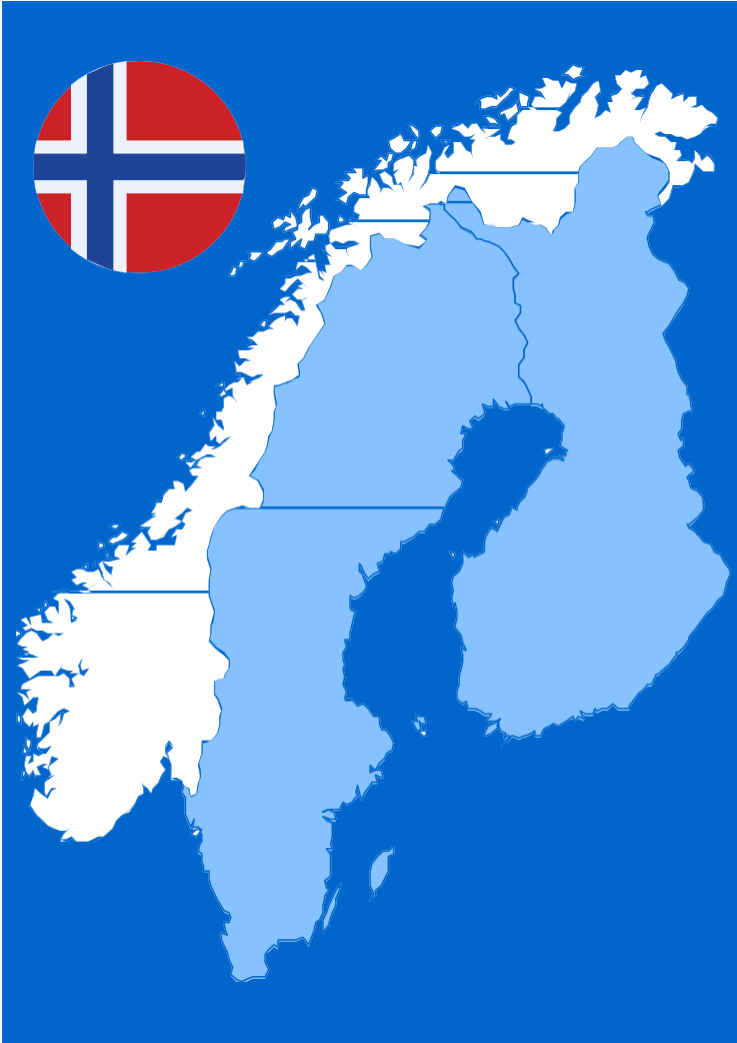
Call for action:

The implementation of
precision medicine
needs novel, national
multistakeholder approaches

Implementing Precision Cancer Medicine in Norway: shared objectives and opportunities for public and private stakeholders



Strategic development of national, interconnected initiatives with public-private cooperation



InPreD Norway:

National infrastructure for precision diagnostics

IMPRESS-Norway:

Improving public cancer care by implementing precision medicine in Norway

INSIGHT / INCLUDE:

Sustainable implementation of precision cancer medicine

CONNECT Public-private partnership:

Norwegian Precision Cancer Medicine Implementation Consortium

MATRIX:

Multimodal Approach Targeting treatment Refractory cancers using neXt generation technologies and trials

National initiatives with public funding for increasing access to precision treatment

Molecular Diagnostics

InPreD

National Testing
Infrastructure for
PCM



Clinical implementation

IMPRESS

National PCM trial



Policies & regulation

INSIGHT

Impact of PCM &
regulatory
framework for
implementation

Data handling



NEED:

- Industry interface for interaction with public initiatives
- Forum including regulators & payors for discussions of policies, reimbursement models and regulatory framework for PCM.

CONNECT as arena for all stakeholders to address key obstacles and pilot novel solutions

Molecular Diagnostics

InPreD

National Testing
Infrastructure for
PCM



Clinical implementation

IMPRESS

National PCM trial



Policies & regulation

INSIGHT

Impact of PCM &
regulatory
framework for
implementation

Data handling



Norwegian Precision Cancer Medicine Implementation Consortium



Driving the implementation of Precision Cancer Medicine

- Address key obstacles and **pilot novel solutions** to transform the current practice.
- **An arena for all stakeholders** for a balanced and informed approach and debate.
- Drive **cross-functional and cross-organizational** initiatives, workshops, and educational formats
- Create a **joint culture** of innovation, partnership and impact
- **Consortium Agreement** signed by all partners

A growing consortium gathering public, public and private partners

CONNECT

AKERSHUS UNIVERSITETSSYKEHUS

HELSE BERGEN
Haukeland universitetssjukehus

HELSE STAVANGER
Stavanger universitetssjukehus

ST. OLAVS HOSPITAL
UNIVERSITETSSYKEHUSET I TRONDHEIM

UNIVERSITETSSYKEHUSET NORD-NORGE
UNIVERSITETSSYKEHUSET I TROMSØ

Oslo
universitetssykehus

FHI
Folkehelseinstituttet

OSLO CANCER
CLUSTER

KREFTFORENINGEN

LMI | Legemiddelindustrien

Roche

Bristol Myers Squibb

NOVARTIS

MERCK

Takeda

AMGEN

AstraZeneca

abbvie

BAYER

PubGene

Pfizer

Orchestrating a brighter world
NEC

Helsedirektoratet

janssen | PHARMACEUTICAL COMPANIES OF
Johnson & Johnson

Lilly

Statens legemiddelverk
Norwegian Medicines Agency



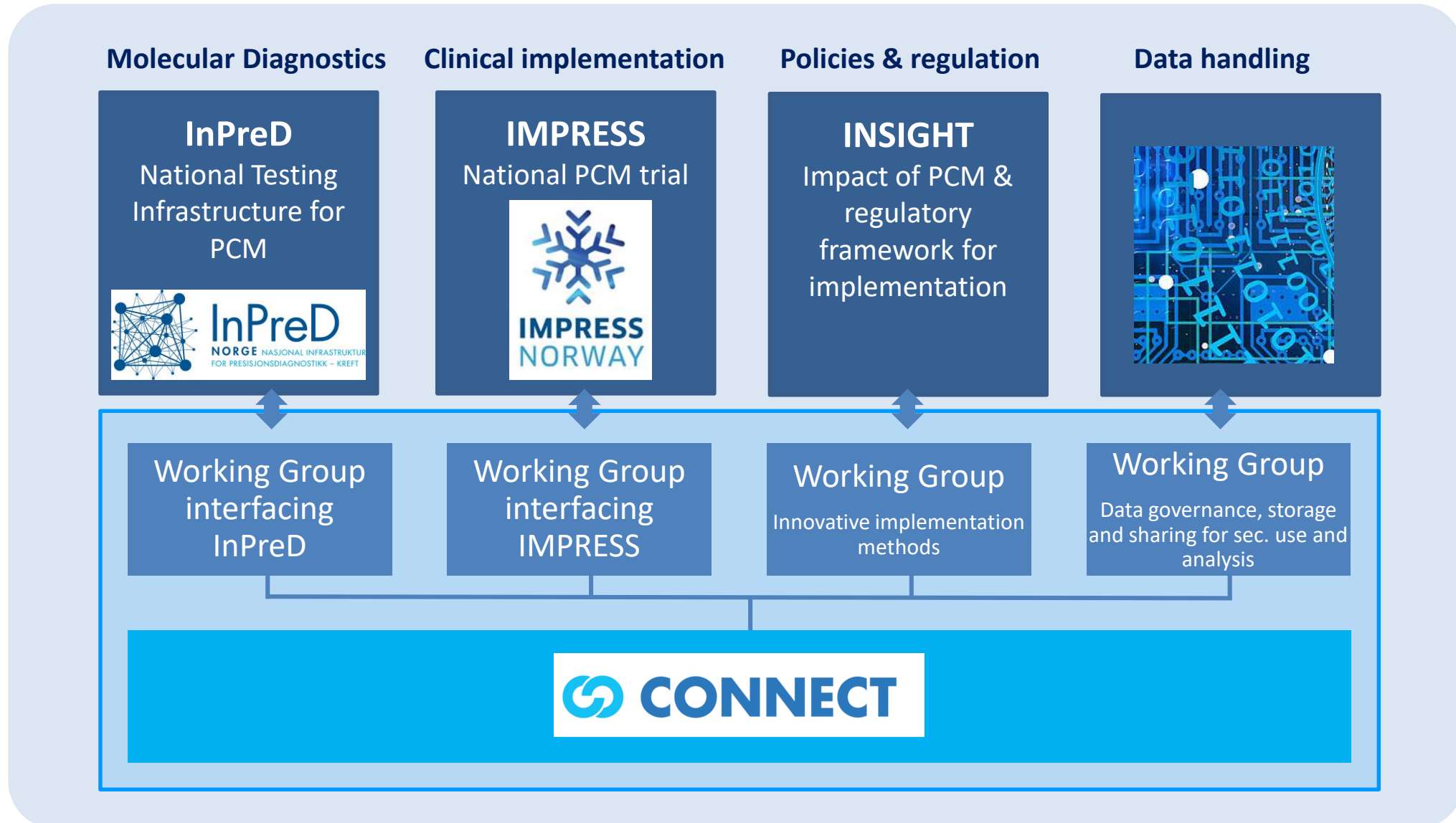
MSD

GSK

GILEAD | Oncology

Direktoratet for
e-helse

Operationalized via Working Groups engaging experts from the public and private sector...



...driving cross-functional and cross-organizational initiatives



Objectives:

- Ensure a structured dialogue, information sharing and planning for **PCM diagnostics implementation** engaging key stakeholders
- Monitor progress and learnings and address identified needs and gaps in **PCM Trials and clinical implementation** building on IMPRESs
- Identify and pilot pathways for **funding and reimbursement** based on new types of evidence and data sets generated in IMPRESs and PCM trials
- Review the planned data collection for InPred and IMPRESS, incl. follow-up data. Give feedback on planned **data collection for expansion cohorts and further PCM implementation.**

WG1

WG2

WG3

WG4


CONNECTing people and expertise

2021 – 2022:

- Monthly Working Group Meetings
- Bi-monthly Steering Committee Meetings
- 25 Educational Seminars and Workshops – national, multistakeholder engagement



[Home | CONNECT \(connectnorway.org\)](https://connectnorway.org)




Home About Partners PCM initiatives News Events Contact

Mon, 19 Sept | Digital event


Clinical Trials Meeting Series: Kick-Off!

Pivotal kliniske studier hvor legemiddelindustri og sponsor Hvordan velges land og undersøkende? Hvilke parametre vurderes? Hvordan tilrettelegges og lykkes med slike studier fra sykehusene sin side?

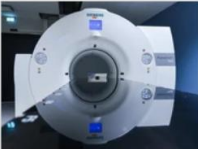
Registration is closed
[See other events](#)




The future of precision cancer medicine
The first national initiatives for precision cancer medicine have successfully taken shape in...




CONNECT seminar on Digital Pathology and AI
Experts from regional, national and international groups shared their perspectives on digital...




CONNECT seminar om Nukleærmedisin
Nukleærmedisin med presisjonsdiagnostikk og personilpasset behandling...



CONNECT Seminar on Clinical Decision Support Systems
Clinical Decision Support Systems: useful for what and for whom? In his introduction, Eivin...



CONNECT seminar: The new EU regulations on IVDR –...
CONNECT seminar: The new EU regulations on IVDR – how to be prepared?



CONNECT at Arendalsuka
Connect had the pleasure of participating at Arendalsuka. Here you can find the debates...

Financing and reimbursement: novel solutions needed for PCM implementation

First expansion cohort in IMPRESS-Norway

The Regional Health Authorities in Norway has recently decided to reimburse patients who are included in the first expansion cohort in IMPRESS-Norway according to the pay-for-performance model described below. IMPRESS-Norway is a precision medicine trial that tests approved drugs on new indications based on genetic changes in the patient's tumor. The study started in April last year, and so far more than 50 patients have been offered treatment (identified in the National Molecular Tumor Board among 250 patients who have undergone extended molecular profiling).

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Public-Public-Private partnership

The opening of the first expansion cohort in IMPRESS is an example of how important public-public-private partnerships are for precision cancer medicine. The topic of expansion cohorts has been discussed in the established partnership for precision medicine called CONNECT, where representatives from the hospitals, the industrial partners and the authorities participate. Through this collaboration all stakeholders collaborate in order to test new models for implementation of precision cancer medicine.

International recognition of national PCM implementation initiative

A national precision cancer medicine implementation initiative for Norway

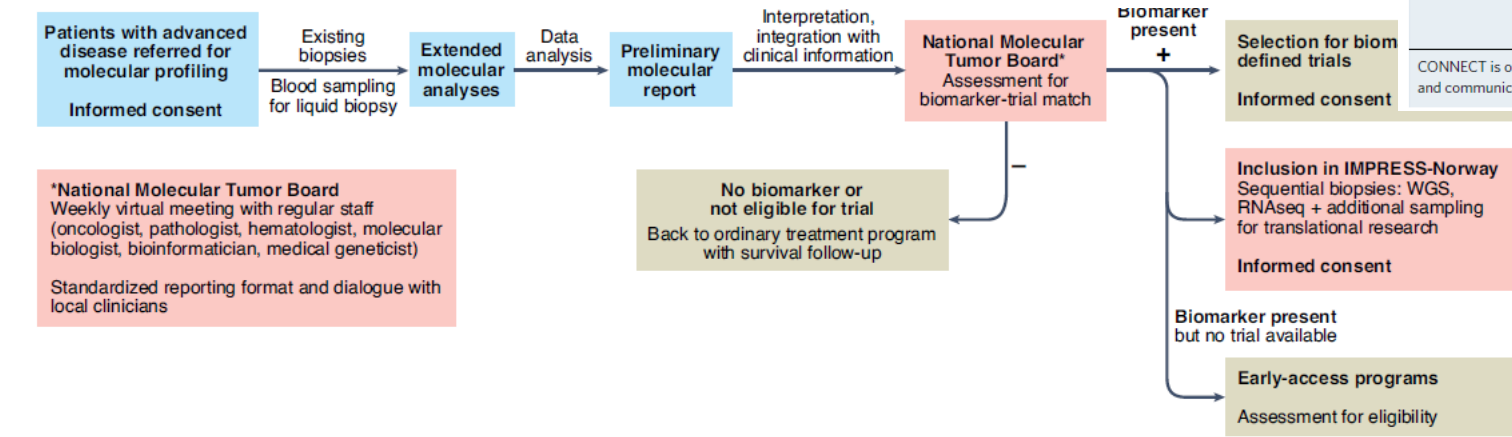


Fig. 1 | InPreD allows the diagnosis and assessment of cancer patients where experimental treatment and clinical trial inclusion is an option. The national Molecular Tumor Board (MTB) is a weekly virtual meeting of a core group of healthcare professionals with broad competencies, including pathology, oncology, hematology, molecular biology and bioinformatics, as well as the referring clinician and others such as trial coordinators and local clinicians and pathologists. RNA-seq, RNA sequencing; WGS, whole-genome sequencing; +, additional treatment option identified; –, no new treatment option identified.

NATURE MEDICINE | www.nature.com/naturemedicine

correspondence

corresponde

Table 1 | CONNECT: a public-private partnership of stakeholders in precision cancer medicine

CONNECT working-groups interfacing

InPreD (WG1)

IMPRESS (WG2)

Innovative implementation

Data governance, storage

correspondence

InPreD national testing infrastructure

IMPRESS-Norway national PCM t

CONNECT Public-Private Partnership Consortium

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CONNECT is operationalized via working group and communications technology; PCM, precision

IMPRESS-Norway Consortium

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“A culture for public-private collaboration is not created through strategic plans, political ambitions or celebratory speeches, but through actions and behaviours that set a new standard.”

Lars Petter Strand, Medical Director, Oncology, Northern European Hub, Lilly

Achievements, effects and learnings so far..



CONNECT established a new model for public-public-private collaboration



Formal partnership enabled broad interaction, dialogue and collaboration



Increased expertise in and understanding of PCM across stakeholders



Changed the culture towards more trust, respect and partnership among organizations



Health economy and road to reimbursement a necessary aspect



Different needs, positions, policy and politics at multiple levels – difficult to navigate



Need to secure ownership, engagement and impact – joint goals & opportunities



Increased international recognition of Norwegian PCM Efforts

..and to build on in “CONNECT 2.0”